

# 2019 School Library Partner Manual





# School Library Partner Manual

## Contents

Summer Reading at New York Libraries: An Introduction .....	3
2019 Summer Reading .....	4
Summer Reading and Your School Library .....	5
Collaborate with your local public library! .....	5
Promote summer reading at your school by working with faculty, students, and families .....	5
Summer Reading Websites, Resources, Information, and Materials...	7
General Summer Reading Resources .....	8
Information and Research.....	8
Promotional Materials .....	8
Educators Flyer .....	9
Parents Flyer (Side 1) .....	10
Parents Flyer (Side 2).....	11
Parents of Young Children Flyer .....	12
Teen Video Challenge Flyer .....	13
Teen NY Flyer .....	14
Great Resources for Children.....	15
Take Me To Your Reader .....	15
Shoot for the Moon .....	22
To the Library and Beyond .....	26
Trekking Across Our Universe .....	30
A Sky Full of Stories .....	36
Great Resources for Teens .....	42
Take Me To Your Reader .....	42
Shoot for the Moon .....	49
To the Library and Beyond .....	56
Trekking Across Our Universe .....	65
A Sky Full of Stories .....	72
Appendix A: Summer Reading and the New York State Learning Standards .....	83
Appendix B: New York State Public Library Systems .....	84
Appendix C: Youth Services Contacts.....	85

*Summer Reading at New York Libraries is a program of the Office of Cultural Education in the New York State Education Department and is funded through the Federal Library Services and Technology Act, with funds awarded to the New York State Library by the Federal Institute of Museum and Library Services.*



## **Summer Reading at New York Libraries: An Introduction**

*Summer Reading at New York Libraries* is an annual program that brings children and families into local public libraries for reading and activities. In 2018, 2.4 million New York children, birth to 18 years, participated in the State Library-sponsored program.

The State Library coordinates the program and works with the 23 public library systems (see Appendixes B and C) throughout the state providing a summer reading theme, promotional materials, a creative idea manual, and state-level support. Materials are created as part of the national Collaborative Summer Library Program (CSLP).



### **Goals**

- Advance literacy and academic performance by engaging children and teens in reading and reading-related activities during the summer months.
- Foster a love of reading through public library programs and services.
- Increase successful reading experiences through librarian-supported, self-selected, voluntary reading.
- Involve parents and all family members in the library summer reading experience.
- Improve children's access to library materials and activities, which will encourage them to become lifelong library users.
- Increase the number of children and teens participating in public library summer reading programs.

# 2019 Summer Reading



## *Activities for all at the local public library*

**Events and Activities** - Performances, craft programs, story times, computer workshops, and author/illustrator visits are some of the programs offered by public libraries during the summer. Encourage your students to check with their local libraries all summer long for reading materials as well as special programs and activities geared towards a variety of interests and age levels.

**Early Literacy** - Many public libraries offer a Read-to-Me program for preschoolers, which introduces the summer reading concept to young children. A parent or caregiver reads aloud to the child and keeps a record of their shared reading. Through the *Ready to Read at New York Libraries* program, library staff are trained in providing services and resources to parents and caregivers of young children. Public libraries are connecting with schools, childcare centers, doctors' offices, and other organizations to reach all families with young children in their communities.

**Independent Readers** - Children read on their own, report what they've read to the librarian or record the information for the librarian and receive a reward or certificate at the end of the program.

**Families** - Children join the summer reading program alone or participate with their families. Family participation encourages reluctant readers who may be more willing to join with a family reading partner. It also encourages visits to the public library as a family activity.

**Teens** - Many young people stop using libraries when they reach the teen years. A summer program designed with teen interests in mind keeps them involved in the public library. Teens are given the opportunity to take charge of their own library program. This ownership translates into pride in the program and has a direct influence on teen library usage.

Participation in the Teen Video Challenge encourages teens to use their own ideas to promote summer reading and libraries to their fellow teens. For more information visit:

<http://www.summerreadingnys.org/teens/teens-video-challenge/>.

# Summer Reading and Your School Library

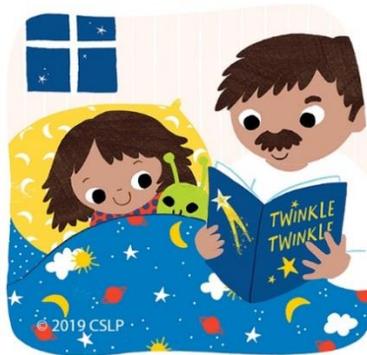
## ***Collaborate with your local public library!***

- The public library can share the Cooperative Summer Library Program (CSLP) programming manual, official artwork, and materials for *Summer Reading at New York Libraries*.
- Contact your local public library and/or public library system to obtain a catalogue to purchase CSLP 2019 summer reading promotional materials or visit <http://shopcslp.com/cslp>.
- Invite your public librarian for a school visit or have your class visit the local public library.
- Meet with the local public library to discuss the best ways to work together to support the summer reading program at the public library.
- Work with the local public library to teach students how to check out e-books from their public library.
- Volunteer to offer a program during the summer at the public library that highlights your expertise. This could be a book discussion group, information on the New York State Learning Standards, or a program to link the summer with the school year ahead.
- Encourage children to participate in the State Assembly and/or State Senate Summer Reading Challenge and use the public library for materials.
- Visit the <http://www.nysl.nysed.gov/libdev/summer> for *Explore NY* reading lists and reproducible flyers and fact sheets that promote summer reading. Some flyers are also available in this manual.
- Visit <http://www.summerreadingnys.org> for information about the 2019 Teen Video Challenge, reading related activities, information for educators, families, and children, and materials and information provided by our statewide partners: 4-H, NY Council for the Humanities, Hunger Solutions, etc.
- Please visit <http://www.nysl.nysed.gov/libdev/youthsvs/links.htm#yspages> for information on youth services and programs in your area of the state. Public library youth services experts at each system will be happy to help connect you with your local public library and its summer reading program.
- For a map of the 23 Public library Systems please see Appendix B.
- For a list of Youth Services contacts for each library system please see Appendix C.

## ***Promote summer reading at your school by working with faculty, students, and families***

- Create lessons inspired by the summer reading slogan “A Universe of Stories.”
- Promote the Summer Reading Program theme of space and science by working with faculty throughout the school.

- Share the *Explore New York* recreational book lists with teachers and students. Books cover the diversity of New York State and include fiction, nonfiction, and informational books that can be found at <http://www.nysl.nysed.gov/libdev/summer/explore.htm>.
- Form book discussion groups.
- Have children and teens write book reviews to keep in a binder for others to use.
- Hold a parent workshop that informs caregivers about the importance of summer reading and how this links with the New York State Learning standards. Invite the public librarian to present about public library summer offering. For more information visit [http://www.nysl.nysed.gov/libdev/summer/16sr\\_learning\\_standards.pdf](http://www.nysl.nysed.gov/libdev/summer/16sr_learning_standards.pdf).
- Give book talks on self-improvement, DIY, and construction related to the slogan “A Universe of Stories.” For tips visit <http://www.nancykeane.com/booktalks/tips.htm>.
- Share ideas about reading over summer vacation on your school library website.
- Work with your school administration to encourage participation in the State Senate and State Assembly summer reading programs. Both houses of the legislature are encouraging participation in *Summer Reading at New York Libraries* for reading enjoyment and reading skills retention during the summer months.
- Have a student library group develop reading lists of resources from the school library’s collection that relate to the slogan “A Universe of Stories” and distribute it.



# Summer Reading Websites, Resources, Information, and Materials



[www.summerreadingnys.org](http://www.summerreadingnys.org) – The official *Summer Reading at New York Libraries* website offers lots of free reading activities, games, links, and suggested reading lists.

- News about the Summer Reading Program available under the “Summer Reading News” tab.

[www.nysl.nysed.gov/libdev/summer](http://www.nysl.nysed.gov/libdev/summer) – This New York State Library web page contains information and links for librarians, educators, and other professionals on summer reading, summer reading research, and the *Summer Reading at New York Libraries* program.

- There are lots of flyers, posters, and brochures available through the “Downloadable Materials” link.
- The “Explore New York” link offers four reading lists of books and downloadable bookmarks, all focused on New York State.
- “The Importance of Summer Reading” research brief with an annotated bibliography is available through the “Importance of Summer Reading” link.

[www.performersandprograms.com](http://www.performersandprograms.com) – The Performers and Programs site includes a listing of performers and the programs they offer for libraries, schools, and other organizations serving children.

[www.facebook.com/TeenNewYork](https://www.facebook.com/TeenNewYork) – The Teen NY Facebook page includes information and resources for teens, librarians and others working with teens. Please visit Teen NY and “like” us.

[www.engageny.org](http://www.engageny.org) - The New York State Education Department (NYSED) website that supports the New York State P-12 Learning Standards and other key aspects of the New York State Board of Regents Reform Agenda.

# General Summer Reading Resources

## *Information and Research*

### **“Importance of Summer Reading”**

A research brief to share with parents, administrators, and teachers. The Importance of Summer Reading: Public Library Summer Reading Programs and Learning - <http://www.nysl.nysed.gov/libdev/summer/research.htm>.

### **“Summer Reading and the New York State Learning Standards”**

A description of ways that Summer Reading and the New York State Learning Standards align. This document is available in Appendix A of this manual and online at [http://www.nysl.nysed.gov/libdev/summer/16sr\\_learning\\_standards.htm](http://www.nysl.nysed.gov/libdev/summer/16sr_learning_standards.htm)



## ***Promotional Materials***

Following is a series of flyers to promote *Summer Reading at New York Libraries*, all of which may also be found and downloaded at <http://www.nysl.nysed.gov/libdev/summer/facts.htm>. Located on the same website are additional promotional materials including bookmarks and 8.5”x11” summer reading posters. There are also translations of the Parents Flyer and the Parents of Young Children Flyer, titled “10 Easy Ways to Get Children to Read This Summer” and “Easy Ways to Grow a Great Reader” respectively, into nine languages besides English, including Chinese and Spanish.

## Educators Flyer



### **Educators: Help your students improve skills through reading during the summer months.**

*"The Board of Regents and I encourage students across New York to participate in summer reading programs at their local public libraries. The Summer Reading at New York Libraries program, supported by the State Library in conjunction with our partners in the State Assembly and Senate, is an excellent resource for students.*

*Summer reading programs put books in the hands of children and helps students build reading skills, prevent summer learning loss, and prepare for a successful school year."*

-- Commissioner of the New York State Education Department MaryEllen Elia

### **10 Ideas to Get Students Reading this Summer**

1. Encourage your students to get a library card at their local public library. It's free!
2. Show your class a beach bag of books that you plan to read during summer vacation.
3. Have students start a list of books they'd like to read during the summer.
4. In your classroom post a list of favorite books. Encourage students and parents to add their favorites.
5. Invite a public librarian to your class to introduce this year's summer reading program and slogan: "A Universe of Stories" for children and teens.
6. Collaborate with your school librarian to use books and other resources in your classroom to explore the idea of improving the community, the environment, and the world as part of the "A Universe of Stories" summer reading theme.
7. Invite local community members from different professions and organizations to your class as part of the "A Universe of Stories" summer reading theme.
8. Collaborate with the local public library to insure your students get the best possible summer reading experience.
9. Encourage your students to share their summer reading experiences when they return to school in the fall.
10. If your legislator offers a summer reading program, your students can join that and visit their local library to get the perks from both.



For information and educational activities check out *Summer Reading at New York Libraries* websites:

[www.nysl.nysed.gov/libdev/summer](http://www.nysl.nysed.gov/libdev/summer)

[www.summerreadingnys.org](http://www.summerreadingnys.org)

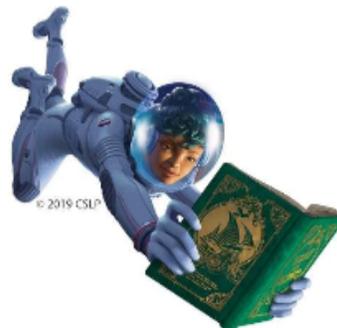
*Summer Reading at New York Libraries is a program of the Office of Cultural Education in the New York State Education Department and is funded through the Federal Library Services and Technology Act, with funds awarded to the New York State Library by the Federal Institute of Museum and Library Services.*



## 10 Easy Ways to Get Children to Read this Summer

*Children who read do better in school—so make sure your child is a reader!*

1. Get your child a library card at your local public library. It's free!
2. Sign your child up for Summer Reading at the local public library and enjoy free programs with fun activities, storytelling, reading contests, crafts and more.
3. Read with your child every day. Take advantage of "waiting" time to share books: on trips, at the doctor's office, in line at the grocery store.
4. Take a basket of books for reading breaks from the sun, water, and sand at the beach, lake, or pool.
5. Read on your own and talk to your child about what you're reading. Families who share reading experiences raise children who read well.
6. Visit the library every week and bring the whole family.
7. Need books in languages other than English? Ask a librarian!
8. Use the closed captioning during TV shows so children see the words as they hear them.
9. Keep a list on the refrigerator of the books everyone has read during the summer.
10. Discover the world by reading books from your local public library. Choose a subject of interest for the entire family, so that every family member can share what they have learned and share ideas.



For more information visit

[www.summerreadingnys.org](http://www.summerreadingnys.org)



*Summer Reading at New York Libraries is a program of the Office of Cultural Education in the New York State Education Department and is funded through the Federal Library Services and Technology Act, with funds awarded to the New York State Library by the Federal Institute of Museum and Library Services.*



## Parents: Help your kids succeed in school!



2019 Summer Reading Slogan - "A Universe of Stories" - © CSLP

### 2019 Summer Reading at New York Libraries

When children read what they enjoy, they learn to love reading and become better readers. The free summer programs at your public library will help your child keep reading and have fun all summer long.

#### For more information

- Talk to your local public librarian about their Summer Reading Program
- Need books in languages other than English? Ask the librarian!
- Visit [www.summerreadingnys.org](http://www.summerreadingnys.org) for resources and summer reading news.
- Speak with your child's school librarian about local summer reading programs



*Summer Reading at New York Libraries is a program of the Office of Cultural Education in the New York State Education Department and is funded through the Federal Library Services and Technology Act, with funds awarded to the New York State Library by the Federal Institute of Museum and Library Services*



## **Easy Ways to Grow a Great Reader**

*Get your child ready to read and to succeed in the school years ahead!*

- Read to your child and point out words and pictures. You are your child's first teacher.
- Visit the library every week with the whole family. Everyone gets to pick out their own books.
- Get a library card at your local public library. It's free!
- Sign your child up for Summer Reading at the local public library and enjoy free programs with fun activities, storytelling, crafts and more.
- When your child watches TV, join in and turn on the closed captioning so children see the words as they hear them.
- Talk together and tell stories with your child while cooking dinner, traveling, or shopping. Your child will learn lots of new words and ideas.
- Sing to your child while getting ready for the day or for bed.
- Encourage your child to set up a play library, restaurant, museum or school, complete with books, menus, maps, crayons. Children learn best through play!
- Write lists with your child - grocery lists, birthday present wish lists, or lists of your favorite books.
- Bring a basket of books for reading breaks from the sun, water, sand and all outdoor activities.
- Keep a list on the refrigerator of the books read to your child all year long.
- Read together at bedtime every night!



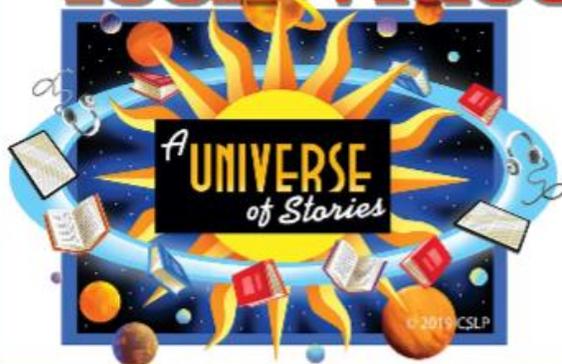
**For more information talk to the librarian at your public library and visit**

**[www.summerreadingnys.org](http://www.summerreadingnys.org)**



*Summer Reading at New York Libraries is a program of the Office of Cultural Education in the New York State Education Department and is funded through the Federal Library Services and Technology Act, with funds awarded to the New York State Library by the Federal Institute of Museum and Library Services.*

# Ask your librarian about the Summer Reading 2019 Teen Video Challenge



## Create a Summer Reading Video!

- Get national exposure! Winning videos will be posted to the CSLP website and viewed across the country.
- Open to all New York State teens, aged 13-18.
- Include your interpretation of the 2019 CSLP slogan “A Universe of Stories” for the 2019 Summer Reading Program.
- Promote libraries and the fun of Summer Reading activities.
- Each of the 5 winning teens/teen teams will receive a \$200 cash prize and the winners’ local libraries will each receive a \$50 gift certificate from Upstart.

**Submissions  
accepted  
from June 1  
to August 2  
2019!**



For more information and entry forms, visit:  
[www.summerreadingnys.org](http://www.summerreadingnys.org)  
or ask your public librarian.



collaborative  
summer library program



Summer  
Reading

AT NEW YORK LIBRARIES

Summer Reading at New York Libraries is a program of the Office of Cultural Education in the New York State Education Department and is funded through the Federal Library Services and Technology Act, with funds awarded to the New York State Library by the Federal Institute of Museum and Library Services.

## Teen NY Flyer



Teen NY provides teen-related programs, news, and resources across New York State @ <http://www.summerreadingnys.org/teens/>

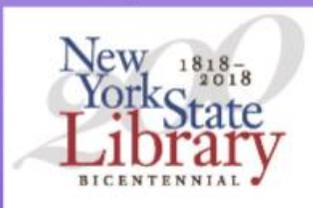
**Teen Video Challenge:** Showoff your acting and video-making skills by creating a PSA-style video to promote Summer Reading and Summer Learning at your public library. The winners will receive a \$200 cash prize and the represented public library will receive a gift certificate from Upstart/DEMCO.

**Book Lists – Great Reads:** Want to know what books are available for teens and young adults? Check out our extensive list of book reads and reviews from our “Explore New York: Teen and Up” list or our “More Booklists” category to find even more reading options!

**Crafts & Activities:** Take a look at our fun crafts and activity ideas page to explore your creative side!

**Writing, Books and More:** Discover our wide-range of writing sources to help you get started creating your own unique story!

**Make a Difference:** Looking to fight for a cause? Want to make changes for the better? We offer many resources for teens who are looking to volunteer and make a difference in their community!



Teen NY is a year-round resource developed through Summer Reading at New York Libraries as part of the Office of Cultural Education in the New York State Education Department. Summer Reading at New York State Libraries is funded through the Federal Library Services and Technology Act, with funds awarded to the New York State Library by the Federal Institute of Museum and Library Services.

Download our TeenNY Flyer @ <http://www.nysl.nysed.gov/libdev/summer/facts.htm>



Like us on  
Facebook

[http://www.facebook.com/  
TeenNewYork](http://www.facebook.com/TeenNewYork)

# Great Resources for Children

The following resource lists were created by the Collaborative Summer Library Program (CSLP) for use in support of the 2019 Summer Reading Program at public libraries.

- \* Resource that includes diversity
- + Books provided in alternative formats from the National Library Service for the Blind and Physically Handicapped (NLS)
- ^ Movies/DVDs available with an audio description feature

## ***Take Me To Your Reader***



## **Books**

\*Acker, Ben, and Ben Blacker. *Star Wars: Join the Resistance*. Illustrated by Annie Wu. Disney Lucasfilms Press, 2017. 224 p. (978-1484704844). Mattis Banz knows he's meant to be a hero, but the rest of his squadron doesn't seem very promising. They'll have to learn to work together if they hope to thwart the First Order and fulfill their destiny.

Akiyama, Lance. *Duct Tape Engineer: The Book of Big, Bigger, and Epic Duct Tape Projects*. Rockport, 2017. 160 p. (978-1631591303, pap.). Learn to design, sculpt, and build three-dimensional objects from duct tape.

+Angleberger, Tom. Origami Yoda series. Multiple titles. Amulet Books, 2010–2016. 160–240 p. ISBNs vary, pap. A doodle-filled middle-grade series that includes origami figure instructions, too. BR19478, DB74732, DB74739

\*Becker, Shelly. *Even Superheroes Have Bad Days*. Illustrated by Eda Kaban. Sterling Children's Books, 2016. 40 p. (978-1454913948). Learn the many ways superheroes resist the super-temptation to cause a scene when they're sad, mad, frustrated, lonely, or afraid.

Bernhardt, Carolyn. *Duct Tape Costumes*. Lerner, 2017. 32 p. (978-1512426670). Step-by-step guides will have you creating your own duct tape crowns, wings, and more, in no time!

Blackwood, Sage. *Miss Ellicott's School for the Magically Minded*. Katherine Tegan Books, 2017. 368 p. (978-0062402639). Chantel enlists her friends to protect the kingdom when her teacher goes missing, along with the city's protective magic.

Blum, Nicole, and Catherine Newman. *Stitch Camp: 18 Crafty Projects for Kids and Tweens*. Storey, 2017. 208 p. (978-1612127507, pap.). This modern guide teaches today's tweens the fun, creative pleasure in knowing how to sew, knit, crochet, embroider, weave, and felt.

+Bracken, Alexandra. *Star Wars: A New Hope: The Princess, the Scoundrel, and the Farm Boy*. Disney Lucasfilm, 2015. 336 p. (978-1484709122). Although the Rebel Alliance has won a few battles against the Empire, hope is fading. The Rebels' only chance lies in unlikely hands. DB83213

\*Brezonoff, Steven. *The Outlaw from Outer Space: An Interactive Mystery Adventure*. Illustrated by Marcos Calo. Stone Arch Books, 2017. 112 p. (978-1496526489, pap.). The science club members are on a guided tour of Greater River City Air Force Base, and it is up to the reader to choose how their alien-hunting adventure unfolds.

Brooks, Max. *Minecraft: The Island*. Del Rey Books, 2017. 288 p. (978-0399181771). The story of a new hero stranded in the world of Minecraft, who must survive a harsh environment while unraveling the secrets of a mysterious island.

Brown, Jeffrey. *Goodnight Darth Vader*. Chronicle Books, 2014. 64 p. (978-1452128306). Darth Vader may rule the galaxy, but that doesn't mean he can get his twins to go to sleep.

Brown, Jeffrey. *Star Wars: Jedi Academy*. Scholastic, 2013. 160 p. (978-0545505178). This book captures all the humor, awkwardness, fun, and frustrations of middle school, told through one boy's comics, journal entries, letters, doodles, and newspaper clippings.

Buoncristiano, Scott. *Harry Potter: Magical Film Projections: Patronus Charm*. Candlewick, 2017. 16 p. (978-0763695866). Using black line illustrations on framed acetate pages, this book allows fans to project their favorite scenes with a flashlight.

Burton, Bonnie. *The Star Wars Craft Book*. Del Rey/Ballantine Books, 2011. 176 p. (978-0345511164, pap.). Fans of all ages and skill levels can bring the best of the galaxy far, far away right into their home.

\*Camper, Cathy. *Lowriders in Space*. Chronicle Books, 2014. 112 p. (978-1452128696, pap.). Lupe, Flapjack, and Elirio customize their car for the Universal Car Competition to win the cash prize that will enable them to buy their own garage.

\*Cannon, Nick. *Neon Aliens Ate My Homework: And Other Poems*. Scholastic, 2015. 144 p. (978-0545722810). This poetry collection combines the worlds of poetry and hip-hop, paying further respect to urban storytelling with illustrations by incredible street artists.

\*+Clark, Henry. *What We Found in the Sofa and How It Saved the World*. Little, Brown Books for Young Readers, 2014. 384 p. (978-0316206655, pap.). Finding a rare zucchini-colored crayon leads a 12-year-old and his friends on an adventure to save Earth from invading interstellar storm troopers. DB77116

Conahan, Gillian. *The Hero's Closet: Sewing for Cosplay and Costuming*. Abrams, 2017. 208 p. (978-1419723964). Detailed instructions cover the basics of sewing costumes (which often requires skills not found in standard sewing guides) to help even those brand-new to sewing.

+Cowell, Cressida. *The Wizards of Once*. Little, Brown Books for Young Readers, 2017. 400 p. (978-0316508339). A wizard prince with no magic and an outcast warrior princess team up on an adventure. DB90214 (in process)

\*Dahl, Michael. *Sweet Dreams, Supergirl*. Illustrated by Omar Lonzano. Capstone Young Readers, 2018. 32 p. (978-1623709983). As darkness falls, a young girl attempts to catch some sleep while Supergirl tracks down an enemy.

+Davis, Robin. *The Star Wars Cookbook: Wookiee Cookies and Other Galactic Recipes*. Chronicle Books, 1998. 60 p. (978-0811821841). This intergalactic cookbook features healthy snacks, delicious dishes, sweet treats, and easy-to-use recipes that will entice even the pickiest eaters. BR12243

Daywalt, Drew. *BB-8 on the Run*. Illustrated by Matt Myers. Disney Lucasfilms, 2017. 40 p. (978-

1484705087). When BB-8 is separated from his master on the lonely desert planet of Jakku, it's all up to him to get a top-secret map back to the Resistance.

Dipiazza, Francesca Davis. *Fandom: Fic Writers, Vidders, Gamers, Artists, and Cosplayers*. Illustrated by Shauna Lynn Panczyszyn. Twenty-First Century Books, 2018. 120 p. (978-1512450491, lib. bdg.). Take a look at how some fans turn passion into their own creative expression.

DiTerlizzi, Tony. *Star Wars: The Adventures of Luke Skywalker, Jedi Knight*. Illustrated by Ralph McQuarrie. Disney Lucasfilm, 2014. 64 p. (978-1484706688). This picture book of the classic tale of good and evil, set in a far-off galaxy, contains art by the conceptual designer behind the original trilogy.

Duffield, Katy. *Aliens Get the Sniffles Too! Ahhh-Choo!* Illustrated by K.G. Campbell. Candlewick, 2017. 32 p. (978-0763665029). Laughter is the best medicine for a little alien who's feeling under the weather.

Felix, Rebecca. *Cool Doughs, Putties, Slimes, and Goops: Crafting Creative Toys and Amazing Games*. Checkerboard, 2016. 32 p. (978-1680780499, lib. bdg.). This title has everything needed to create one-of-a-kind toys.

\*Fentiman, David. *Star Wars: Finn's Mission*. DK, 2016. 64 p. (978-1465451019, pap.). Follow the adventures of a former stormtrooper as he gets caught up in the battle to save the galaxy.

Fontichiaro, Kristin. *Designing Board Games*. Cherry Lake, 2017. 24 p. (978-1634723206, pap.). Through simple text written to foster creativity and problem solving, students will learn the art of innovation.

Freedman, Claire, and Ben Cort. *Aliens Love Underpants*. Simon & Schuster, 2017. 32 p. (978-1471161490). Aliens come to Earth, not to meet the Earthlings, but to steal their underpants.

Fry, Michael. *How to Be a Supervillain*. Jimmy Patterson, 2018. 336 p. (978-0316318709, pap.). Victor Spoil comes from a long line of famous supervillains, and he's fully expected to join their ranks one day, but Victor doesn't have a single bad-guy bone in his body.

Garbot, Dave. *Space Aliens: Learn to Draw More Than 20 Out-of-This-World Characters*. Walter Foster Library, 2015. 64 p. (978-1633220621, pap.). Children will love creating unearthly characters, as well as learning how to develop and draw their own original cartoons.

\*Garza, Cynthia Leonor. *Lucia the Luchadora*. Illustrated by Alyssa Bermudez. POW!, 2017. 32 p. (978-1576878279). Lucia comes from a family of *luchadoras*, the bold and valiant women of the Mexican *lucha libre* tradition.

\*Geeslin, Campbell. *Elena's Serenade*. Illustrated by Ana Juan. Atheneum Books, 2004. 40 p. (978-0689849084). This original Mexican tale about a girl who wants to learn the trade of glassblowing is sprinkled with Spanish words.

\*Glass, Calliope. *Avengers: Ms. Marvel's Fists of Fury*. Marvel Comics, 2017. 128 p. (978-1484781463, pap.). In this chapter book, Ms. Marvel uncovers the creepy truth behind an army of annoying feathered foes and rediscovers her inner warrior.

Good, Kristie. *Epic Cosplay Costumes: A Step-by-Step Guide to Making and Sewing Your Own Costume Designs*. Fons & Porter, 2016. 144 p. (978-1440245770, pap.). Presented in a kitschy, comic-book style, wonderful illustrations combine with how-to information to create original cosplay designs.

+Grabenstein, Chris. *Escape from Mr. Lemoncello's Library*. Yearling, 2014. 336 p. (978-0307931474, pap.). Twelve kids are invited to a sleepover at the new library, but they must solve every clue and puzzle to find the hidden escape route. DB77918

Gravett, Emily. *Spells*. Macmillan Children's Books, 2009. 32 p. (978-0230531369, pap.). The hilarious misadventures of a small green frog who just wants to kiss a princess.

Hamilton, Sian. *Now I Can Sew: 20 Hand-Sewn Projects for Kids to Make*. GMC, 2016. 128 p. (978-1784941161, pap.). Kids will quickly learn basic running, back, and blanket stitches, with information on tools, materials, and techniques.

Hawbaker, Emily. *Energy Lab for Kids: 40 Exciting Experiments to Explore, Create, Harness, and*

***Unleash Energy.*** Quarry, 2017. 144 p. (978-1631592508, pap.). Challenging experiments and guided discussions help kids understand energy.

Jeffers, Oliver. ***The Way Back Home.*** Philomel, 2008. 32 p. (978-0399250743). Stranded on the moon after his extraordinary airplane took him into outer space, a boy meets a marooned Martian and the friends work together to return home.

\*+Kelly, Erin Entrada. ***Hello, Universe.*** Illustrated by Isabel Roxas. Greenwillow Books, 2018. 336 p. (978-0062414168, pap.). The lives of four misfits are intertwined when a bully's prank lands a shy boy and his guinea pig at the bottom of a well. DB88222, BR in production

Kenney, Karen. ***Mysterious UFOs and Aliens.*** LernerClassroom, 2017. 32 p. (978-1512456066, pap.). Bright flashes of light in the sky and mysterious crop circles have both been attributed to UFOs and aliens from outer space.

\*Keppeler, Jill. ***The Inventors of Minecraft: Markus "Notch" Persson and His Coding Team.*** PowerKids, 2017. 32 p. (978-1508160625, pap.). In 2009, a deceptively simple block-based sandbox game first began appearing on computers. How did this worldwide phenomenon come to be?

Kroski, Ellyssa. ***Cosplay in Libraries: How to Embrace Costume Play in Your Library.*** Rowman & Littlefield, 2015. 168 p. (978-1442256484, pap.). Libraries on the leading edge embrace cosplay, comics, anime, and geek culture by integrating them into programming and events.

Kudo, Maki. ***The Pokemon Cookbook: Easy and Fun Recipes.*** Viz Media, 2016. 80 p. (978-1421589893). Create dishes that look like Pokemon characters.

Loh-Hagan, Virginia. ***Board Game Tournament.*** 45th Parallel, 2017. 32 p. (978-1534100602, pap.). Easy-to-follow lists and information guides aid students who wish to set up their own board game tournament.

\*+MacHale, D.J. ***Project Alpha.*** Random House Books for Young Readers, 2015. 224 p. (978-0385386609). Eight boys and girls compete for a spot on the space voyage that will search for a solution to Earth's energy crisis. DB84169

Mass, Wendy. ***Pi in the Sky.*** Little, Brown Books for Young Readers, 2014. 272 p. (978-0316089173, pap.). The seventh son of the Supreme Overlord of the Universe teams up with a human girl to recreate Earth when the planet is accidentally erased from existence.

McCarthy, Meghan. ***Aliens Are Coming! The True Account of the 1938 War of the Worlds Radio Broadcast.*** Dragonfly, 2009. 40 p. (978-0385736787, pap.). The true story of the performance by Orson Welles and the Mercury Theater that duped much of the country into believing Martians had invaded.

McCollum, Sean. ***Handbook to UFOs, Crop Circles, and Alien Encounters.*** Raintree, 2016. 32 p. (978-1474724067, pap.). The idea that aliens might visit our planet has gripped Earthlings for a long time. Are we alone in the galaxy?

McGee, Joe. ***Peanut Butter & Aliens: A Zombie Culinary Tale.*** Abrams Books for Young Readers, 2017. 32 p. (978-1419725302). Quirkville is a quiet town where people and zombies live in peace until aliens arrive in the out-of-this-world sequel to *Peanut Butter & Brains*.

\*Miller, Jeff. ***Close Encounters of the Nerd Kind.*** HarperCollins, 2015. 288 p. (978-0062272669, pap.). In the sequel to *The Nerdy Dozen*, the dorky gamers are once again called on to fly a top-secret mission: one that is literally out of this world.

Nesworthy, Lauren. ***Star Wars Rebels: Darth Vader, Rebel Hunter!*** DK, 2016. 48 p. (978-1465452122, pap.). Learn about one of the most terrifying figures in the Empire.

Pansino, Rosanna. ***The Nerdy Nummies Cookbook: Sweet Treats for the Geek in All of Us.*** Atria, 2015. 256 p. (978-1501104015). Combining baking and geek culture, this recipe book was written by a YouTube celebrity.

+Pflugfelder, Bob, and Steve Hockensmith. ***Nick and Tesla's High-Voltage Danger Lab: A Mystery with Electromagnets, Burglar Alarms, and Other Gadgets You Can Build Yourself.*** Quirk, 2013. 240 p. (978-1594746482). After moving in with their eccentric uncle, Nick and Tesla encounter strange

occurrences in their new neighborhood and build gadgets to help solve the mysteries. DB80750

\*Polinsky, Paige V. *Pokemon Designer: Satoshi Tajiri*. Checkerboard Library, 2017. 32 p. (978-1532110979, lib. bdg.). Introduces the life and career of the man who created Pokemon.

\*Preller, James. *Jigsaw Jones: The Case from Outer Space*. Feiwel & Friends, 2017. 96 p. (978-1250110176, pap.). Jigsaw and his crew find a clue that implies an alien may be about to visit their school. What does the Little Free Library have that aliens might want?

Quindt, Svetlana. *The Costume Making Guide: Creating Armor and Props for Play*. Impact, 2016. 128 p. (978-1440345166, pap.). Expert instruction for realistic-looking props.

Reinhart, Matthew. *Star Wars: A Galactic Pop-Up Adventure*. Orchard, 2012. 10 p. (978-0545176163). Brief text and pop-up illustrations explore the characters, places, and technologies of the *Star Wars* movies.

\*Riazi, Karuna. *The Gauntlet*. Salaam Reads/Simon & Schuster Books for Young Readers, 2018. 304 p. (978-1481486972, pap.). When three friends get sucked into a mechanical board game, they must defeat the game's diabolical architect to get free.

+Rowling, J.K. *Harry Potter and the Sorcerer's Stone: The Illustrated Edition*. Illustrated by Jim Kay. Arthur A. Levine, 2015. 256 p. (978-0545790352). Rescued from the neglect of his aunt and uncle, a boy with a great destiny proves his worth while attending Hogwarts School for Witchcraft and Wizardry. BR11879, DB47260

+Rowling, J.K. *Quidditch Through the Ages*. Arthur A. Levine, 2017. 128 p. (978-1338125740). This book provides answers to all the questions young Quidditch fans ask. BR13500, DB52452

Scieszka, Jon. *Baloney (Henry P.)* Illustrated by Lane Smith. Puffin, 2005. 40 p. (978-0142404300, pap.). This alien schoolkid needs a good excuse for why he is late for school again.

Seder, Rufus. *Star Wars: A Scanimation Book: Iconic Scenes from a Galaxy Far, Far Away*. Workman, 2010. 13 p. (978-0761158462). The first *Star Wars* book that moves also presents 12 memorable scenes from the film.

Underwood, Deborah. *Interstellar Cinderella*. Illustrated by Meg Hunt. Chronicle, 2015. 40 p. (978-1452125329). In this rhyming outer space adaptation of the fairy tale, Cinderella dreams of becoming a spaceship mechanic.

+Van Allsburg, Chris. *Jumanji*. Houghton Mifflin Harcourt, 2011. 32 p. (978-0547608389). This special anniversary edition contains a CD of actor Robin Williams reading the timeless tale. DB50700, BR5317

+Van Allsburg, Chris. *Zathura*. Houghton Mifflin Harcourt, 2002. 32 p. (978-0618253968). Twenty years later, the story continues when Danny and Walter discover an oblong box that unleashes a new series of reckless characters. DB55280

Wiesner, David. *Mr. Wuffles!* Clarion, 2013. 32 p. (978-0618756612). Mr. Wuffles ignores all his cat toys but one, which turns out to be a spaceship piloted by small green aliens.

Woodcock, Jon. *Star Wars Coding Projects*. DK, 2017. 96 p. (978-1465464729, pap.). Guided by their favorite *Star Wars* characters, kids can learn to code games and use Scratch in this step-by-step visual guide.

## Web Resources

**501st Legion: Find Your Local Unit.** [www.501st.com/maps/index.php](http://www.501st.com/maps/index.php)

**Aliens Love Underpants.** [www.underpantsbooks.com](http://www.underpantsbooks.com)

**Amazing Superhero Handprint Crafts for Kids.** [www.craftymorning.com/amazing-superhero-handprint-crafts-for-kids](http://www.craftymorning.com/amazing-superhero-handprint-crafts-for-kids)

**Basic Hand Stitches for Beginners.** [www.redtedart.com/basic-hand-stitches-beginners](http://www.redtedart.com/basic-hand-stitches-beginners)

**Block Posters.** [www.blockposters.com](http://www.blockposters.com)

**Board Games.** [www.pogo.com/board-games](http://www.pogo.com/board-games)

**Building a Galaxy with Code.** <https://code.org/starwars>

**Cosplay 101: An Introduction to Sewing.** <youtu.be/JalR5OUY8ko>

**DC Kids.** <www.dckids.com>

**DIY Fabric Scraps Memory Game.** <www.skiptomylou.org/fabric-scraps-memory-game>

**DIY Harry Potter Wands.** <https://boxycolonial.com/diy-harry-potter-wands>

**DIY Quidditch Pitch.** <www.housewifeeclectic.com/2016/10/diy-quidditch-pitch.html>

**Do Aliens Really Exist?** <http://discoverymindblown.com/articles/do-aliens-really-exist/>

**Easy Screen Printing.** <www.parents.com/fun/arts-crafts/kid/diy-silk-screen-printing>

**Hatch Your Own Pokemon Eggs.** <www.sciencekiddo.com/hatch-pokemon-eggs>

**How to Build a Geodesic Dome.** <www.ziptiedomes.com/2vmanual.htm>

**How to Create a DIY Green Screen Video Effect.** <www.techsmith.com/blog/how-to-create-a-diy-green-scre>

**How to Make a Mini Book Charm.** <www.instructables.com/id/How-To-Make-A-Mini-Book-Charm>

**How to Make a Pencil Case.** [www.ehow.com/how\\_2258727\\_make-pencil-case.html](www.ehow.com/how_2258727_make-pencil-case.html)

**How to Make Stop Motion Animation.** <https://youtu.be/Pw80ki6kc-k>

**How to Pokeball Terrarium! DIY Pokemon Craft.** <https://youtu.be/-vIChnRMv-0>

**Human Space Invaders.** <https://stuffyoucanuse.org/human-space-invaders-youth-group-games>

**Kahoot!** <https://kahoot.com>

**Lego Star Wars.** <www.lego.com/en-us/starwars>

**Marvel HQ.** <www.marvelhq.com>

**Minecraft Selfies.** <https://artprojectsforkids.org/minecraft-self-portraits>

**Mugglenet.** <www.mugglenet.com>

**Personalized Guess Who.** <www.instructables.com/id/Personalized-Guess-Who>

**Pottermore.** <www.pottermore.com>

**Sewing—Basics.** <www.cosplaytutorial.com/list/sewingbasics.php>

**Star Trek.** <www.startrek.com>

**Star Wars.** <www.starwars.com>

**Star Wars Jedi Training Birthday Party.** <www.momendeavors.com/2015/08/star-wars-jedi-training-birthday-party.html>

**Star Wars Perler Bead Patterns.** <www.u-createcrafts.com/star-wars-perler-bead-patterns>

**Superhero Database.** <www.superherodb.com>

**Teaching Kids to Sew, Part 3: Sleeping Masks and Super Hero Masks.** <www.makeit-loveit.com/teaching-kids-to-sew-sleeping-masks-super-hero-masks>

**The 10 Best Board Game Apps.** <www.popularmechanics.com/culture/gaming/g2210/the-10-best-board-games-apps>

**Valentine Hearts.** <www.mamasmiles.com/valentine-hearts>

**Virtual Outfits.** <www.virtualoutfits.com>

## Apps

Alexcandy. **Sewing Lessons.** Video tutorials include hand sewing, how to wind a bobbin, and more. Free.

Alike Studio. **Love You to Bits.** Travel through the universe collecting mementos as you interact with different scenarios and creatures. Free.

Benoît Layer. **Dice**. Never be without dice with this virtual companion. Free.

Beros. **Wizard Wanted Poster Maker HD**. Use your camera to create “Have You Seen This Wizard?” posters. Free.

Cateater LLC. **Stop Motion Studio**. Use images to make basic stop-action films with features for sound editing, green screen effects, and frame-by-frame editing. Free.

Fingerlab. **iMotion**. Take pictures and turn them into time-lapse or stop-motion masterpieces. Free.

Fox and Sheep. **Rhino Hero**. Help this caped hero protect the city in a physics-based game. Free.

Fred Rogers Center for Early Learning & Children’s Media. **Alien Assignment**. The Gloop have crashed their spaceship and need your help! Free.

Gartorware. **Who Are You in Harry Potter?** Ever wonder if you are a loyal Weasley or a cunning Malfoy? Quiz questions help you find out! Free.

Ivan Seidel Gomes. **Chwazi Finger Chooser**. Randomize luck when dividing teams or choosing pairs. Free.

Kudlian. **I Can Animate**. Bring inanimate objects to life, add sound effects, and organize your stop-motion movie. Free.

Minima Software. **Timer+**. Sand timers can be difficult to use in programs, but this app makes even multiple timers easy. Free.

Mojang. **Minecraft**. Make and explore with unlimited resources or dive into survivor mode. \$6.99.

Moonbot Studios. **Moonbeeps: Gizmo**. Turn any box into a rocket ship with this virtual dashboard. Free.

Mr. Lightbox. **Clayframes**. Create stop-motion animations with added features like transparent overlay, frame duplication, and the ability to draw over your images. \$2.99.

Niantic. **Pokemon Go**. Get outside and join fellow trainers in catching Pokemon, battling for victory and collecting items. Free.

The Pokemon Co. International. **Pokemon Playhouse**. Hatch, groom, and play with a playhouse of Pokemon. Free.

Priddy Software. **Stardate Calculator**. Find out what today’s date would be on the Stardate Calendar. Free.

Sheado. **Stop-Motion**. Set your scene and string together frames for exciting stop-motion videos. \$1.99.

Tinybop. **Space**. Observe and interact with outer space while learning interesting facts and figures. Free.

Toca Boca. **Toca Builders**. Build stuff and smash it. \$2.99.

Warner Bros. **Fantastic Beasts: Cases**. Search for clues in this hidden-object game based on the film. Free.

Warner Bros. **International Enterprises**. Lego Harry Potter: Years 1–4. This immersive game follows Harry’s first years at Hogwarts. Free.

YesGnome LLC. **Star Trek Trexels**. Become part of the Starfleet crew and take on adventure as it unfolds. Free.



## ***Shoot for the Moon***



### **Books**

Adamson, Thomas K. ***Do You Really Want to Visit the Moon?*** Illustrated by Daniele Fabbri. Amicus, 2013. 24 p. (978-1607531975). Young explorers take an imaginary trip to the moon and visit Apollo mission sites, then compare them to decide whether Earth is a good home.

Aldrin, Buzz. ***Look to the Stars***. Illustrated by Wendell Minor. G.P. Putman's Sons, 2009. 40 p. (978-0399247217). An astronaut guides readers through the history of space exploration, including the first rockets, America's space race with Russia, the Apollo missions, and the space station.

\*Brown-Wood, JaNay. ***Imani's Moon***. Illustrated by Hazel Mitchell. Mackinac Island, 2014. 32 p. (978-1934133576). A small Maasai girl longs to do something great. When she decides she wants to touch the moon, she works hard to reach her goal.

\*+Bruchac, Joseph, and Jonathan London. ***Thirteen Moons on Turtle's Back: A Native American Year of Moons***. Illustrated by Thomas Locker. Puffin Books, 1997. (978-0698115842). Celebrate each moon of the year with poems based on legends from Native American tribes. Includes an author's note about the diversity of tribes and moon stories. BR8981

\*+Burns, Khephra, and William Miles. ***Black Stars in Orbit: NASA's African American Astronauts***. Gulliver Books, 1995. 80 p. (978-152004323). Photos and text explain African Americans' struggle to participate in America's space program. DB41667

Chambers, Roland. ***The Rooftop Rocket Party***. Roaring Brook Press, 2003. 32 p. (978-0761318880). Finn longs to meet the man in the moon. A strange invitation may help him realize that dream.

+Chin, Jason. ***Gravity***. Roaring Brook Press, 2014. 32 p. (978-1596437173). Gravity, the invisible force that causes objects to attract each other, is a complex subject made accessible in this brightly illustrated book. BR21071

Courgeon, Rémi. ***Many Moons***. Walter Foster Jr., 2017. 32 p. (978-1633222984). Explore the phases of the moon with bright illustrations. Each spread features a moon phase and compares it to shapes such as a cat's tail, a banana, and a brilliant smile.

De La Rosa, Jeff. Out of This World series. Multiple titles. World Book, Inc., 2017. 48 p. ISBNs vary. This eight-volume series was produced in collaboration with NASA's Innovative and Advanced Concepts Program.

Dell, Pamela. *Man on the Moon: How a Photograph Made Anything Seem Possible*. Compass Point Books, 2011. 64 p. (978-0756544478). Explore the historical context of Neil Armstrong's iconic photo of the 1969 moon landing.

+Ehlert, Lois. *Moon Rope: A Peruvian Folktale = Un lazo a la luna: Una leyenda peruana*. Translated by Amy Prince. Harcourt Brace, 1992. 40 p. (978-0152553432). A bilingual adaptation of the Peruvian folktale in which Fox convinces Mole to climb to the moon with a woven grass rope. DB40759

\*Feldman, Thea. *Meet Katherine Johnson*. Simon Spotlight, 2017. 48 p. (978-1534403413). Katherine Johnson's unparalleled mathematical calculations helped plan the trajectories for NASA's Mercury and Apollo missions.

Fierst, Gerald. *Imagine the Moon: A Primer of Full Moon Names*. Illustrated by Leslie Stall Widener. Plum Street, 2017. 32 p. (978-1945268021). In a two-tiered format designed for early learning, this book combines poetic imagery with expository text to create a compelling introduction to the calendar of full moons.

+Floca, Brian. *Moonshot: The Flight of Apollo 11*. Atheneum, 2009. 48 p. (978-1416950462). A true story of adventure and discovery, a story of leaving and returning during the summer of 1969, and a story of home seen from far away. DB85036

Fraknoi, Andrew, and Dennis Schatz. *When the Sun Goes Dark*. National Science Teachers Association Kids, 2017. 36 p. (978-1681400112). Explore the fascination with eclipses through science projects and safe viewing information.

Gibbons, Gail. *The Moon Book*. Holiday House, 1997. 32 p. (978-0823412976). This introductory book describes the moon's movement and phases, and discusses how humans have observed and explored it.

+Hadfield, Chris. *The Darkest Dark*. Illustrated by the Fan Brothers. Little, Brown Books for Young Readers, 2016. 48 p. (978-0316394727). Chris loves pretending he's an astronaut, but at night Chris doesn't feel so brave. DBC08737

Irvine, Alex. *The Far Side of the Moon: The Story of Apollo 11's Third Man*. Illustrated by Ben Bishop. Tilbury House, 2017. 64 p. (978-0884484523). This graphic novel tells a different side of the moon landing mission—of astronaut Michael Collins and his solo trip to the far side of the moon.

Jenkins, David. *Moonwalk: The Story of the Apollo 11 Moon Landing*. Illustrated by Adrian Buckley. Circa Press, 2017. 48 p. (978-0993072178). Celebrate human engineering with historical and scientific facts designed to encourage curiosity and interest in space and the moon.

+Joyce, William. *The Man in the Moon*. Atheneum Books for Young Readers, 2011. 56 p. (978-1442430419). When an orphan baby in the moon makes friends with the children of Earth, he shines to ward off their fears. DBC06574

\*Keats, Ezra Jack. *Regards to the Man in the Moon*. Viking, 2009. 40 p. (978-0670011377). Using his imagination and a few scraps of junk, Louie and his friends travel through space.

Koll, Hilary, and Steve Mills. *You Do the Math: Launch a Rocket into Space*. Illustrated by Vladimir Aleksic. QEB, 2015. 32 p. (978-1609927295). Follow each stage of a mission and complete the math to make sure your rocket blasts clear of the atmosphere and returns safely.

Kortenkamp, Steve. *Future Explorers: Robots in Space*. Capstone, 2015. 48 p. (978-1491441633). Robonauts aid in exploring other planets, moons, and asteroids.

Krensky, Stephen. *The Great Moon Hoax*. Carolrhoda, 2011. 30 p. (978-0761351108). Based on a true story, 1830s newsboys sell copies of the paper reporting that a powerful telescope has found exotic animals and structures on the moon.

\*+Lin, Grace. *Where the Mountain Meets the Moon*. Little, Brown Books for Young Readers, 2009. 288 p. (978-0415495257). An adventurous girl buys a magical goldfish, then joins a dragon on a quest to find the Old Man of the Moon. BR18712, DB70391

Linde, Barbara M. *Rocket Scientists*. PowerKids Press, 2016. 32 p. (978-1499418552). Designing and studying rockets is an exciting career that involves science, technology, engineering, and math.

- Martin, Ruth. *Moon Dreams*. Candlewick Press, 2010. 32 p. (978-0763650124). A girl named Luna wonders where the moon goes during the daytime and imagines different answers to her question.
- Mauer, Richard. *Rocket! How a Toy Launched the Space Age*. Knopf Books for Young Readers, 1995. 64 p. (978-0517596289). This history of modern rocketry follows its development from 19th-century dream to the modern towers of power.
- McCarty, Peter. *Moon Plane*. Henry Holt, 2006. 40 p. (978-0805079432). After a gentle, imaginary trip from the earth to the moon and back, a boy ends up safely in his mother's arms.
- McMullen, Gemma. *The Moon*. Booklife, 2016. 32 p. (978-1910512869). Facts and photographs about the moon. Includes highlighted vocabulary words.
- McNulty, Faith. *If You Decide to Go to the Moon*. Illustrated by Steven Kellogg. Scholastic, 2005. 48 p. (978-0590483599). The reader participates in every aspect of the journey, from packing to liftoff to traveling through space.
- Robaard, Jedda. *Stanley the Sock Monster Goes to the Moon*. Little Bee, 2015. 40 p. (978-1499800128). Stanley is a little monster with a big dream: to visit the moon.
- Robbins, Dean. *Margaret and the Moon: How Margaret Hamilton Saved the First Lunar Landing*. Illustrated by Lucy Knisley. Knopf Books for Young Readers, 2017. 40 p. (978-0399551857). Introduces the mathematician whose childhood love of numbers led to her prestigious contributions at NASA.
- Rustad, Martha E.H. *The Moon*. Capstone, 2016. 24 p. (978-1491483237). A scientific introduction to the moon for beginner readers.
- Rustgi, Jennifer. *A Moon of My Own*. Dawn, 2016. 32 p. (978-1584695721). A girl dreams that she travels all seven continents with her companion, the moon.
- +Salas, Laura Purdie. *If You Were the Moon*. Millbrook, 2017. 32 p. (978-1467780094). Poetic text is juxtaposed with scientific facts about the moon. DBC08752
- Scott, Elaine. *Our Moon: New Discoveries About Earth's Closest Companion*. Clarion Books, 2016. 72 p. (978-0547483948). Includes information on the newest theories on how the moon formed, the discovery of water on its surface, and the future possibility of moon colonies.
- \*Shaefer, Carole Lexa. *Sometimes Moon*. Knopf Books for Young Readers, 1999. 40 p. (978-0517709818). A girl sees the changing moon as thin and silver like a dory boat, as a half circle like Mama's knitting basket, and full and chubby like a baby's cheeks.
- \*Shea, Pegi Deitz. *New Moon*. Boyds Mills, 1996. 32 p. (978-1563974106). Vinnie's big brother shows her the bright full moon, *la luna*, one night and starts her fascination with the ever-changing moon.
- \*Shepherd, Jodie. *To the Moon!* Illustrated by Mike Byrne. Millbrook, 2017. 24 p. (978-1512425369). Join Neil as he explores the moon's mountains and hills and collects space rocks for his science project.
- \*+Shetterly, Margot Lee. *Hidden Figures: The True Story of Four Black Women and the Space Race*. Illustrated by Laura Freeman. HarperCollins Children's Books, 2018. 40 p. (978-0062742469). The true story of NASA's hiring of several women mathematicians who helped send the United States into space for the very first time. BR21798, DB86234
- \*+Shetterly, Margot Lee. *Hidden Figures Young Readers' Edition*. HarperCollins Children's Books, 2016. 240 p. (978-0062662378). Before we got to the moon, a group of dedicated female mathematicians used pencils, slide rules, and adding machines to calculate the numbers that would launch rockets and forever change the face of the country. DB86824
- \*Singh, Rina, and Debbie Lush. *Moon Tales: Myths of the Moon from Around the World*. Bloomsbury, 2000. 80 p. (978-0747541127). This collection of stories from around the world shows how the moon has always made us curious.
- +Swanson, Susan Marie. *The House in the Night*. Illustrated by Beth Krommes. Houghton Mifflin Books for Children, 2008. 40 p. (978-0618862443). This Caldecott Medal-winning bedtime book comforts by naming nighttime things. BR18041
- +Thimmesh, Catherine. *Team Moon: How 400,000 People Landed Apollo 11 on the Moon*. Houghton

Mifflin, 2006. 80 p. (978-0618507573). This book chronicles the lives of some of the hundreds of people who worked behind the scenes to land a man on the moon. DB63398

\*Waxman, Laura Hamilton. *Aerospace Engineer: Aprille Ericsson*. Lerner, 2015. 32 p. (978-1467757935). At NASA, Aprille Ericsson has helped build spacecraft that can map the moon, monitor climate change, or even bring soil and rocks back from Mars.

Ziefert, Harriet. *You Can't Ride a Bicycle to the Moon!* Illustrated by Amanda Haley. Blue Apple Books, 2014. 40 p. (978-1609054199). Poems, quotes, and questions are interspersed to engage readers about the science and history of the moon and space travel.

## Movie

^Melfi, Theodore, director. *Hidden Figures*. 20th Century Fox, 2017. 127 min. (B01LT11RHG)

## Music

Beethoven, Ludwig van. *Beethoven: Piano Sonatas Nos. 8 "Moonlight", 14 "Appassionata" and 23 "Pathétique."* Directed by Daniel Barenboim. DG Imports, 1990. (B000001G81). Includes *Moonlight Sonata*.

Laurie Berkner Band. *Rocketship Run*. Razor & Tie, 2016. (B01MDO43TJ). Includes "Rocketship Run."

Debussy, Claude. *Clair de Lune: Debussy Favorites*. Performed by the Montreal Symphony Orchestra. Decca Records, 2012. (B00751K0GG). Includes the song "Clair de Lune."

## Web Resources

**Apollo 11 HD Videos.** [www.nasa.gov/multimedia/hd/apollo11\\_hdpage.html](http://www.nasa.gov/multimedia/hd/apollo11_hdpage.html)

**A Brief History of the Lunar Roving Vehicle.** [www.history.nasa.gov/alsj/MSFC-LRV.pdf](http://www.history.nasa.gov/alsj/MSFC-LRV.pdf)

**From Hidden to Modern Figures.** [www.nasa.gov/modernfigures](http://www.nasa.gov/modernfigures)

**Full Moon Photographed from Apollo 11 Spacecraft.**

[www.nasa.gov/mission\\_pages/apollo/40th/images/apollo\\_image\\_25.html](http://www.nasa.gov/mission_pages/apollo/40th/images/apollo_image_25.html)

**Global Cardboard Challenge.** <https://cardboardchallenge.com>

**Google Moon.** [www.google.com/moon](http://www.google.com/moon)

**Grown-Up Moon: What Do You See in Today's Moon?**

[www.lpi.usra.edu/education/explore/marvelMoon/activities/familyNight/whatDoYouSee](http://www.lpi.usra.edu/education/explore/marvelMoon/activities/familyNight/whatDoYouSee)

**Imani's Moon.** [www.janaybrownwood.com/uploads/2/6/1/9/26190964/rif\\_imanis-moon\\_guide.pdf](http://www.janaybrownwood.com/uploads/2/6/1/9/26190964/rif_imanis-moon_guide.pdf)

**Lunar Tunes.** <https://moon.nasa.gov/galleries/lunar-tunes/infographic>

**Ozobot.** <https://ozobot.com/stem-education>

**Rocket Parts.** <https://spaceflightsystems.grc.nasa.gov/education/rocket/rockpart.html>

**Apollo to the Moon.** <https://airandspace.si.edu/exhibitions/apollo-to-the-moon>

**Sphero Edu Activities.** <https://edu.sphero.com/cwists/category>

**Touchdown Activity.** [www.jpl.nasa.gov/edu/teach/activity/touchdown](http://www.jpl.nasa.gov/edu/teach/activity/touchdown)

**Where the Mountain Meets the Moon.** [www.gracelinbooks.com/files/Mountain\\_Moon\\_EduGuide.pdf](http://www.gracelinbooks.com/files/Mountain_Moon_EduGuide.pdf)

## Apps

Cateater, LLC. **Stop Motion Studio**. Create and edit stop-motion movies with themes, titles, and sound effects. Free.

Sphero, Inc. **Sphero**. Complete missions and master your Sphero skills. Free.

Evolve, Inc. **Ozobot**. Play OzoDraw, OzoLuck, and OzoPath. Free.

## ***To the Library and Beyond***



### **Books**

Boyd, Lizi. *Flashlight*. Chronicle, 2014. 40 p. (978-1452118949). A boy on a camping trip leaves his tent to explore the woods with a flashlight in this wordless picture book.

\*Braun, Eric. *If I Were an Astronaut*. Picture Window, 2009. 24 p. (978-1404857100). Shares information about what astronauts do in space, including what they eat, what work they do, how they sleep, and more.

Brown, Carron, and Bee Johnson. *On the Space Station: A Shine-a-Light Book*. Illustrated by Bee Johnson. KaneMiller/EDC, 2016. 36 p. (978-1610674119). By holding the book up to a light, readers will discover how astronauts work, eat, and exercise, following a crew from liftoff to touchdown.

Brunelle, Lynn. *Camp Out! The Ultimate Kids' Guide*. Workman, 2007. 256 p. (978-0761141228). This book includes dozens of activities for your next camping trip, including games, recipes, and tips for good nature stewardship.

Clay, Kathryn. **Little Astronaut series**. Multiple titles. Capstone, 2017. 32 p. ISBNs vary. Discover the history of space travel, the secrets of living in space, the science of space flight, and what it takes to become a space explorer.

Cole, Rachael, and Blanca Gómez. *City Moon*. Schwartz & Wade, 2017. 40 p. (978-0553497076). A little boy and his mama walk around their neighborhood looking for the moon.

Cousteau, Philippe, and Deborah Hopkinson. *Follow the Moon Home: A Tale of One Idea, Twenty Kids, and a Hundred Sea Turtles*. Illustrated by Meilo So. Chronicle, 2016. 48 p. (978-1452112411). A story of the powerful difference young people can make in the world, as a whole community comes together to save South Carolina sea turtles.

Dunne, Abbie. *Nocturnal Animals*. Capstone, 2016. 24 p. (978-1515709466). Short chapters offer an introduction to nocturnal animals including bats, owls, foxes, and more.

Feder, Sandra V. *The Moon Inside*. Illustrated by Aimée Sicuro. Groundwood, 2016. 32 p. (978-1554988235). Ella is afraid of the dark, but her mother encourages her to observe the moon and the other special things that happen only at night.

Fishman, Seth. *A Hundred Billion Trillion Stars*. Illustrated by Isabel Greenberg. Greenwillow, 2017. 40 p. (978-0062455789). Our world is full of constantly changing numbers, from 100 billion trillion stars in space to 37 billion rabbits on Earth.

- Florian, Douglas. *Comets, Stars, the Moon, and Mars: Space Poems and Paintings*. Houghton Mifflin Harcourt, 2007. (978-0152053727). Twenty whimsical poems about space, with die-cut pages and a glossary of space terms.
- Foley, Greg. *Willoughby and the Moon*. Balzer + Bray, 2010. 40 p. (978-0061547539). A boy finds a snail sitting atop the moon in his closet, and the two help each other overcome fears.
- Foster, John. *A Rocketful of Space Poems*. Illustrated by Korky Paul. Frances Lincoln Children's Books, 2017. 37 p. (978-1847804860). This collection of creative, silly, and fun poems takes readers out into space and back to Earth.
- Gater, Will, and Giles Sparrow. *The Night Sky Month by Month*. Dorling Kindersley, 2011. 128 p. (978-0756671488). A guide to discovering and navigating the night sky every month, with charts for both the northern and southern hemispheres at any time of the year.
- \*Gates, Mariam. *Good Morning Yoga: A Pose-by-Pose Wake Up Story*. Illustrated by Sarah Jane Hinder. Sounds True, 2016. 36 p. (978-1622036028). A wake-up story and a series of simple poses for welcoming the natural world as day begins.
- \*+Gates, Mariam. *Good Night Yoga: A Pose-by-Pose Bedtime Story*. Illustrated by Sarah Jane Hinder. Sounds True, 2015. 36 p. (978-1622034666). A bedtime story that introduces calming yoga poses and movements. BR21058
- +Gerstein, Mordicai. *The Night World*. Little, Brown, 2015. 40 p. (978-0316188227). A cat persuades her boy to go into the late-night darkness, where they are greeted by the shadows of flowers and nocturnal animals. BR21062
- Gianferrari, Maria. *Coyote Moon*. Illustrated by Bagram Ibatoulline. Roaring Brook, 2016. 32 p. (978-1626720411). By the light of the full moon, a mother coyote encounters a mouse, geese, a rabbit, and a wild turkey.
- +Henkes, Kevin. *Kitten's First Full Moon*. Greenwillow, 2004. 36 p. (978-0060588281). When Kitten mistakes the full moon for a bowl of milk, she ends up tired, wet, and hungry. BR16023
- Hodgkins, Fran. *The Secret Galaxy*. Photography by Mike Taylor. Tilbury House, 2014. 32 p. (978-0884483915). Up there, beyond the haze of streetlights and buildings, lies the Milky Way.
- Holmes, Janet A. *Blue Sky Yellow Kite*. Illustrated by Jonathan Bentley. Peter Pauper, 2017. 32 p. (978-1441324825). A bright kite facilitates a lesson in friendship.
- James, Helen Foster. *S Is for S'mores: A Camping Alphabet*. Illustrated by Lita Judge. Sleeping Bear, 2007. 40 p. (978-1585363025). An alphabet book that tells about camping through poetry, prose, and illustrations.
- Kelly, Scott. *My Journey to the Stars*. Illustrated by André Ceolin. Crown Books for Young Readers, 2017. 48 p. (978-1524763770). A NASA astronaut takes readers on a journey from his childhood to his record-breaking year among the stars.
- \*Khan, Rukhsana. *King for a Day*. Lee & Low, 2014. 32 p. (978-1600606595). A Pakistani boy who is confined to a wheelchair tries to capture the most kites during the annual spring kite festival.
- Kim, F.S. *Constellations*. Children's Press, 2010. 48 p. (978-0531168950). An illustrated introduction to constellations and related topics.
- Krishnaswami, Uma. *Bright Sky, Starry City*. Illustrated by Aimée Sicuro. Groundwood/House of Anansi, 2015. 32 p. (978-1554984053). Phoebe helps her dad set up telescopes on the sidewalk, but then the rain begins.
- Kuskowski, Alex. *Cool Backyard Camping: Great Things to Do in the Great Outdoors*. Checkerboard Library, 2015. 32 p. (978-1624036934). This book is full of activities with easy-to-follow steps written just for kids.
- \*Lee, YJ. *The Little Moon Princess*. HarperCollins, 2010. 32 p. (978-0061547362). With the help of a new friend, the Little Moon Princess finds a way to prevent being scared of the dark.
- \*MacDonald, Margaret Read. *Tuck-Me-In-Tales: Bedtime Stories from Around the World*. Illustrated

by Yvonne Davis. August House, 2005. 64 p. (978-0874834611). Presents five folktales from around the globe for young children.

\*Manushkin, Fran. *Peeping and Sleeping*. Illustrated by Jennifer Plecas. Clarion, 1994. 32 p. (978-0395643396). Barry and his father take an evening walk to investigate the peeping sounds they hear.

+Marino, Gianna. *Night Animals*. Viking, 2015. 40 p. (978-0451469540). Possum is hiding from the sounds in the night, and his fear sets off a chain reaction. DBC06469

\*Morales, Yuyi. *Little Night/Nochecita*. Square Fish, 2016 32 p. (978-1250073242). A girl plays hide-and- seek with Mother Sky as she gets ready for bed. Told in English and Spanish.

\*Oppenheim, Shulamith Levey. *Fireflies for Nathan*. Puffin, 1996. 32 p. (978-0140557824). On an overnight visit at his grandparents' house, Nathan waits for the fireflies to come out.

Owen, Ruth. *Astronaut: Life as a Scientist and Engineer in Space*. Bearport, 2016. 32 p. (978-1910549872). Learn about how astronauts train and how today's scientists are working toward future missions to Mars.

Rey, H.A. *Find the Constellations*. Houghton Mifflin Harcourt, 2016. 72 p. (978-0544763425, pap.). Investigate the mythology of constellations, the ones that are visible in each season, and the brightness of stars.

Ringstad, Arnold. *The International Space Station*. Momentum, 2016. 24 p. (978-1634074773). Presents the story of the International Space Station, featuring the intrigue and excitement behind the mission.

Rosenstock, Barb. *Vincent Can't Sleep: Van Gogh Paints the Night Sky*. Illustrated by Mary GrandPre. Alfred A. Knopf, 2017. 40 p. (978-1101937105). Vincent often found himself unable to sleep and was inspired to paint by the starlit skies.

Sasaki, Chris. *Constellations: A Glow-in-the-Dark Guide to the Night Sky*. Illustrated by Alan Finn. Sterling, 2006. 48 p. (978-1402742323). Identifies groups of stars and discusses the origins and legends behind constellations.

\*Singer, Marilyn. *A Full Moon Is Rising*. Lee & Low, 2011. 48 p. (978-1600603648). A collection of poems sharing how different cultures and places of the world view the moon.

Sklansky, Amy E. *Out of This World: Poems and Facts About Space*. Illustrated by Stacey Schuett. Knopf Books for Young Readers, 2012. 40 p. (978-0375864599). Poems featuring themes of space exploration and the night sky are coupled with historical and scientific facts in this collection.

Stoop, Naoko. *Red Knit Cap Girl*. Little, Brown, 2012. 40 p. (978-0316129466). Red Knit Cap Girl and White Bunny are on a quest to talk to the moon.

\*Torres, Leyla. *The Kite Festival*. Farrar, Straus and Giroux, 2004. 32 p. (978-0374380540). While on a Sunday outing, a family encounters a kite festival and creates a kite from scrap materials.

Williams, Dave, and Loredana Cunti. *Go for Liftoff! How to Train like an Astronaut*. Illustrated by Theo Krynauw. Annick, 2017. 52 p. (978-1554519156). Training for flight depends on being prepared physically, mentally, and emotionally.

+Williams, Dave, and Loredana Cunti. *To Burp or Not to Burp: A Guide to Your Body in Space*. Illustrated by Theo Krynauw. Annick, 2016. 56 p. (978-1554518548). This book answers many of kids' most burning questions about the astronaut experience. DB86674

Yankey, Lindey. *Sun and Moon*. Simply Read, 2015. 40 p. (978-1927018606). After a lifetime of darkness, all Moon wants is to spend just one day as Sun.

+Yolen, Jane. *Owl Moon*. Illustrated by John Schoenherr. Philomel, 1987. 32 p. (978-0399214578). On a winter night with a full moon, a young girl and her father explore and observe the quiet of the night, the moon, the stars, and a great horned owl. BR07903, DB42932

## Movies/DVDs

^Blanco, Jorge, Javier Abad, and Marcos Martinez, directors. *Planet 51*. Sony Pictures, 2010. 91 min.

(PG) (B001PR0YE0)

Brooks, Mel, director. *Spaceballs*. MGM, 1987. 97 min. (PG) (B00U0WY2V6)

Castle, Nick, director. *The Last Starfighter*. (PG) Universal Studios, 1984. 101 min. (B0024FADAQ)

Favreau, Jon, director. *Zathura: A Space Adventure*. Sony Pictures, 2006. 101 min. (PG) (B000DBHX4M)

Gates, Mariam, author. *Good Morning Yoga: A Pose-by-Pose Wake Up Story*. Dreamscape Media, 2016. (NR) 20 min. (1520069529)

Gates, Mariam, author. *Good Night Yoga: A Pose-by-Pose Bedtime Story*. Dreamscape Media, 2017. 17 min. (NR) (1520069494)

Hill, Tim, director. *Muppets from Space*. Sony Pictures, 2002. 88 min. (G) (B01GWCCI7C)

Howard, Ron, director. *Apollo 13*. Universal Pictures, 1998. 140 min. (PG) (0783225733)

Pytko, Joe, director. *Space Jam*. Warner Bros., 2011. 87 min. (PG) (B004GJYROG)

Spielberg, Steven, director. *E.T. the Extraterrestrial*. Universal Pictures, 1982. 115 min. (PG) (B073WYD3CH)

## Music/CD

Willey, Kira. *Dance for the Sun: Yoga Songs for Kids*. Fireflies Records, 2006. (B000M4RVHY). Includes the songs “Dance for the sun” and “Midnight Moonlight.”

## Web Resources

**Astronaut Chris Hadfield and Chef Traci Des Jardins Make a Space Burrito.**

[www.youtube.com/watch?v=f8-UKqGZ\\_hs](http://www.youtube.com/watch?v=f8-UKqGZ_hs)

**Build a Solar System.** [www.exploratorium.edu/ronh/](http://www.exploratorium.edu/ronh/)

**Jump to Jupiter.** <http://clearinghouse.starnetlibraries.org/collections/DiscoverSpace/JumpToJupiter-ActivityGuide.pdf>

**Moonrise and Moonset Calculator—City Lookup.** [www.timeanddate.com/moon](http://www.timeanddate.com/moon)

**Night Sky Network.** <https://nightsky.jpl.nasa.gov>

**Our Solar System Lithograph Set.**

[www.nasa.gov/sites/default/files/files/Solar\\_System\\_Lithograph\\_Set.pdf](http://www.nasa.gov/sites/default/files/files/Solar_System_Lithograph_Set.pdf)

**Soft Landing Challenge.**

<https://rmpbs.pbslearningmedia.org/resource/mss13.sci.engin.design.softland/soft-landing-challenge/#.Wme4PqinHyR>

**Solar System Ambassadors Program.** <https://solarsystem.nasa.gov/ssa>

**Solar System in My Neighborhood.**

[www.lpi.usra.edu/education/explore/solar\\_system/activities/familyOfPlanets/solarSystem](http://www.lpi.usra.edu/education/explore/solar_system/activities/familyOfPlanets/solarSystem)

**Space Station Videos.** [www.nasa.gov/mission\\_pages/station/videos/index.html](http://www.nasa.gov/mission_pages/station/videos/index.html)

**Space-Themed Music.** [https://en.wikipedia.org/wiki/Space-themed\\_music](https://en.wikipedia.org/wiki/Space-themed_music)

**Spot the Station.** <https://spotthestation.nasa.gov>

**StoryWalk®.** [www.kellogghubbard.org/storywalk](http://www.kellogghubbard.org/storywalk)

**Take a Hike! Building Literacy Skills Through StoryWalk.**

[www.bostonchildrensmuseum.org/sites/default/files/pdfs/rttt/storywalk/storywalk\\_v3web.pdf](http://www.bostonchildrensmuseum.org/sites/default/files/pdfs/rttt/storywalk/storywalk_v3web.pdf)

**Train like an Astronaut.**

[www.nasa.gov/audience/foreducators/trainlikeanastronaut/activities/index.html](http://www.nasa.gov/audience/foreducators/trainlikeanastronaut/activities/index.html)

## Trekking Across Our Universe



### Books

\*Ada, Alma Flor. *The Lizard and the Sun/La lagartija y el sol*. Illustrated by Felipe Dávalos. Picture Yearling, 1999. 48 p. (978-0440415312, pap.). Once, a long, long time ago, the sun disappeared from the sky. All the animals went to search for the sun in the rivers and lakes, through the fields and forests, but the sun was nowhere to be found. Little by little all the animals gave up, except for the faithful lizard.

Askew, Amanda. *The Complete Guide to Space*. Sandy Creek, 2015. 144 p. (978-1435161658). Uncover the mysteries of space, from stars and planets to space travel. Explore the International Space Station, meet the Curiosity rover, and learn how to observe the night sky.

Ball, Nate. *Let's Investigate with Nate: The Solar System*. Illustrated by Wes Hargis. HarperCollins, 2017. 40 p. (978-0062357427, pap.). Ever look up at the sky and wonder how many planets there are? Or want to know how many Earths could fit within the sun? Take a ride 3.6 billion miles away to answer these questions while exploring with a team of adventurous scientists.

Bang, Molly, and Penny Chisholm. *Rivers of Sunlight: How the Sun Moves Water Around the Earth*. Blue Sky, 2017. 48 p. (978-0545805414). From sea to sky, the sun both heats and cools water, ensuring that life can exist on Earth. How does the sun keep ocean currents moving, and lift fresh water from the seas, and how do we conserve a precious resource?

Branley, Franklyn M. *The Planets in Our Solar System*. Illustrated by Kevin O'Malley. HarperCollins, 2015. 32 p. (978-0062381941, pap.). Introduces the solar system and its nine planets. Includes directions for making two models, one showing the relative sizes of the planets and the other their relative distances from the sun.

+Branley, Franklyn M. *The Sun: Our Nearest Star*. Illustrated by Edward Miller. HarperCollins, 2002. 32 p. (978-0064452021, pap.). The sun is a star, like billions of others. But it is the star that is closest to us. It keeps us warm and gives us light and energy. Without the sun, there would be no life on Earth. BR15360, DB57817

Brockington, Drew. *CatStronauts series*. Multiple titles. Little, Brown Books for Young Readers, 2017. 160–184 p. ISBN's vary, pap. With national pride and scientific research on the line, the world's space programs rush to send the first cats to Mars, and the CatStronauts are starting months behind!

Brown, Jeff. *Stanley in Space*. Illustrated by Macky Pamintuan. HarperCollins, 2009. 128 p. (978-0064421744). Stanley and his family are chosen to fly a new top-secret spaceship.

\*+Bruchac, Joseph, and Gayle Ross. *The Story of the Milky Way: A Cherokee Tale*. Illustrated by Virginia A. Stroud. Dial Books for Young Readers, 1995. 32 p. (978-0803717374). When cornmeal is stolen from an elderly couple, the others in a Cherokee village find a way to drive off the thief, creating

the Milky Way. DB43759 (may be available only for download)

Buckley, James, Jr. *Space Heroes: Amazing Astronauts*. DK Children, 2004. 48 p. (978-0789498960, pap.). Brave, bold, and daring—this is the amazing story of the world’s greatest astronauts.

Campbell, Janis, and Cathy Collision. *G Is for Galaxy: An Out of This World Alphabet*. Illustrated by Alan Stacy. Sleeping Bear, 2006. 40 p. (978-1585363353, pap.). This A-to-Z pictorial covers planets, craters, comets, orbits, and telescopes; each word is introduced with a simple poem for younger readers and detailed expository text for older readers.

\*Camper, Cathy. *Low Riders in Space*. Illustrated by Raúl the Third. Chronicle, 2014. 112 p. (978-1452128696, pap.). Lupe, Flapjack, and Elirio customize their car for the Universal Car Competition to win the prize that will enable them to buy their own garage. Spanish words and phrases are used throughout the English text.

Carson, Mary Kay. *Beyond the Solar System: Exploring Galaxies, Black Holes, Alien Planets, and More—A History with 21 Activities*. Chicago Review Press, 2013. 144 p. (978-1613745441, pap.). Only when astronomers began taking a closer look did anyone realize what a fascinating, ever-changing universe lies beyond our solar system.

Cole, Joanna, and Bruce Degen. *The Magic School Bus Lost in the Solar System*. Scholastic, 1992. 40 p. (978-0590414296, pap.). On a special field trip Ms. Frizzle’s class goes into outer space and visits each planet in the solar system.

Courtenay, Lucy. *Space Penguins Galaxy Race*. StoneArch, 2015. 112 p. (978-1434297839, pap.). Rocky’s reputation for death-defying aerial acrobatics gains him an invitation to participate in the galaxy’s notorious Superchase Space Race. But will this turn out to be a race to the death?

\*Dayrell, Elphinstone. *Why the Sun and Moon Live in the Sky: An African Folktale*. Illustrated by Blair Lent. HMH Books for Young Readers, 1990. 32 p. (978-0395539637, pap.). The sun and water once lived on Earth as friends, but because the sun failed to build his house large enough, he and his moon wife were driven into the sky when the water came to visit them.

Dubbs, Chris. *Space Dogs: Pioneers of Space Travel*. iUniverse, 2003. 102 p. (978-0595267354, pap.). Back when rockets were new, a group of Russian canine cosmonauts rode rockets into orbit.

Dunn, Joeming. *Laika: The 1st Dog in Space*. Illustrated by Ben Dunn. Magic Wagon, 2011. 32 p. (978-1616416416, pap.). Animals were an important part of early space travel and exploration. This book introduces readers to Laika, a chronology of the dog’s trip into space, and the ways that mission influenced history.

+Edwards, Roberta. *Who Was Neil Armstrong?* Penguin Workshop, 2008. 112 p. (978-0448449074, pap.). This biography introduces readers to the first man to step on the moon.

\*Feldman, Thea. *You Should Meet: Katherine Johnson*. Illustrated by Alyssa Petersen. Simon Spotlight, 2017. 48 p. (978-1534403406, pap.). A brilliant mathematician, Johnson’s unparalleled, hand calculations helped plan the trajectories for NASA’s Mercury and Apollo missions, including the Apollo 11 moon landing.

Forbes, Scott. *How to Make a Planet: A Step-by-Step Guide to Building the Earth*. Illustrated by Jean Camden. Kids Can, 2014. 64 p. (978-1894786881). Follow along as two children perform an experiment in which they create a new planet, replicating in 10 steps the processes that formed Earth.

Forest, Heather. *The Contest Between the Sun and the Wind: An Aesop’s Fable*. Illustrated by Susan Gaber. August House, 2013. 32 p. (978-1939160669, pap.). A man finds himself swept up in a battle of strength as the sun and the wind each compete to make him remove his coat.

+Gibbons, Gail. *Galaxies, Galaxies!* Holiday House, 2008. 32 p. (978-0823421923, pap.). How many galaxies are there in the universe? For years astronomers thought that the Milky Way was the universe. Now we know that there are billions more. BR17336

+Gibbons, Gail. *Sun Up, Sun Down*. HMH Books for Young Readers, 1987. 32 p. (978-0152827823, pap.). Understand the sun and the ways it regulates life on Earth. BR6110, DB22321 (may be available only for download)

Gifford, Clive. *Space in 30 Seconds*. Ivy Press, 2013. 96 p. (978-1908005731, pap.). Discover fast-track galactic facts served in energetic bite-size morsels while embarking on exciting mini-missions to challenge your new knowledge.

Griswell, Kim T. *Rufus Blasts Off!* Illustrated by Valeri Gorbachev. Sterling Children's Books, 2017. 40 p. (978-1454920991). Rufus dreams of traveling to space, but is told, "No pigs in space."

Hansen, Grace. *The Milky Way (Our Galaxy)*. Abdo Kids Jumbo, 2017. 24 p. (978-1532100529, lib. bdg.). Our galaxy got its start billions of years ago; learn about its changes since then, its size, and more.

+Hawking, Lucy, and Stephen Hawking. **George Greenby series**. Simon & Schuster Books for Young Readers, 2009–2017. 336-352 p. ISBN's vary, pap. The adventures of a boy and his friends as they travel through a computer portal into outer space, exploring scientific mysteries and dodging evil. DB66970

+Jenkins, Martin. *Exploring Space: From Galileo to the Mars Rover and Beyond*. Illustrated by Stephen Biesty. Candlewick, 2017. 64 p. (978-0763689315). Launch into an out-of-this-world examination of the past, present, and future of humans in space. DB88462

Jennings, Ken. *Outer Space*. Illustrated by Mike Lowery. Little Simon, 2014. 160 p. (978-1481401708, pap.). With great illustrations, cool trivia, and fun quizzes, this guide will have children on their way to whiz-kid status in no time!

Kaner, Etta. *Who Likes the Sun?* Illustrated by Marie Lafrance. Kids Can, 2007. 32 p. (978-1553378402). What is the sun, and how does it transform the world? This informational flap book invites children to explore their world.

\*Keams, Geri. *Grandmother Spider Brings the Sun: A Cherokee Story*. Illustrated by James Bernadin. Cooper Square, 1997. 32 p. (978-0873586948, pap.). After Possum and Buzzard fail, Grandmother Spider succeeds in bringing light to her side of the world.

Kelly, Mark. C. *Mousetronaut Goes to Mars*. Illustrated by C.F. Payne. Paula Wiseman, 2013. 40 p. (978-1442484269). The smallest member of the team, a mouse named Meteor, is ready to rescue an interplanetary adventure.

Krulik, Nancy. *How Do You Pee in Space?* Illustrated by Aaron Blecha. Grosset & Dunlap, 2014. 128 p. (978-0448461137, pap.). A real-life astronaut is coming to visit! Students must complete a physical challenge and come up with three interesting questions to ask.

\*+Lassieur, Allison. *Astronaut Mae Jemison*. LernerClassroom, 2016. 32 p. (978-1512413113, pap.). Discover the life and career of the first African American woman in space. DB86260

Lassieur, Allison. *International Space Station: An Interactive Space Exploration Adventure*. Capstone, 2016. 112 p. (978-1491481387, pap.). Space jobs can be difficult and downright dangerous. Do you have what it takes to join the crew?

Lonely Planet Kids. *How to Be a Space Explorer: Your Out-of-This-World Adventure*. Lonely Planet Kids, 2014. 160 p. (978-1743603901, pap.). Everything young explorers need to know to travel in space, such as life in zero gravity, how to find your way around the solar system, and the all-important question of how to pee in a spacesuit!

\*McDermott, Gerald. *Arrow to the Sun: a Pueblo Indian Tale*. Puffin, 1977. 40 p. (978-0140502114, pap.). Spanish edition: *Flecha Al Sol: Un Cuento de Los Indios Pueblo*. Live Oak Media, 1997. (978-0874994131, pap.) Vibrant colors and bold geometric forms capture the stylized look of Pueblo art in this Caldecott-winning retelling of an ancient legend.

Meier, Anna. *Curious George Discovers the Sun*. Houghton Mifflin Harcourt, 2015. 32 p. (978-0544430679, pap.). George learns about solar power when the city experiences a blackout.

Miles, Brenda S., and Susan D. Sweet. *Cinderstella: A Tale of Planets, Not Princes*. Illustrated by Valeria Docamp. Magination, 2016. 32 p. (978-1433822704). In this modern fairy-tale retelling, Cinderstella is more interested in becoming an astronaut than a princess.

Milgrim, David. *Another Day in the Milky Way*. G.P. Putnam's Sons Books For Young Readers, 2007. 32 p. (978-0399245480). A boy wakes up on a strange planet and encounters a variety of odd characters

as he tries to find his way home.

Mitchell, Chris. *How Do Astronauts Wee in Space?* John Blake, 2016. 192 p. (978-1784186531, pap.). The book contains facts about how planets are formed, the power of stars, and human exploration of space.

Nichols, Michelle. *Astronomy Lab for Kids: 52 Family-Friendly Activities*. Quarry Books, 2016. 144 p. (978-1631591341, pap.). The book includes experiments designed to teach about the solar system and the tools used to explore it.

+O’Ryan, Ray. **Galaxy Zack series**. Multiple titles. Illustrated by Colin Jack. Little Simon, 2013–2016. 128 p. ISBNs vary, pap. Join a space boy as he explores the galaxy in this series of illustrated chapter books. DB85357, DB86671, DB87538, DB90209

Paris, Stephanie. *21st Century: Mysteries of Deep Space*. Teacher Created Materials, 2013. 64 p. (978-1433349003, pap.). Readers will learn about the effect gravity has on the galaxy’s inner and outer planets, comets, asteroids, and constellations, as well as the ways scientists are learning about the vast universe.

Rader, Andrew. *Mars Rover Rescue: Epic Space Adventure*. Illustrated by Galen Frazer. StoryBook Genius, 2017. 60 p. (978-1941434567, pap.). Giraffestronaut and Robot form a rescue party to search for the missing Mars rover.

Rau, Dana Meachen. *The Milky Way and Other Galaxies*. Compass Point, 2005. 32 p. (978-0756508531, lib. bdg.). This science primer describes the composition, study, and parts of galaxies.

Reeve, Phillip, and Sarah McIntyre. *Cakes in Space*. Yearling, 2016. 240 p. (978-0385387934, pap.). A spaceship’s computer whips up desserts that come to life and cause trouble.

Roeser, Matt. *Oh No, Astro!* Illustrated by Brad Woodard. Simon & Schuster for Young Readers, 2016. 40 p. (978-1481439763). A grumpy asteroid is hit by a passing satellite and sent on what turns out to be a great adventure from the asteroid belt to Earth.

\*Schwartz, Heather E. *Astronaut Ellen Ochoa*. LernerClassroom, 2017. 32 p. (978-1512456271). Learn the story of the first female Hispanic American astronaut.

\*Sherman, Suzanne. *The Milky Way: A River of Stars*. Teacher Created Materials, 2015. 32 p. (978-1480747272, pap.). Spanish edition: *La Via Lactea: Un Rio de Estrellas*. Teacher Created Materials, 2017. (978-1425847210, pap.). Explore discoveries about the stars and galaxies we see in the night sky.

\*+Shetterly, Margot Lee. *Hidden Figures Young Reader’s Edition*. HarperCollins, 2016. 240 p. (978-0062662378, pap.). The powerful story of four African American female mathematicians who helped NASA achieve some of its greatest moments. DB86824

Simon, Seymour. *Galaxies*. Collins, 1991. 32 p. (978-0688109929, pap.). Identifies the nature, locations, movements, and different categories of galaxies, examining the Milky Way and other known examples.

+Simon, Seymour. *Our Solar System*. Collins, 2014. 48 p. (978-0061140105, pap.). Describes the origins, characteristics, and future of the sun, planets, moons, asteroids, meteoroids, and comets. DB40713 (may be available only for download)

Simon, Seymour. *The Sun*. Collins, 2015. 32 p. (978-0062345059, pap.). Describes the nature of the sun and its origin, source of energy, layers, atmosphere, sunspots, and activity.

Stewart, Melissa. *Out of This World Jokes About the Solar System: Laugh and Learn About Science*. Illustrated by Gerald Kelley. Enslow Elementary, 2012. 48 p. (978-1464401664, pap.). Learn fascinating science facts with solar system jokes.

Stine, Megan. *Who Was Sally Ride?* Penguin Workshop, 2013. 112 p. (978-0448466873, pap.). The life and career of the physician and NASA astronaut who became the first American woman in space in 1983.

Trammel, Howard K. *Galaxies*. Scholastic, 2010. 48 p. (978-0531228036, pap.). Readers will learn how galaxies, including the Milky Way, formed and how tools like the Hubble Telescope help scientists map the universe.

Underwood, Deborah. *Interstellar Cinderella*. Illustrated by Meg Hunt. Chronicle, 2015. 40 p. (978-1452125329). In this outer-space adaptation of the fairy tale, Cinderella dreams of becoming a mechanic.

Vandergrift, Adam. *Slime Sorcery: 97 Magical Concoctions Made from Almost Anything—Including Fluffy, Galaxy, Crunchy, Magnetic, Color-Changing and Glow-in-the-Dark Slime*. Ulysses, 2017. 128 p. (978-1612437545, pap.). An encyclopedia of borax-free recipes from the creator of YouTube’s “Will It Slime?”

Viva, Frank. *A Long Way Away: A Two-Way Story*. Little, Brown Books for Young Readers, 2013. 40 p. (978-0316221962). From undersea to outer space, this book can be read in both directions with a happy ending either way.

Wagner, Kathi, and Sheryl Racine. *The Everything Kids’ Astronomy Book*. Adams Media, 2008. 144 p. (978-1598695441, pap.). Explore astronomy with facts, trivia, projects, and puzzles.

Walliman, Dominic. *Professor Astro Cat’s Frontiers of Space*. Illustrated by Ben Newman. Flying Eye, 2013. 64 p. (978-1909263079). Explore gravity, extraterrestrial life, time, and more with the smartest cat in the alley.

+Yolen, Jane. *Commander Toad and the Planet of the Grapes*. Puffin, 1996. 64 p. (978-0698113534, pap.). In search of new worlds to explore, Commander Toad and his crew land their spaceship on a strange planet. DB32119 (may be only available for download)

Zuchora-Walske, Christine. **The Planet series**. Multiple titles. Illustrated by Scott Burroughs. Magic Wagon, 2012. 32 p. ISBNs vary. Pick a planet and jump in your speedy rocket: you’re off to explore each planet’s atmosphere, temperature, orbit, and more.

## Web Resources

**Blind Mice Go to Pluto.** <http://clearinghouse.starnetlibraries.org/collections/DiscoverNASA/Blind-Mice-Go-To-Pluto-072816.pdf>

**The Design Process.**

[http://pbskids.org/designsquad/pdf/parentseducators/workshop/designprocess\\_poster.pdf](http://pbskids.org/designsquad/pdf/parentseducators/workshop/designprocess_poster.pdf)

**How to Make Galaxy Painted Rocks.** [www.colormadehappy.com/2017/07/diy-galaxy-painted-rocks](http://www.colormadehappy.com/2017/07/diy-galaxy-painted-rocks)

**Hubble Telescope Site.** [www.hubblesite.org](http://www.hubblesite.org)

**Make a Solar System Bracelet.** [www.formontana.net/bracelet2.html](http://www.formontana.net/bracelet2.html)

**Make Your Own 3-D Glasses.** [www.thespruce.com/make-your-own-3-d-glasses-1250758](http://www.thespruce.com/make-your-own-3-d-glasses-1250758)

**Mars 3D Images.** <https://mars.nasa.gov/mars3d/>

**McDonald Observatory Activities for Kids.** [www.mcdonaldobservatory.org/teachers/classroom](http://www.mcdonaldobservatory.org/teachers/classroom)

**NASA Space Place.** [www.spaceplace.nasa.gov](http://www.spaceplace.nasa.gov)

**Night Sky Network.** [nightsky.jpl.nasa.gov](http://nightsky.jpl.nasa.gov)

**Observing Cards for Star Party Hosts.** [nightsky.jpl.nasa.gov/download-view.cfm?Doc\\_ID=529](http://nightsky.jpl.nasa.gov/download-view.cfm?Doc_ID=529)

**Planets for Kids—Coding the Planets in Order.** [www.jdaniel4smom.com/2017/05/planets-for-kids-coding-planets-order.html](http://www.jdaniel4smom.com/2017/05/planets-for-kids-coding-planets-order.html)

**Reader’s Theater: Giving Students a Reason to Read Aloud.** [www.readingrockets.org/article/readers-theater-giving-students-reason-read-aloud](http://www.readingrockets.org/article/readers-theater-giving-students-reason-read-aloud)

**Sorting Games: How Big? How Far? How Hot?**

<http://clearinghouse.starnetlibraries.org/collections/Astronomy-Space/Sorting-Games-HowBig-HowFar-HowHot.pdf>

**STAR\_Net Build a Space Colony Activity Guide.**

<http://clearinghouse.starnetlibraries.org/collections/DiscoverSpace/BuildASpaceColony-ActivityGuide.pdf>

**STAR\_Net Trip to Mars Activity Guide.**

<http://clearinghouse.starnetlibraries.org/collections/DiscoverSpace/TripToMars-ActivityGuide-PosterPanels.pdf>

**Straw Rockets (with Free Rocket Template).** [buggyandbuddy.com/straw-rockets-with-free-rocket-template/](http://buggyandbuddy.com/straw-rockets-with-free-rocket-template/)

**Sun Safety.** [www.epa.gov/sunsafety](http://www.epa.gov/sunsafety)

**Trip to Mars Activity Guide.**

<http://clearinghouse.starnetlibraries.org/collections/DiscoverSpace/TripToMars-ActivityGuide-PosterPanels.pdf>

## Movies/DVDs

Gillard, Stuart, director. *Rocketman*. Walt Disney Studios Home Entertainment, 2007. 94 min. (PG)(B000CEPE5A)

Hill, Timothy, director. *Muppets from Space*. Sony Pictures Home Entertainment, 2002. 88 min. (G)(B00000JYLT)

Nelson, Gary, director. *The Black Hole*. Walt Disney Studios Home Entertainment, 2004. 98 min. (PG) (B0001I55SS)

Nye, Bill, actor. *Bill Nye the Science Guy: Outer Space*. Disney Educational, 2010. 26 min (NR) (B0049W8ZK2)

Polish, Michael, director. *The Astronaut Farmer*. Warner Brothers, 2007. 104 min. (PG) (B00005JPLE)

Tokar, Norman, director. *The Cat From Outer Space*. Walt Disney Studios Home Entertainment, 2004. 104 min. (G) (B0001I55OW)

Vince, Robert, director. *Space Buddies*. Walt Disney Studios Home Entertainment, 2009. 84 min. (G)(B001ILFUC8)

Woodley, Aaron, director. *Spark: A Space Tail*. Universal Pictures Home Entertainment, 2017. 92 min. (PG) (B072BPCGDW)

## Music

Beatles. *Abbey Road*. Capitol, 2009. (B0025KVLUQ). Includes the song “Here Comes the Sun.”

Giggle and Hoot. *Giggleicious Favourites*. ABC for Kids, 2015. (B00UC5KDSM). Includes the song “Giggle Galaxy.”

Hope, Charlie. *I’m Me! A Collection of Songs for Children*. Little Maple Leaf Productions, 2009. (Boo2EXMVLN). Includes the song “Mr. Sun.”

Imagination Movers. *Rock-O-Matic*. Razor & Tie, 2012. (B006TXDNO2). Includes the song “Blast Off.”

Raffi. *One Light, One Sun*. Rounder, 1998. (B0000003HM). Includes the song “One Light, One Sun.”

Roberts, Justin. *Great Big Sun*. Carpet Square, 2006. (B0002Y0004). Includes the song “Great Big Sun.”

Roberts, Justin. *Way Out*. Carpet Square, 2005. (B0002IQIV0). Includes the song “Backyard Spaceship.”

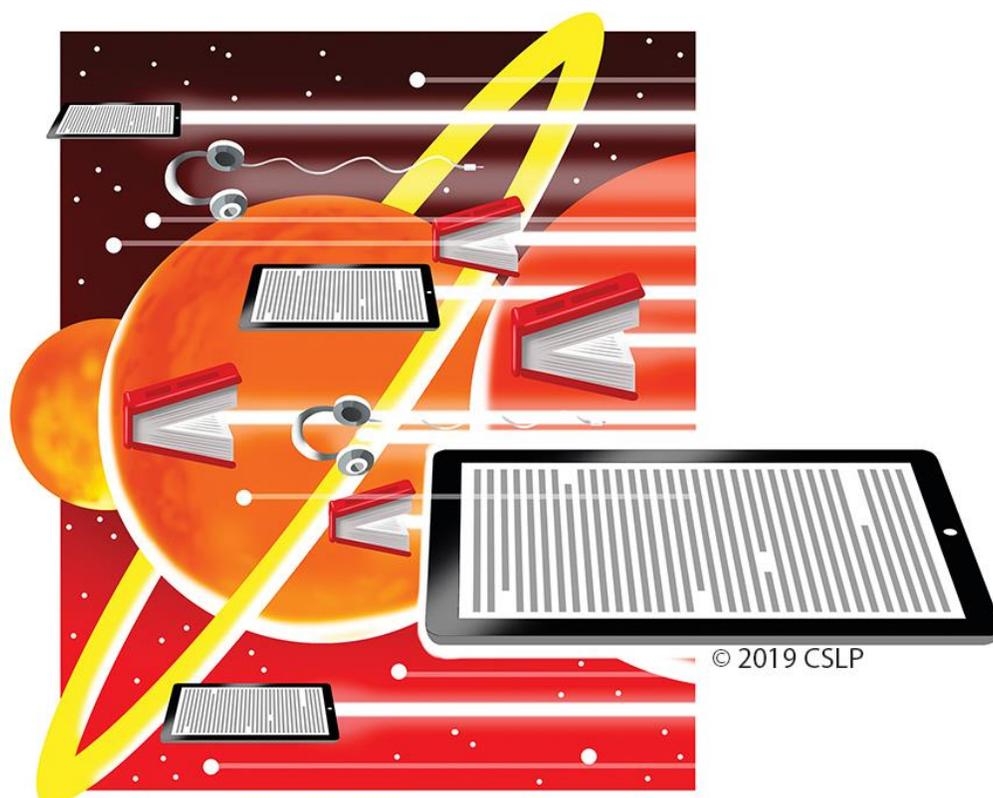
They Might Be Giants. *Here Comes Science*. Disney Sound, 2009. (B002FKZ4UO). Includes the songs “How Many Planets?” and “Why Does the Sun Shine? (The Sun Is a Mass of Incandescent Gas).”

Various artists. *Ready Jet Go! Solar System Songs*. PBS Kids Tunes, 2016. (B01I7AITOM). Includes the song “The Milky Way.”

Wiebe, Harold. *Spaced Out! Songs of the Solar System*. CD Baby, 2016. (B00B0LKWVU).

Zanes, Dan. *House Party*. Five Festival Records, 2016. (B0000CC85J). Includes the song “Sunny Old Sun.”

## ***A Sky Full of Stories***



### **Books**

Asch, Frank. *Star Jumper: Journal of a Cardboard Genius*. Kids Can, 2006. 128 p. (978-1553378877, pap.). Using cardboard, duct tape, old odds and ends, and his amazing scientific imagination, Alex builds a spaceship that will deliver him from his rotten little brother forever.

Askew, Amanda. *The Complete Guide to Space*. Sandy Creek, 2015. 144 p. (978-1435161658). Uncover the mysteries of space, from stars and planets to space travel.

Bird, Michael. *Vincent's Starry Night and Other Stories: A Child's History of Art*. Illustrated by Kate Evans. Laurence King, 2016. 336 p. (978-1780676159). An enthralling journey through world art, from early cave paintings right up to today, with more than 70 tales about artists and their work.

Branley, Franklyn Mansfield. *The Big Dipper*. Illustrated by Molly Coxe. HarperCollins, 1991. 32 p. (978-0064451000). Discover which stars make up the Big Dipper constellation, how its position in the sky changes, and how it points to the North Star.

+Branley, Franklyn Mansfield. *The Sky Is Full of Stars*. Illustrated by Felicia Bond. HarperCollins, 1983. 40 p. (978-0064450027, pap.). Explains how to view stars and how to locate constellations throughout the year. BR5911, DB22902

\*+Burleigh, Robert. *Look Up: Henrietta Leavitt, Pioneering Woman Astronomer*. Illustrated by Raúl Colón. Simon & Schuster, 2013. 32 p. (978-1416958192). Learn about a female pioneer of astronomy who discovered the scientific importance of a star's brightness. BR20035

Butler, M. Christina. *One Starry Night*. Little Tiger Press Group, 2012. 28 p. (978-1848954847, pap.). Hedgehog and friends go on an adventure to see a shower of sparkly shooting stars.

Carle, Eric. *Draw Me a Star*. Puffin, 1998. 40 p. (978-0698116320, pap.). Holding on to his drawing of a star, an artist creates a world of light and possibility.

Chagollan, Samantha. *Starry Skies: Learn About the Constellations Above Us*. Illustrated by Nila Aye. Walter Foster Jr., 2018. 32 p. (978-1633225091). This introduction to astronomy tells about the stars, constellations, and ways to view them.

Dickins, Rosie. *The Usborne Art Treasury*. Usborne, 2007. 96 p. (978-0794514525). Features dazzling art from around the world with related projects to inspire young artists.

Driscoll, Michael. *A Child's Introductions to the Night Sky: The Story of the Stars, Planets, and Constellations—and How You Can Find Them in the Sky*. Illustrated by Meredith Hamilton. Black Dog & Leventhal, 2004. 96 p. (978-1579123666). Whimsical color illustrations with definitions and sidebars help engage younger readers and develop their interest in stars.

\*Dwyer, Mindy. *Aurora: A Tale of the Northern Lights*. Alaska Northwest, 2001. 32 p. (978-0882405490, pap.). After getting lost while following caribou, a girl sets off across the tundra gathering the colors of the sky.

Fancher, Lou. *Star Climbing*. Illustrated by Steve Johnson. HarperCollins, 2006. 32 p. (978-0060739010). Welcome to the magical night world, as a child's imagination soars in a fantastical journey through constellations.

Fishman, Seth. *A Hundred Billion Trillion Stars*. Illustrated by Isabel Greenberg. Greenwillow, 2017. 40 p. (978-0062455789). Our world is full of constantly changing numbers, from a hundred billion trillion stars in space to thirty-seven billion rabbits on Earth.

Ford, Adam. *Stars: A Family Guide to the Night Sky*. Roost, 2016. 48 p. (978-1611802832). A straightforward guide to what we know about the night sky and how we know it, from the big bang to star nurseries and the beginnings of life on Earth.

Fox, Karen C. *Older Than the Stars*. Illustrated by Nancy Davis. Charlesbridge, 2011. 32 p. (978-1570917882, pap.). Stunning illustrations and lively verse tell the story of the cosmic connections that tie humans to the universe's start.

Freitas, Bethany V. *Curious George Discovers the Stars*. HMH Books for Young Readers, 2016. 32 p. (978-0544651647, pap.). When his friend says nobody knows how many stars there are, George is determined to count.

\*Gerber, Carole. *Annie Jump Cannon, Astronomer*. Illustrated by Christina Wald. Pelican, 2011. 32 p. (978-1589809116). A biography of the astronomer who developed a classification system for stars and holds the record for identifying more stars than anyone else.

Gibbons, Gail. *Stargazers*. Holiday House, 1992. 32 p. (978-0823415076, pap.). This book tells what stars are, why they twinkle, how telescopes are used, and more.

\*Goble, Paul. *Star Boy*. Aladdin, 1991. 32 p. (978-0689714993, pap.). In this Blackfoot Indian legend, Star Boy gains the Sun's forgiveness for his mother's disobedience and is allowed to return to the Sky World.

Guettier, Nancy. *Circus in the Sky*. Morgan James Kids, 2013. 36 p. (978-1614486725, pap.). A boy imagines he is the ringmaster of a circus filled with constellations' characters.

Hest, Amy. *On the Night of the Shooting Star*. Illustrated by Jenni Desmond. Candlewick, 2017. 32 p. (978-0763691547). Bunny and Dog live on opposite sides of the fence but finally meet one unusual night.

Hicks, Deron R. *The Van Gogh Deception*. HMH Books for Young Readers, 2017. 320 p. (978-0544759275). In this riveting middle-grade mystery, a boy is discovered in Washington, D.C.'s National Gallery with no idea who he is.

Holub, Joan. *Vincent van Gogh: Sunflowers and Swirly Stars*. Grosset & Dunlap, 2001. 32 p. (978-0448425214, pap.). Explore the ups and downs of Vincent van Gogh's life and art in this colorful report featuring Brad's funny cartoons alongside reproductions of classic paintings.

\*Hort, Lenny. *How Many Stars in the Sky?* Illustrated by James E. Ransome. HarperCollins, 1997. 32 p. (978-0688152185, pap.). One night when Mama is away, Daddy and child seek a good place to count the stars in the night sky.

Hunter, Nick. *Northern Lights*. Heineman, 2013. 32 p. (978-1432975210, pap.). In addition to explaining about the aurora borealis, this book also offers information on the significance of solar storms, the Southern Lights, and what people thought about auroras in the past.

Jeffers, Oliver. *How to Catch a Star*. Philomel, 2004. 32 p. (978-0399242861). Eager to have a star of his own, a boy devises imaginative ways to catch one.

Kelly, Scott. *My Journey to the Stars*. Illustrated by André Ceolin. Crow Books for Young Readers, 2017. 48 p. (978-1524763770). NASA astronaut Scott Kelly takes readers on a journey from his childhood to his record-breaking year among the stars.

Kohl, MaryAnn F., and Kim Solga. *Discovering Great Artists: Hands-On Art for Children in the Styles of the Great Masters*. Chicago Review Press, 1997. 144 p. (978-0935607093, pap.). Featuring more than 150 activities, this guide teaches the styles, works, and techniques of the great masters.

Lawrence, Mike. *Star Scouts*. First Second, 2017. 192 p. (978-1626722804, pap.). A girl bored with Flower Scouts is accidentally abducted by a spunky alien collecting specimens for Star Scouts.

Lee, Fran. *Wishing on a Star: Constellation Stories and Stargazing Activities for Kids*. Gibbs Smith, 2001. 64 p. (978-1586850296, pap.). The night sky is our oldest picture book, and this book retells stories from around the world.

Marzollo, Jean. *Little Bear, You're a Star: A Greek Myth*. Little, Brown, 2005. 32 p. (978-0316741354). This illustrated rendition of Big and Little Bear provides a wonderful introduction to Greek constellation myths.

Mitton, Jacqueline. *Once Upon a Starry Night: A Book of Constellations*. Illustrated by Christina Balit. National Geographic Children's Books, 2009. (978-1426303913, pap.). This book explains the 10 ancient figures whose legends are written large across the universe.

Mitton, Jacqueline. *Zoo in the Sky: A Book of Animal Constellations*. Illustrated by Christina Balit. National Geographic Children's Books, 2006. 32 p. (978-0792259350, pap.). Identify the animals in the stars with this book, learning each constellation's origins, uses, and observation.

\*+Monroe, Jean Guard, and Ray A. Williamson. *They Dance in the Sky: Native American Star Myths*. HMH Books for Young Readers, 2007. 144 p. (978-0618809127, pap.). A collection of star legends from many North American Indian cultures. DB29175

National Gallery of Art. *An Eye for Art: Focusing on Great Artists and Their Work*. Chicago Review Press, 2013. 180 p. (978-1613748978). Introduces children to more than 50 artists and their work in this family-oriented art resource.

\*Nelson, S.D. *The Star People: A Lakota Story*. Harry N. Abrams, 2001. 36 p. (978-0810945845). When Young Wolf and his sister wander from their village and face the danger of a prairie fire, their deceased grandmother appears to guide them.

O'Connor, Jane. *Henri Matisse: Drawing with Scissors*. Illustrated by Jessie Hartland. Grosset & Dunlap, 2002. 32 p. (978-0448425191, pap.). Presents the life and work of Henri Matisse in the form of a child's school report.

\*Oughton, Jerrie. *How the Stars Fell into the Sky: A Navajo Legend*. Illustrated by Lisa Desimini. HMH Books for Young Readers, 1996. 32 p. (978-0395779385, pap.). A retelling of the Navajo legend that explains the patterns of the stars.

Rajczak, Kristen. *Shooting Stars*. Gareth Stevens, 2012. 24 p. (978-1433970368, pap.). Explains what shooting stars are, how they form, and the best times to watch them.

Rao, Joe. *Looking Up! The Science of Stargazing*. Simon Spotlight, 2017. 40 p. (978-1481479172, pap.). This fact-filled early reader makes readers experts on the objects in the sky.

Rau, Dana Meachen. *Spots of Light: A Book About Stars*. Picture Window, 2005. 24 p. (978-1404817340, pap.). An introduction to stars, this book explains how they are made, along with their shapes and colors.

+Ray, Mary Lyn. *Stars*. Beach Lane, 2011. 40 p. (978-1442422490). Explores the wonder of stars,

whether they are in the night sky, on a plant as a promise of fruit to come, or in one's pocket for those days when one does not feel shiny. DB74511

Rocco, John. *Blackout*. Illustrated by Marla Frazee. Disney-Hyperion, 2011. 40 p. (978-1423121909). One hot summer night in the city, all the power goes out. Up on the roof to escape the heat, a family finds the light of stars ... along with so many neighbors it's like a block party.

Rockwell, Anne. *Our Stars*. HMH Books For Young Readers, 2002. 24 p. (978-0152163600, pap.). With gentle text and bright watercolors, this book brings the distant sky a little closer.

Rustad, Martha E.H. *Shooting Stars*. Capstone, 2017. 24 p. (978-1515767589, pap.). Simple text introduces readers to the science behind shooting stars.

Schneider, Howard. *Ultimate Explorer Field Guide: Night Sky*. National Geographic Children's Books, 2016. 160 p. (978-1426325465, pap.). A guide for beginning stargazers, this book includes sky maps and constellation charts, identification tips, and space facts and jokes.

Simon, Seymour. *Stars*. Smithsonian/Collins, 2006. 32 p. (978-0060890018, pap.). This book uses actual photographs to discuss the stars, their composition, and their characteristics.

+Sisson, Stephanie Roth. *Star Stuff: Carl Sagan and the Mysteries of the Cosmos*. Roaring Brook, 2014. 42 p. (978-1596439603). The story of a curious boy who never stopped wondering. BR21054

\*Taylor, Harriet Peck. *Coyote Places the Stars*. Aladdin Picture Books, 1997. 32 p. (978-0689815355, pap.). Coyote arranges the stars in the shapes of his friends.

Tomecek, Steve. *Jump into Science: Stars*. National Geographic Children's Books, 2006. 32 p. (978-0792255819, pap.). A boy and his bike-riding dog embark on a stellar journey to answer their space questions.

VanCleave, Janice. *Janice VanCleave's Astronomy for Every Kid: 101 Easy Experiments That Really Work*. Jossey-Bass, 1991. 240 p. (978-0471535737, pap.). An elementary science experiment book that provides young scientists with safe, workable astronomy projects.

VanCleave, Janice. *Janice VanCleave's Constellations for Every Kid: Easy Activities That Make Learning Science Fun*. Wiley, 1997. 256 p. (978-0471159797, pap.). Describes 20 prominent constellations, explains how to locate them, and provides instructions for related activities.

van Gogh, Vincent. *Vincent's Colors*. Chronicle, 2005. 48 p. (978-0811850995). This book pairs the artist's paintings with his own words, as he described his work in letters to his younger brother, Theo.

Venezia, Mike. *Georgia O'Keefe*. Children's Press, 2015. 31 p. (978-0531212912, pap.). Briefly examines the life and work of the 20th-century artist known for her flower paintings.

Venezia, Mike. *Vincent van Gogh*. Children's Press, 2014. 40 p. (978-0531225394, pap.). Briefly examines the life and work of the 19th-century Dutch painter.

\*Waboose, Jan Bourdeau. *SkySisters*. Illustrated by Brian Deines. Kids Can, 2002. 32 p. (978-1550746990, pap.). Two Ojibway sisters set off across the frozen tundra to see the northern lights.

Wallace, Nancy Elizabeth. *Stars! Stars! Stars!* Two Lions, 2009. 40 p. (978-0761456124). When Minna expresses an interest in stars, her mother suggests she invite a few friends to a star party.

## Movies/DVDs

Castle, Nick, director. *Last Starfighter*. Universal Studios Home Entertainment, 2009. 101 min. (PG) (B0024FADAQ)

Deynes, Bernard, director. *Rainbow Bright and the Star Stealer*. Warner Brothers, 2004. 85 min. (G) (B0002J4ZY6)

Montagne, Edward J., director. *The Reluctant Astronaut*. Universal Studios Home Entertainment, 2003. 103 min. (NR) (B00009VU0F)

Myers, Toni, director. *Imax Hubble*. Warner Brothers, 2013. 44 min. (G) (B004ODLUF8)

## Music/CDs

Berkner, Laurie. *Laurie Berkner Lullabies*. Razer & Tie, 2010. (B00I6JM280). Includes the song “Stars Are Shining.”

Buzz Music. *The Outer Space Album*. Buzz Music, 2017. (B076CC89GY). Includes the song “Just Like a Star.”

Cantor, Rob, and Genevieve Goings. *Disney Junior Music Nursery Rhymes*. Walt Disney Records, 2017. (B074TVYC22). Includes the songs “Star Light, Star Bright” and “Twinkle, Twinkle, Little Star.”

Coldplay. *Ghost Stories*. Parlophone Records, 2014. (B00IR3W52S). Includes the song “Sky Full of Stars.”

Como, Perry. *The Very Best of Perry Como*. BMG Entertainment, 2000. (B00138KC0G). Includes the song “Catch a Falling Star.”

One Republic. *Native*. Mosley Music/Interscope Records, 2013. (B00JOP9TM2). Includes the song “Counting Stars.”

Storybots. *Storybots: Outer Space*. RTOB, 2017. (B06XD3CDDP). Includes the song “I’m a Star.”

Various artists. *Disney Classics*. Walt Disney Records, 2013. (B00G9Y6U3W). Includes the song “When You Wish upon a Star.”

Young, Lois. *Jelly Bean Soup*. Young Songs Entertainment, 2008. (B00GNP4AOS). Includes the song “Pictures in the Night Sky.”

## Web Resources

**Candy Constellation Game.** <http://handmadecharlotte.com/candy-constellation-game-printable>

**Constellation Detective.** [www.astrosociety.org/edu/family/materials/constellationdetective.pdf](http://www.astrosociety.org/edu/family/materials/constellationdetective.pdf)

**Constellation Guide.** <https://stardate.org/nightsky/constellations>

**Constellation Legends.** [www.tcoe.org/scicon/instructionalguide/constellations.pdf](http://www.tcoe.org/scicon/instructionalguide/constellations.pdf)

**Constellation Placemats.** [www.education.com/download-pdf/activity/35444](http://www.education.com/download-pdf/activity/35444)

**Constellation Scopes.** [www.mos.org/sites/dev-elvis.mos.org/files/docs/education/mos\\_starlab-k-2\\_constellation-scopes.pdf](http://www.mos.org/sites/dev-elvis.mos.org/files/docs/education/mos_starlab-k-2_constellation-scopes.pdf)

**Count Your Lucky Stars: Sampling in Astronomy.** <http://astrosociety.org/wp-content/uploads/2012/09/G-6001.pdf>

**DIY Constellation Projector.** <https://playgroundparkbench.com/printable-constellation-cards>

**Free Printable Constellation Cards.** <https://teachbesideme.com/constellation-cards>

**Get Colorful with a Stained Glass Drawing.** [www.education.com/download-pdf/activity/17699](http://www.education.com/download-pdf/activity/17699)

**How Telescopes Work.** <https://science.howstuffworks.com/telescope1.htm>

**How to Grow Crystals.** [www.growingajeweledrose.com/2013/03/how-to-grow-crystals.html](http://www.growingajeweledrose.com/2013/03/how-to-grow-crystals.html)

**How to Make Crystal Stars.** <http://onelittleproject.com/how-to-make-crystal-stars>

**Improv with the Stars!** <http://clearinghouse.starnetlibraries.org/collections/DiscoverNASA/Improv-With-The-Stars-072816.pdf>

**Introduction to Telescopes.** [www.kidsastronomy.com/telescopes.htm](http://www.kidsastronomy.com/telescopes.htm)

**Make Art like Henri Matisse.** [http://kinderart.com/art-lessons/painting/make\\_art\\_like\\_matisse](http://kinderart.com/art-lessons/painting/make_art_like_matisse)

**Make a Star Finder.** <https://spaceplace.nasa.gov/starfinder>

**Make a Telescope.** <https://kids.nationalgeographic.com/explore/nature/make-a-telescope>

**Mindy’s Constellation Exploration.** <http://pbskids.org/readyjetgo/games/mindy>

**Native American Legends: Coyote Places the Stars.** [www.firstpeople.us/FP-Html-Legends/Coyote-Places-The-Stars-Wasco.html](http://www.firstpeople.us/FP-Html-Legends/Coyote-Places-The-Stars-Wasco.html)

**Navigation: The Mariner's Quadrant.**

[http://ponceinlet.org/images/content/pdf/exercises/homemade\\_quadrant.pdf](http://ponceinlet.org/images/content/pdf/exercises/homemade_quadrant.pdf)

**Nuclear Fusion: How Are Elements Created in Stars?**

<https://nightsky.jpl.nasa.gov/docs/SNNuclearFusion.pdf>

**Outer Space Art.** [www.education.com/download-pdf/activity/92362](http://www.education.com/download-pdf/activity/92362)

**Paint like Van Gogh.** <http://kinderart.com/art-lessons/painting/paint-like-van-gogh>

**Recreate Van Gogh's *Starry Night*.** [www.education.com/download-pdf/activity/72003](http://www.education.com/download-pdf/activity/72003)

**Shooting Star.**

[www.lakeshorelearning.com/general\\_content/free\\_resources/teachers\\_corner/projects/shootingStar.jsp?from=funworksheet](http://www.lakeshorelearning.com/general_content/free_resources/teachers_corner/projects/shootingStar.jsp?from=funworksheet)

**Skyline Craft.** [www.education.com/download-pdf/activity/96775](http://www.education.com/download-pdf/activity/96775)

**Space STEM: Shooting Star Spinner Toy.** <https://teachbesideme.com/shooting-star-spinner-toy>

**Stargazing Estimation.** [www.education.com/worksheet/article/stargazing-estimation-first](http://www.education.com/worksheet/article/stargazing-estimation-first)

**Stargazing Live: Star Party Pack.** [http://downloads.bbc.co.uk/tv/stargazinglive/sgl\\_star\\_party\\_pack.pdf](http://downloads.bbc.co.uk/tv/stargazinglive/sgl_star_party_pack.pdf)

**The Story of Icarus.** [www.dltk-kids.com/world/greece/m-story-icarus.htm](http://www.dltk-kids.com/world/greece/m-story-icarus.htm)

**Sun as a Star.** [www.nasa.gov/pdf/145908main\\_Sun.As.A.Star.Guide.pdf](http://www.nasa.gov/pdf/145908main_Sun.As.A.Star.Guide.pdf)

**Theme Station: Stars.** [www.preschooexpress.com/theme\\_station07/stars\\_dec07.shtml](http://www.preschooexpress.com/theme_station07/stars_dec07.shtml)

**Toothpick Star Table Trick—SICK Science.**

[www.stevespanglerscience.com/lab/experiments/toothpick-star-table-trick](http://www.stevespanglerscience.com/lab/experiments/toothpick-star-table-trick)

**Toothpick Trick—Science Experiment for Kids.** [www.rookieparenting.com/toothpick-star-science-experiment](http://www.rookieparenting.com/toothpick-star-science-experiment)

**Unit 2: Sun and Stars.** [www.sedl.org/scimath/pasopartners/pdfs/sun.pdf](http://www.sedl.org/scimath/pasopartners/pdfs/sun.pdf)

**Watercolor Art Activity for Kids Inspired by *How to Catch a Star*.**

<https://buggyandbuddy.com/watercolor-art-activity-kids-inspired-catch-star>

**Worksheet: Paper Stars.** [www.education.com/download/worksheet/117654/paper-stars.pdf](http://www.education.com/download/worksheet/117654/paper-stars.pdf)



## Great Resources for Teens

The following resource lists were created by the Collaborative Summer Library Program (CSLP) for use in support of the 2019 Summer Reading Program at public libraries.

- \* Resource that includes diversity
- + Books provided in alternative formats from the National Library Service for the Blind and Physically Handicapped (NLS)
- ^ Movies/DVDs available with an audio description feature

### ***Take Me To Your Reader***



#### **Books**

Alexander, Chris. *Star Wars Origami: 36 Amazing Paper-Folding Projects from a Galaxy Far, Far Away*. Workman, 2012. 272 p. (978-0761169437, pap.). Chris Alexander provides a variety of *Star Wars* themed origami projects focusing on characters and vehicles from the popular franchise.

Angleberger, Tom. *Art2-D2's Guide to Folding and Doodling (An Origami Yoda Activity Book)*. Amulet Paperbacks, 2016. 192 p. (978-1419720284, pap.). Tom Angleberger provides a wide assortment of drawing and origami-related projects for fans of his Origami Yoda series and *Star Wars* in general.

Brewslaw, Anna. *Scarlett Epstein Hates It Here*. Razorbill, 2017. 288 p. (978-1595148360, pap.). When Scarlett's beloved TV show is canceled and her longtime crush, Gideon, is sucked out of her orbit and into the dark and distant world of Populars, Scarlett turns to the fanfic message boards for comfort. This time, though, her subjects aren't the swoon-worthy stars of her fave series—they're the real-life kids from her high school. Scarlett never considers what might happen if they were to find out what she truly thinks about them ... until a dramatic series of events exposes a very different reality than Scarlett's stories, forever transforming her approach to relationships--both online and off.

Burton, Bonnie. *The Star Wars Craft Book*. Del Rey, 2011. 176 p. (978-0345511164, pap.). Chewbacca Sock Puppets. Ewok Flower Vases. AT-AT Herb Gardens. With *The Star Wars Craft Book*, fans of all

ages and skill levels can bring the best of the galaxy far, far away right into their own homes. Fully illustrated, this guide features a variety of fun and original projects.

Carter, Chip. *Obsessed with Star Trek*. Chronicle, 2011. 320 p. (978-1452101712). This latest title in the wildly popular Obsessed With series is the *Star Trek* fan's ultimate challenge. More than just a trivia book, this interactive game includes an electronic scoring module that allows readers to quiz themselves or compete against a friend. With 2,500 new questions covering the expansive Star Trek universe, it's easy to test who really knows their ships, Spock, and Starfleet. Drawing from the entire television franchise and all the original films with behind-the-scenes scoop on the development of the series and stills from favorite episodes and movies, *Obsessed with Star Trek* is an out-of-this-world treat for Trekkies.

Cartoon Network. *Make Art! (On Purpose) (Steven Universe)*. Cartoon Network, 2017. 32 p. (978-0515157574, pap.). What could a couple of Gems from outer space know about making art? Well, it depends on how you define "art"! The characters of Steven Universe might not find beauty in the same ways that ordinary humans do, but that's what makes them so great! This activity book is full of out-of-the-box art ideas to inspire kids' creativity and show them a new way to look at the world.

\*Castelluci, Cecil. *Don't Cosplay with My Heart*. Scholastic, 2018. 288 p. (978-1338125498). This sweetly snarky, romantic novel follows Edan as she tries to gather the strength to be the hero in her own real life even as she connects with her dream boy at a cosplay convention.

\*Cohn, Rachel. *Nick and Nora's Infinite Playlist*. Ember, 2008. 183 p. (978-0375846144, pap.). Told in alternating chapters, this he said/she said romance is a sexy, funny roller coaster of a story about one date over one very long night with two teenagers who are just trying to figure out who they want to be.

Folmar, David. *Easy Technology Programs for Libraries: 15 Quick and Popular Programs Your Patrons Will Love*. Rowman & Littlefield, 2017. 130 p. (978-1442277496, pap.). This book gives you 15, step-by-step programs, using free online software, that go beyond basic digital literacy, and provides you with all you need for classes that engage the digital natives and computer users in your community.

Gillen, Keiron. *Star Wars: Darth Vader*, vol. 1. Marvel, 2015. 160 p. (978-0785192558, pap.). The original Dark Lord of the Sith stars in his first ongoing series! Ever since Darth Vader's first on-screen appearance, he has become one of pop culture's most popular villains. Now, follow Vader straight from the ending of *A New Hope* into his own solo adventures—showing the Empire's war with the Rebel Alliance from the other side! But when a Dark Lord needs help, who can he turn to? As Vader pursues a very personal vengeance against the Rebels and investigates the Emperor's secret machinations, he clashes with weapons scavenger Aphra and deadly Battle Droids, and returns to Geonosis to build an army. But some very powerful people don't want him to learn the truths he seeks! Guest-starring Jabba the Hutt, Boba Fett, and more!

Good, Kristie. *Epic Cosplay Costumes: A Step-by-Step Guide to Making and Sewing Your Own Costume Designs*. Fons & Porter, 2016. 144 p. (978-1440245770, pap.). Presented in a kitschy, comic-book style, *Epic Cosplay Costumes* combines fantabulous illustrations with all the how-to information you need for creating your own cosplay designs. Award-winning artist Kristie Good (aka Karmada) shares techniques for making must-have pieces to mix and match into original costumes—from hand-sewn garments to armor made with Worbla and EVA foam. In addition to her step-by-step instructions for pulling together attention-grabbing designs, she shares expert advice for making the most of conventions, striking a pose, and strutting your stuff at costume competitions.

Gray, Claudia. *Star Wars: Lost Stars*. Disney Lucasfilm, 2017. 576 p. (978-1368013789, pap.). This thrilling novel offers a macro view of some of the most important events in the *Star Wars* universe, from the rise of the Rebellion to the fall of the Empire. Readers will experience these major moments through the eyes of two childhood friends who have grown up to become an Imperial officer and a Rebel pilot.

Han, Yaya, Allison DeBlasio, and Joey Marsocci. *1,000 Incredible Costume and Cosplay Ideas: A Showcase of Creative Characters from Anime, Manga, Video Games, Movies, Comics, and More*. Quarry, 2013. 320 p. (978-1592536986, pap.). *1,000 Incredible Costume and Cosplay Ideas* provides a broad and detailed glimpse into the ingenious artistry and attention to detail behind some of the most

fabulous costumes you can find. Featuring costumes from popular convention-goers to professional craftspeople, this stunning, photo-filled book by Yaya Han, Joey Marsocci and Allison DeBlasio of Dr. Grymm Laboratories walks you through scads of your favorite characters as imagined and created by fans.

Harper, Benjamin. *Obsessed with Star Wars: Test Your Knowledge of a Galaxy Far, Far Away*. Chronicle, 2015. 320 p. (978-1452136332, pap.). In what detention block was Princess Leia held? What was the diameter of the Death Star? Who retrieved C-3PO's head in the Battle of Geonosis? These questions and more will challenge even the most die-hard *Star Wars* fans. Now available in paperback, this best-selling trivia book of 2,500 original questions covering little-known facts, entertaining quotes, and tough trivia from *Star Wars* Episodes I–VI is the ultimate test for the true *Star Wars* devotee.

Inciarrano, Michelle, and Katy Maslow. *Tiny World Terrariums: A Step-by-Step Guide to Easily Contained Life*. Harry N. Abrams, 2012. 120 p. (978-1584799641, pap.). Terrariums are a vibrant, unique way to inject a little greenery into any home. In *Tiny World Terrariums*, authors Katy and Michelle of Brooklyn's celebrated Twig Terrariums offer step-by-step instructions for building your own, from selecting glass containers to layering soil and filtration to adding moss, succulents, and other plants. To give each terrarium a whimsical, personal touch, Katy and Michelle demonstrate how to use tiny figurines and toys to create to-scale scenes, such as a couple at their wedding, a CSI crime scene, and Central Park in springtime. Photos of gorgeous finished terrariums and detailed instructions will empower anyone—whether green-thumbed or not—to create their own Lilliputian worlds.

Katsuji, Sueko. *Decorative Terrariums: 47 Beautiful Ideas Created with Succulents, Air Plants, Moss and Orchids*. Nippan IPS, 2018. 128 p. (978-4865051391, pap.). *Decorative Terrariums* is a step-by-step guide to creating your own terrarium. By using greenery such as succulents, air plants, moss, orchids and more, you'll learn how to make 47 different beautiful terrarium landscapes. Complete with a plant encyclopedia and basic tips, this book is the perfect starting point for anyone who wants to create their own "miniature world."

\*Lundin, Britta. *Ship It*. Freeform, 2018. 384 p. (978-1368003131, hard.). In this story, told from two viewpoints, Forest, a television actor who needs more fans, and Claire, a teen fan fiction blogger, are teamed to raise his profile despite their disagreement over whether his character is gay.

Maggs, Sam. *The Fangirl's Guide to the Galaxy: A Handbook for Girl Geeks*. Quirk, 2015. 208 p. (978-1594747892). Fanfic, cosplay, cons, books, memes, podcasts, vlogs, OTPs and RPGs and MMOs and more—it's never been a better time to be a girl geek. *The Fangirl's Guide to the Galaxy* is the ultimate handbook for ladies living the nerdy life, a fun and feminist take on the often male-dominated world of geekdom. With delightful illustrations and an unabashed love for all the in(ternet)s and outs of geek culture, this book is packed with tips, playthroughs, and cheat codes, including how to make nerdy friends, rock awesome cosplay, write fanfic with feels, defeat Internet trolls, and attend your first con. Plus, it features insightful interviews with fangirl faves, like Jane Espenson, Erin Morgenstern, Kate Beaton, Ashley Eckstein, Laura Vandervoort, Beth Revis, Kate Leth, and many others.

\*McDonnell, Chris. *Steven Universe: Art & Origins*. Harry N. Adams, 2017. 240 p. (978-1419724435). *Steven Universe: Art & Origins* is the first book to take fans behind the scenes of the groundbreaking and boundlessly creative Cartoon Network animated series *Steven Universe*. The eponymous Steven is a boy who—alongside his mentors, the Crystal Gems (Garnet, Amethyst, and Pearl)—must learn to use his inherited powers to protect his home, Beach City, from the forces of evil. Bursting with concept art, production samples, early sketches, storyboards, and exclusive commentary, this lavishly illustrated companion book offers a meticulous written and visual history of the show, as well as an all-access tour of the creative team's process. *Steven Universe: Art & Origins* reveals how creator Rebecca Sugar, the writers, the animators, and the voice actors work in tandem to bring this adventure-packed television series to life.

\*Moldavsky, Goldy. *Kill the Boy Band*. Point, 2017. 320 p. (978-0545867504, pap.). From thrilling new talent Goldy Moldavsky comes a pitch-black, hilarious take on fandom and the badass girls who have the power to make—or break—the people we call "celebrities."

Moser, JoAnn. *Mason Jar Nation: The Jars That Changed America and 50 Clever Ways to Use Them*

**Today.** Cool Springs, 2016. 144 p. (978-1591866527, pap.). Learn how to make more than 50 mason jar projects, including luminaries, planters, and upcycled art.

Poston, Ashley. **Geekerella.** Quirk, 2017. 320 p. (978-1594749933, pap.). Part romance, part love letter to nerd culture, and all totally adorbs, *Geekerella* is a fairy tale for anyone who believes in the magic of fandom. Geek girl Elle Wittimer lives and breathes *Starfield*, the classic sci-fi series she grew up watching with her late father. So when she sees a cosplay contest for a new *Starfield* movie, she has to enter. The prize? An invitation to the ExcelsiCon Cosplay Ball, and a meet-and-greet with the actor slated to play Federation Prince Carmindor in the reboot. With savings from her gig at the Magic Pumpkin food truck (and her dad's old costume), Elle's determined to win ... unless her stepsisters get there first. Teen actor Darien Freeman used to live for cons—before he was famous. Now they're nothing but autographs and awkward meet-and-greets. Playing Carmindor is all he's ever wanted, but the *Starfield* fandom has written him off as just another dumb heartthrob. As ExcelsiCon draws near, Darien feels more and more like a fake—until he meets a girl who shows him otherwise.

Priest, Cherie. **I Am Princess X.** Scholastic, 2016. 227 p. (978-1338032352, pap.). Best friends Libby Deaton and May Harper invented Princess X when they were in fifth grade, but when the car Libby is in goes off a bridge, she is presumed dead, and the story came to an end—except now, three years later, Princess X is suddenly everywhere, with a whole underground culture focused on a webcomic, and May believes her friend must be alive.

Revis, Beth. **Star Wars: Rebel Rising.** Disney Lucasfilm, 2017. 416 p. (978-1484780831). When Jyn Erso was five years old, her mother was murdered and her father taken from her to serve the Empire. But despite the loss of her parents, she is not completely alone—Saw Garrera, a man willing to go to any extremes necessary to resist Imperial tyranny, takes her in as his own and gives her not only a home but all the abilities and resources she needs to become a rebel herself. Jyn dedicates herself to the cause—and the man. But fighting alongside Saw and his people brings with it danger and the question of just how far Jyn is willing to go as one of Saw's soldiers. When she faces an unthinkable betrayal that shatters her world, Jyn will have to pull the pieces of herself back together and figure out what she truly believes in ... and who she can really trust.

\*Rowell, Rainbow. **Eleanor & Park.** St. Martin's Griffin, 2013. 336 p. (978-1250064875, hard.). Eleanor is the new girl in town, and she's never felt more alone. All mismatched clothes, mad red hair, and chaotic home life, she couldn't stick out more if she tried. Then she takes the seat on the bus next to Park. Quiet, careful, and—in Eleanor's eyes—impossibly cool, Park's worked out that flying under the radar is the best way to get by. Slowly, steadily, through late-night conversations and an ever-growing stack of mixed tapes, Eleanor and Park fall in love. They fall in love the way you do the first time, when you're 16, and you have nothing and everything to lose. Set over the course of one school year in 1986, Eleanor and Park is funny, sad, shocking and true - an exquisite nostalgia trip for anyone who has never forgotten their first love.

Rowell, Rainbow. **Fangirl.** St. Martin's Griffin, 2013. 448 p. (978-1250030955, hard.). In Rainbow Rowell's *Fangirl*, Cath is a Simon Snow fan. Okay, the whole world is a Simon Snow fan, but for Cath, being a fan is her life—and she's really good at it. She and her twin sister, Wren, ensconced themselves in the Simon Snow series when they were just kids; it's what got them through their mother leaving. Reading. Rereading. Hanging out in Simon Snow forums, writing Simon Snow fan fiction, dressing up like the characters for every movie premiere. Cath's sister has mostly grown away from fandom, but Cath can't let go. She doesn't want to. Now that they're going to college, Wren has told Cath she doesn't want to be roommates. Cath is on her own, completely outside of her comfort zone. She's got a surly roommate with a charming, always-around boyfriend, a fiction-writing professor who thinks fan fiction is the end of the civilized world, a handsome classmate who only wants to talk about words . . . And she can't stop worrying about her dad, who's loving and fragile and has never really been alone. For Cath, the question is: Can she do this? Can she make it without Wren holding her hand? Is she ready to start living her own life? Writing her own stories? And does she even want to move on if it means leaving Simon Snow behind?

\*Sugar, Rebecca. **The Answer.** Cartoon Network, 2016. 32 p. (978-0399541704, hard.). This *New York*

*Times* best-selling storybook by *Steven Universe* creator Rebecca Sugar explores the meaning of love as Ruby and Sapphire look to build a new life on a strange planet called Earth. Dazzling illustrations from show artists Elle Michalka and Tiffany Ford capture Ruby and Sapphire's wonder and surprise as their story takes a course that fate never planned for them. *The Answer* is not only a charming love story, but also tells the origin of Garnet, leader of the Crystal Gems. Garnet's story of self-discovery will be treasured by *Steven Universe* fans of all ages.

\*Sugar, Rebecca. *Guide to the Crystal Gems*. Cartoon Network, 2015. 96 p. (978-0843183160). The Crystal Gems—Garnet, Amethyst, and Pearl—are three of the toughest heroes on earth. They are also mentors to Steven Universe, a gem/human hybrid boy whose mother was a great Gem leader. This guide, told from Steven's point of view and written by the show's very own creator, Rebecca Sugar, is packed with facts about the Crystal Gems' powers, abilities, and origins. It also includes original art and a special introduction by Rebecca Sugar.

Takahara, Miyuu and Kenji Weston. *Cosplay—The Beginner's Masterclass: A Guide to Cosplay Culture & Costume Making: Finding Materials, Planning, Ideas, How to Make Clothing, Props & Enjoy Conventions*. Createspace, 2015. 304 p. (978-1502589736, pap.). Veterans in the field of costume design, Miyuu Takahara and Kenji Weston have for years designed and created their own striking cosplays. They frequently attend large-scale anime and other themed conventions in Osaka, Tokyo and Los Angeles, and feel privileged to have experienced cosplaying in both the East and West. Kenji's personal cosplay preference is Marvel and Capcom characters, while Miyuu has had an abiding devotion to anime and manga since her childhood. Both share one great quality: enormous experience, giving all kinds of advice and knowledge to fellow cosplayers. Building on this trait, the pair teamed up and began writing short primer posts on web forums, advising others on certain subjects on which they became authoritative. The ultimate step came in 2015, when they teamed up to publish *Cosplay—The Beginner's Masterclass*, a lengthy book that offers guidance on all major aspects of cosplaying.

Tash, Sarvenaz. *The Geek's Guide to Unrequited Love*. Simon & Schuster Books for Young Readers, 2017. 272 p. (978-1481456548, pap.). John Hughes meets Comic Con in this novel about a teenager who is trying to get his best friend to fall in love with him that's an "unabashed love letter and delightful inside joke for comic enthusiasts."

Various. *Doctor Who: Origami*. Penguin Group UK, 2017. 264 p. (978-1405928939, pap.). Fold your own models of the Doctor, the Tardis and monsters from all across time and space, with this brilliant *Doctor Who* origami book. Follow the easy instructions to make a moving time rotor, a terrifying Weeping Angel, a brilliant bow tie, a miniature K-9, and so much more. Containing over 30 origami folding projects plus 60 printed origami paper sheets, this is the ideal creative title for any *Doctor Who* fan.

Various. *Doctor Who: Who-ology*. Penguin Group UK, 2013. 384 p. (978-1849906197). Who are the members of the Doctor's family? What are the 20 best ways to defeat a Dalek? What are the galactic coordinates of Gallifrey? Packed with amazing facts, figures and stories, *Who-ology* is an unforgettable journey through fifty years of *Doctor Who*. Test your knowledge of the last Time Lord and the planets he's visited, from Totters Lane to Trenzalore. Get lost in guides to UNIT call signs, the inner workings of sonic screwdrivers, and a complete list of *Doctor Who* monsters and their creators. *Who-ology* is an utterly unique tour of space and time.

\*Wilde, Jen. *Queens of Geek*. Swoon Reads, 2017. 288 p. (978-1250111395, pap.). Three friends go to a convention and find love—and themselves.

\*Wilson, G. Willow and Adrian Alphona. *Ms. Marvel*, vol. 1: *No Normal*. Marvel, 2014. 120 p. (978-0785190219, pap.). Kamala Khan is an ordinary girl from Jersey City—until she's suddenly empowered with extraordinary gifts. But who truly is the new Ms. Marvel? Teenager? Muslim? Inhuman? Find out as she takes the Marvel Universe by storm! When Kamala discovers the dangers of her newfound powers, she unlocks a secret behind them, as well. Is Kamala ready to wield these immense new gifts? Or will the weight of the legacy before her be too much to bear? Kamala has no idea, either. But she's comin' for you, New York!

\*Zappia, Francesca. *Eliza and Her Monsters*. Greenwillow, 2017. 400 p. (978-0062290137, hard.).

Eighteen-year-old Eliza Mirk is the anonymous creator of *Monstrous Sea*, a wildly popular webcomic, but when a new boy at school tempts her to live a life offline, everything she's worked for begins to crumble.

## Web Resources

**Cosplay.com.** <http://cosplay.com>. An online forum for those who cosplay, including ideas for costumes as well as tips for participating in a contest and the judging criteria for some contests.

**Cubecraft.** [www.cubecraft.com](http://www.cubecraft.com). Created by Christopher Beaumont, this site has a wide assortment of pop culture character designs available for free download. Be sure to check out the "About" and "FAQ" sections of the site before getting started.

**Decorate a Mason Jar Bank.** <https://makeandtakes.com/decorate-a-mason-jar-bank>. Includes basic instructions for decorating a mason jar piggy bank.

**DIY Death Star Paper Lantern.** [www.paperlanternstore.com/diydestpala.html](http://www.paperlanternstore.com/diydestpala.html). Provides steps and images for creating a paper lantern Death Star for *Star Wars* parties.

**DIY Piggy Bank Jar.** [www.ds-sv.org/diy-piggy-bank-jar/](http://www.ds-sv.org/diy-piggy-bank-jar/). Provides instructions and examples of various theme-based mason jar piggy banks.

**DIY Star Wars Glow Stick Lightsabers.** <https://felldownasinkhole.wordpress.com/2017/06/21/diy-star-wars-glow-stick-lightsabers/>. Provides step-by-step instructions for making a glow stick lightsaber using simple supplies.

**Do Memes Violate Copyright Law?** [www.thelawtog.com/memes-violate-copyright-law/](http://www.thelawtog.com/memes-violate-copyright-law/). Blog post created in 2016 that provides basic information about memes and copyright.

**Doctor Who Trivia Contest.** [www.programminglibrarian.org/programs/doctor-who-trivia-contest](http://www.programminglibrarian.org/programs/doctor-who-trivia-contest). Provides planning steps and advice for hosting a Doctor Who trivia contest for audiences of teen and up.

**eMedia Law Insider.** [www.emedialaw.com/do-you-even-meme-bro-the-law-of-internet-memes/](http://www.emedialaw.com/do-you-even-meme-bro-the-law-of-internet-memes/). Brief Internet article from 2017 that provides information about memes and copyright.

**Free Jeopardy! Powerpoint Templates.** [www.thebalance.com/free-jeopardy-powerpoint-templates-1358186](http://www.thebalance.com/free-jeopardy-powerpoint-templates-1358186). Lists an assortment of Jeopardy-inspired templates that could be used to run a trivia contest using laptops and projectors.

**Glow Stick Saber.** [www.instructables.com/id/GLOW-STICK-SABER/](http://www.instructables.com/id/GLOW-STICK-SABER/). Provides instructions on how to make glow stick lightsabers using elaborate templates and tools.

**How to Host a Teen Trivia Program.** <https://anotherlibblog.wordpress.com/2013/11/27/how-to-host-a-teen-trivia-program/>. Provides helpful tips on how to organize and run a trivia program for teens.

**How to Make a Cubecraft.** [www.youtube.com/watch?v=HmHNL6bGEPE](http://www.youtube.com/watch?v=HmHNL6bGEPE). There are a variety of how-to videos for making cubecrafts available on YouTube.

**How to Make a Terrarium.** [www.apartmenttherapy.com/how-to-make-a-terrarium-139860](http://www.apartmenttherapy.com/how-to-make-a-terrarium-139860). Provides instructions on how to make and care for a terrarium.

**How to Make a Terrarium.** [www.realsimple.com/home-organizing/gardening/indoor/how-make-terrarium](http://www.realsimple.com/home-organizing/gardening/indoor/how-make-terrarium). A straightforward visual guide to making a terrarium.

**How to Write the Best Fanfic.** <https://hobbylark.com/fandoms/How-To-Write-A-Good-Fanfic>. Provides some basic advice and do's and don'ts for creating fanfiction.

**Interfilk.** [www.interfilk.org](http://www.interfilk.org). Nonprofit organization that promotes cultural exchange and supports the filking community.

**Kapwing.** <http://kapwing.com>. Free meme generator that also offers sound effects and stop-motion clip making.

**Make a Meme.** <http://makeameme.org>. Free meme generator that is also available as an app for Apple products.

**Make a Mixtape.** [www.wikihow.com/Make-a-Mixtape](http://www.wikihow.com/Make-a-Mixtape). Discusses the process of creating a physical or digital mixtape.

**Make Your Own Glowing Star Wars Lightsaber.** <https://artscrackers.com/2015/08/07/make-your-own-glowing-star-wars-lightsaber/>. A how-to guide for making glow stick lightsabers using nail polish as a key ingredient.

**Mason Jar Piggy Bank.** [www.freebiefindingmom.com/mason-jar-piggy-bank/](http://www.freebiefindingmom.com/mason-jar-piggy-bank/). An example of how to make a R2-D2 mason jar piggy bank.

**Mason Jar Piggy Bank.** <http://livingtothefullest.com/mason-jar-piggy-bank/>. Basic instructions for converting a mason jar into a piggy bank.

**Meme Generator.** <http://memegenerator.net>. Free meme generator that has the ability to link with social media via Facebook.

**Microsoft Meme Generator.** [www.microsoft.com/en-us/store/p/meme-generator/9wzdncrfjcm0](http://www.microsoft.com/en-us/store/p/meme-generator/9wzdncrfjcm0). Free app/program that you can download and use with Microsoft products.

**Mystery Science Theater 3000.** [www.mst3k.com/](http://www.mst3k.com/). Current *Mystery Science Theater 3000* website with video clips for librarians to watch who are not familiar with this program.

**The Nerdist: Cosplay.** <https://nerdist.com/tag/cosplay/>. Part of the online Nerdist community with various examples of detailed cosplay.

**Ohio Valley Filk Fest 33.** <http://ovff.org/ovff33/filk-resources.html>. Ohio Valley Filk Fest resource page that includes links to different filking groups, conventions, and other tips.

**Pinterest: Cosplay.** [www.pinterest.com/explore/cosplay](http://www.pinterest.com/explore/cosplay). Plenty of ideas ranging from simple to elaborate costumes.

**Playlist Builder.** <http://playlists.net/useful-stuff/the-ultimate-guide-to-making-great-playlists>. Provides tips for creating and maintaining a music playlist.

**RiffTrax.** [www.rifftrax.com/](http://www.rifftrax.com/). Created because of the popularity of *Mystery Science Theater 3000*, this website offers registered users the ability to purchase access to pre-created comedy tracks that play along with a movie.

**Shaven Wookiee.** [www.shavenwookie.com/swrhps/](http://www.shavenwookie.com/swrhps/). Scripts that can be used for audience participation when watching *Star Wars*.

**Star Wars BB-8 Paper Lantern.** <https://desertchica.com/star-wars-bb-8-paper-lantern/>. Provides step-by-step instructions for creating a BB-8 paper lantern character.

**Steven Universe Tectonic Plate Theory.** <https://medium.com/@justinboden/steven-universe-tectonic-plate-theory-d7183a8317b0>. An interesting look at the possible science and geography of *Steven Universe*.

**Steven Universe Terrarium.** <https://imgur.com/a/rr8to>. A visual guide to creating a terrarium based on *Steven Universe*.

**Tween Programming—Are You Smarter Than a Librarian Trivia Night.** <https://legolibrarian.com/2017/03/13/tween-programming-are-you-smarter-than-a-librarian-trivia-night/>. Provides insight on hosting a trivia program for teens.

**Wikipedia: Mystery Science Theater 3000.** [https://en.wikipedia.org/wiki/Mystery\\_Science\\_Theater\\_3000](https://en.wikipedia.org/wiki/Mystery_Science_Theater_3000). General overview of *Mystery Science Theater 3000* for those who may not be familiar with the program.

**World Cosplay Summit.** [www.worldcosplaysummit.jp/en/](http://www.worldcosplaysummit.jp/en/). Website for the World Cosplay Summit. Site includes information about their judging criteria and participation regulations.

**Writing Fanfiction.** [www.readwritethink.org/parent-afterschool-resources/activities-projects/writing-fanfiction-30647.html?main-tab=1#tabs](http://www.readwritethink.org/parent-afterschool-resources/activities-projects/writing-fanfiction-30647.html?main-tab=1#tabs). Provides an overview of fan fiction for parents and teachers and includes tips for how to encourage students to use fan fiction as a writing exercise.

## ***Shoot for the Moon***



### **Books**

Abadzis, Nick. *Laika*. First Second, 2007. 208 p. (978-1596431010). Laika was the abandoned puppy destined to become Earth's first space traveler in the Soviet's Sputnik program. Abadzis masterfully blends fiction and fact in the intertwined stories of three compelling lives, giving life to a pivotal moment in modern history.

Anderson, M.T. *Feed*. Candlewick, 2012. 299 p. (978-0763662622). Identity crises, consumerism, and star-crossed teenage love in a futuristic society where people connect to the Internet via feeds implanted in their brains.

Aveni, Anthony. *In the Shadow of the Moon: The Science, Magic, and Mystery of Solar Eclipses*. Yale University Press, 2017. 328 p. (978-0300223194). Aveni explains the science behind the phenomenon, tracks eclipses across the ancient world, and examines the roles of solar eclipses in modern times to reveal the profound effects these cosmic events have had on human history. Colored by his own experiences—Aveni has witnessed eight total solar eclipses in his lifetime—his account of astronomy's most storied phenomenon will enthrall anyone who has looked up at the sky with wonder.

Bao, Karen. **Dove Chronicles series**. Multiple titles. Speak (Reprint Edition), 2016–2017. 320–352 p. (ISBNs vary, pap.). Book 1 of Series: Phaet Theta's Plan: Live peacefully in the lunar colony, work hard, become a scientist, and enjoy a quiet future off the government's radar. Then her mother is arrested. The New Plan: Enlist in the militia, learn everything she can from top trainee Wes, and become the youngest militia captain in history so she can save her family. It all seems perfect until Phaet's logically ordered world begins to crumble.

Chaikin, Andrew. *Mission Control, This Is Apollo: the Story of the First Voyage to the Moon*. Viking Books for Young Readers, 2009. 128 p. (978-0670011568). Recounts space history from the Mercury missions through Apollo 17 and beyond. It is illustrated with stunning full-color paintings by astronaut Alan Bean, who walked on the moon with Pete Conrad on Apollo 12 and has devoted his post-NASA life to creating art. Handsome, informative, and dramatic, this is no textbook; it is the tale of humankind's greatest adventure in the last frontier: space.

Close, Frank. *Eclipse: Journeys to the Dark Side of the Moon*. Oxford University Press, 2017. 208 p. (978-0198795490). Explains why eclipses happen; reveals their role in history, literature, and myth; and introduces us to eclipse chasers, who travel with ecstatic fervor to some of the most inaccessible places on the globe. The book also includes the author's quest to solve a 3,000-year-old mystery: how did the moon move backward during a total solar eclipse, as claimed in the Book of Joshua?

Cole, Michael D. *The Moon: Earth's Companion in Space (Countdown to Space)*. Enslow, 2001. 48 p. (978-0766015104). Beginning with Neil Armstrong's historic first step on the moon, describes the moon's features, surface, and phases, and discusses manned and unmanned missions to the moon.

Cunningham, Daryl. *How to Fake a Moon Landing: Exposing the Myths of Science Denial*. Harry N. Abrams, 2013. 176 p. (978-1419706899). Is hydrofracking really safe? Is climate change real? Did the moon landing really happen? How about evolution: fact or fiction? Author-illustrator Darryl Cunningham looks at these and other hot-button science topics and presents a visual assessment of current thinking and research on eight different issues everybody's arguing about.

Dell, Pamela. *Man on the Moon: How a Photograph Made Anything Seem Possible*. Compass Point, 2011. 64 p. (978-0756544478). It is a bizarrely beautiful image: a man in a spacesuit stands isolated in an alien world. His companion, the photographer, and their landing craft are reflected in his visor. This photograph, taken by Neil Armstrong of fellow astronaut Buzz Aldrin, is the most famous documentation of America's 1969 moon landing. But to people in every country on Earth, it represented—and still does represent—so much more. The man in the photograph was hundreds of thousands of miles away from his home planet. He had conquered another world. It was, as Armstrong said, a “giant leap for mankind.” The photo of this historic event remains one of the most powerful and inspiring representations of the achievements of humankind.

Diaz, Stephanie. **Extraction series**. Multiple titles. St. Martin's Griffin, 2014–2015. 320–416p. (ISBNs vary, pap.). Clementine has spent her whole life preparing for her 16th birthday when she'll be tested for Extraction, in the hopes of being sent from Kiel's toxic Surface to the much safer Core, where people live without fear or starvation. When she proves promising enough to be “Extracted,” she must leave without Logan, the boy she loves. Torn apart from her only sense of family, Clem promises to come back and save him from brutal Surface life. What she finds initially at the Core is a utopia compared to the Surface—it's free of hard labor, gun-wielding officials, and the moon's lethal acid—but life is anything but safe, and Clementine learns that the planet's leaders are planning to exterminate Surface dwellers—and that means Logan, too.

Foster, Caxton C. *The Orrery: Computer Models of Astronomical Systems*. Willmann-Bell, 1999. 317 p. (978-0943396651). This book tells you how to exploit the power of the computer to model dozens of astronomical systems. BASIC software (on disk) includes both source and executable files.

Gardner, Sally. *Maggot Moon*. Candlewick, 2014. 288 p. (978-0763671693). A teenager risks all to expose the truth about a heralded moon landing. What if the football hadn't gone over the wall? On the other side of the wall, there is a dark secret. And the devil. And the Moon Man. And the Motherland doesn't want anyone to know. But Standish Treadwell—who has different-colored eyes, can't read, can't write, and isn't bright—sees things differently than the rest of the “train-track thinkers.” So when Standish and his only friend and neighbor, Hector, make their way to the other side of the wall, they see what the Motherland has been hiding. And it's big.

Harstad, Johan. *172 Hours of the Moon*. Little, Brown Books for Young Readers, 2013. 384 p. (978-0316182898). It's been decades since anyone set foot on the moon. Now three ordinary teenagers, the winners of NASA's unprecedented, worldwide lottery, are about to become the first young people in space and change their lives forever.

Henes, Donna. *The Moon Watcher's Companion: Everything You Wanted to Know About the Moon & More*. Da Capo Press, 2004. 144 p. (978-1569244661). In *The Moon Watcher's Companion*, urban shaman, writer, and teacher Donna Henes enlivens the imaginations of those who have contemplated the moon by providing poems, drawings, stories, ancient wisdom, and scientific findings from a diverse blend of people and cultures throughout the world. Bringing together a wide range of writings about the moon, from Mother Goose to Joseph Campbell, Galileo to Audre Lorde, Sappho to Black Elk, as well as providing a comprehensive encyclopedia of lunar terminology, a timeline of lunar explorations, and three sections that detail the moon's faces, phases, and known facts, author Hene has created a fascinating compendium of lunar science, myth, folklore, poetry, curious facts, and old wives' wisdom culled from cultures throughout the ages.

Hilton, Marilyn. *Full Cicada Moon*. Puffin, 2017. 400 p. (978-0147516015). In 1969, 12-year-old Mimi

and her family move to an all-white town in Vermont, where Mimi's mixed-race background and interest in "boyish" topics like astronomy make her feel like an outsider.

Irvine, Alex. *The Far Side of the Moon: The Story of Apollo 11's Third Man*. Tilbury House, 2017. 64 p. (978-0884484523). This graphic retelling of the Apollo 11 moon-landing mission follows astronaut Michael Collins, commander of the lunar orbiter, to the far side of the moon.

Kluger, Jeffrey. *Apollo 8: The Thrilling Story of the First Mission to the Moon*. Henry Holt, 2017. 320 p. (978-1627798327). The story of Apollo 8, humankind's first flight to the moon.

Kluger, Jeffrey, and Ruby Shamir. *To the Moon! : The True Story of the American Heroes on the Apollo 8 Spaceship*. Philomel, 2018. 288 p. (978-1524741031). This book about the exciting and inspiring true story of Apollo 8, the first crewed spaceship to break free of Earth's orbit and reach the moon, tells the story of these three brave men, the frantic rush to get their rocket ready, and the journey that gave the American people—and the world—a new look at the planet we live on and the corner of space we inhabit.

Lapointe, Stephanie. *Grandfather and the Moon*. Groundwood, 2017. 100 p. (978-1554989614). This moving graphic novel tells the story of the affection between a girl and her grandfather. When the grandfather withdraws in grief after his wife dies, the girl is determined to live life fully herself and enters an extraordinary contest—the result is a sensitive portrayal of pursuing a dream.

Maizel, Rebecca. *Between Us and the Moon*. HarperTeen, 2015. 384 p. (978-0062327611). Just before spending her 16th summer on Cape Cod, Sarah's boyfriend breaks up with her, and as a scientist whose focus is on winning a scholarship through her study of a comet, she designs an experiment to become more like her older sister to see if she, too, can be popular.

McCully, James Greig. *Beyond the Moon: A Conversational Common Sense Guide to Understanding the Tides*. World Scientific, 2006. 304 p. (978-9812566447). A comprehensive, easily readable explanation of the tides on Earth that is both simple enough for students and solid enough for their professors. Step by step, by analogy and illustration, *Beyond the Moon* describes how the cyclical motion of the near solar system is impressed upon the earth's oceans, and how the hydraulics over the continental shelf and the geography of the coastline orchestrate this rhythm into the bewildering variety of tide patterns seen around the globe. This volume demystifies the complexity of the tides by systematically examining their many constituents and demonstrates that: Nature is, at once, awesome in complexity and beautiful in simplicity.

Miller, Derek. *Earth, Sun, and Moon: Cyclic Patterns of Lunar Phases, Eclipses, and the Season*. Cavendish Square, 2017. 112 p. (978-1502622914). *Earth, Sun, and Moon: Cyclic Patterns of Lunar Phases, Eclipses, and the Seasons* explains the cycles that affect our daily lives and how the major figures in astronomy used the scientific method to prove their theories about these cycles in accordance with Next Generation Science Standards.

Miller, Ron. *Earth and the Moon*. 21st Century, 2003. 96 p. (978-0761323587). Chronicles the origin, evolution, and exploration of the earth and the moon, and discusses their composition, their place in our solar system, and more.

Mitton, Jacqueline. *Moon*. DK Children, 2009. 72 p. (978-0756645427). Moon takes a look at Earth's moon from a variety of perspectives—its physical structure, its meaning to humans, and the incredible journeys astronauts have made to its surface.

Nelson, Craig. *Rocket Man: The Epic Story of the First Men on the Moon*. Penguin, 2010. 416 p. (978-0143117162). The thrilling story of the Apollo moon mission restores the mystery and majesty to an event that may have become too familiar for most people to realize what a stunning achievement it represented in planning, technology, and execution.

Nordgren, Tyler. *Sun, Moon, Earth: The History of Solar Eclipses, from Omens of Doom to Einstein and Exoplanet*. Basic, 2016. 264 p. (978-0465060924). On April 8, 2024, millions of Americans will experience an awe-inspiring phenomenon: a total eclipse of the sun. In *Sun, Moon, Earth*, astronomer Tyler Nordgren illustrates how this most seemingly unnatural of natural phenomena was transformed from a fearsome omen to a tourist attraction. From the astrologers of ancient China and Babylon to the

high priests of the Maya, *Sun, Moon, Earth* takes us around the world to show how different cultures interpreted these dramatic events.

Okim, Tim. *Earth Rotation with the Naked Eye: How to Understand Rotation, Spherical Earth, Moon-Shape, Day and Night and Planet Location Without a Telescope*. Independently published, 2017. 32 p. (978-1521937020). This book makes a conscious attempt to use illustrations, explanations, analogies, and other literary devices at the author's disposal to bring to the reader's imagination a clearer picture of how the physical earth on which we live actually works in relation to its position in the solar system, it also provides answers to the questions above and of course creates a humorous and enjoyable read.

Pfeffer, Susan Beth. **Last Survivors series**. Multiple titles. Speak, 2016–2017. 320–352 p. (ISBNs vary, pap.). When a meteor collides with the moon, teenage Miranda and her friends and family struggle to survive the unimaginable. Four gripping books that follow their ordeal.

Scott, Elaine. *Our Moon: New Discoveries About Earth's Closest Companion*. Clarion, 2016. 72 p. (978-0547483948). Full of captivating, kid-friendly information, *Our Moon* covers everything from the newest theories on how the moon formed, to the recent, startling discovery of water on its surface and the very real possibility of future moon colonies. Illustrated with full-color photographs and packed with fun facts, this is the most complete and up-to-date book available on the moon. Includes glossary, bibliography, and index.

Simonds, Nina and Leslie Swartz. *Moonbeams, Dumplings & Dragon Boats: A Treasury of Chinese Holiday Tales, Activities & Recipes*. HMH Books for Young Readers, 2002. 80 p. (978-0152019839). Filled with delectable recipes, hands-on family activities, and traditional tales to read aloud, this extraordinary collection will inspire families everywhere to re-create the magic of Chinese holidays in their own homes.

Singer, Marilyn. *A Full Moon is Rising: Poems*. Lee and Low, 2014. (978-1620141960). A children's book takes readers on a whirlwind tour of the world to discover an amazing collection of full-moon celebrations, beliefs, customs, and facts.

Steffoff, Rebecca. *Space Race: An Interactive Space Exploration Adventure*. Capstone, 2016. 112 p. (978-1491481363). Explores various perspectives on the Space Race. The reader's choices reveal the historical details.

Stroud, Rick. *The Book of the Moon*. Walker, 2009. 368 p. (978-0802717344). To celebrate the 40th anniversary of humankind's first steps on the moon, a visually striking cornucopia of everything worth knowing about our closest neighbor in space.

Taylor, Travis S. and Jody Lynn Nye. *Moon Beam*. Baen, 2017. 320 p. (978-1481482523). Lonely 16-year-old farm girl Barbara Winton has been following one reality show for years. Then in an instant she goes from fangirl to participant when the call comes from Dr. Keegan Bright: she's been selected out of a horde of applicants to join him on the moon.

Valente, Catherynne M. *The Girl Who Soared over Fairyland and Cut the Moon in Two*. Square Fish, 2015. 288 p. (978-1250050618). September misses Fairyland and her friends Ell, the Wyverary, and the boy Saturday. She longs to leave the routines of home and embark on a new adventure. Little does she know that this time, she will be spirited away to the moon, reunited with her friends, and find herself faced with saving Fairyland from a moon yeti with great and mysterious powers.

Webb, Philip. *Where the Rock Splits the Sky*. Chicken House, 2014. 272 p. (978-0545557016). Long after the Visitors split the moon and stopped Earth from turning, Megan and two friends mount their horses and set out across the Zone, where laws of nature do not apply, hoping to solve the mystery of her missing father and of the paralyzed planet itself.

Westerfeld, Scott. *Stupid Perfect World*. HarperTeen, 2012. 57 p. (B008K4TDYM, Kindle). In this future-set novella by best-selling author Scott Westerfeld, Kieran Black lives in a "perfect" world. Disease and starvation have been eradicated, sleep is unnecessary, and it takes no time at all to go from the Bahamas to the moon. But now Kieran has to take Scarcity, a class about how people lived in the bad old days. And as if sitting through an hour of Scarcity every day wasn't depressing enough, it's final projects time. Each student must choose some form of ancient hardship to experience for two whole

weeks. Kieran chooses having to sleep eight hours a night, which doesn't seem too annoying.

## Movies/DVDs

Craig, Mark. *The Last Man on the Moon*. Gravititas Ventures, 2016. 96 min. (TV-MA). When Apollo astronaut Gene Cernan stepped on the moon in December 1972, he left his footprints and his daughter's initials in the lunar dust. Now, 40 years later, he is ready to share his personal story of fulfillment, love, and loss.

Haimoff, Elliott. *Project Gemini: Bridge to the Moon*. Unscripted, 2008. 49 min. (NR). An exploration of NASA's second space project. Project Gemini was a major phase of the Cold War, when tensions between the United States, Soviet Union, and their space programs were at an all-time high.

Howard, Ron. *Apollo 13*. Universal Pictures, 1995. 140 min. (PG). The story of the 1970 lunar mission, which suffered an explosion in space that disabled the ship, leaving the astronauts and mission control to work frenetically on devising a plan to get the men home safely. Based on actual events.

Lopez-Gallego, Gonzalo. *Apollo 18*. Weinstein Company, 2011. 86 min. (PG-13). This horror film presents found footage of two astronauts who encountered alien life on the moon during a secret mission in 1973.

Nova. *NOVA's To the Moon*. WGBH, 2000. 120 min. (NR). The mission seemed impossible, the odds astronomical, but the results were spectacular. Nova presents the fascinating story behind the Apollo space program, including the historic walk on the moon in 1969, in a two-hour special. Meet unsung heroes, experience the dangers, and discover new Apollo perspectives through rare footage, little-known facts, and interviews with NASA scientists, engineers, geologists, and the astronauts themselves.

Sington, David. *In the Shadow of the Moon*. XiveTV, 2007. 99 min. (NR). Between 1968 and 1972, the world watched in awe as American spacecraft voyaged to the moon. Twelve astronauts walked on its surface, and they remain the only human beings to have stood on another world. This award-winning documentary retells the story of the Apollo mission through archival footage and interviews with all the surviving astronauts. It's a triumphant reminder of human endeavor.

## Web Resources

**Apollo 11 Mission Overview.** [www.nasa.gov/mission\\_pages/apollo/missions/apollo11.html](http://www.nasa.gov/mission_pages/apollo/missions/apollo11.html). Highlights basic information about the Apollo 11 mission.

**Astronauts Armstrong and Aldrin Arrive on the Moon.** [www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Astronauts\\_Armstrong\\_and\\_Aldrin\\_Arrive\\_on\\_the\\_Moon.html](http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Astronauts_Armstrong_and_Aldrin_Arrive_on_the_Moon.html). Videos of and related to the astronauts' arrival on the moon.

**Build a Moon Habitat.** <https://spaceplace.nasa.gov/moon-habitat/en/>. Provides information about building a moon habitat and walks you through a related activity.

**Chinese Shadow Puppetry.** [www.chineseshadowpuppetry.com/](http://www.chineseshadowpuppetry.com/). Provides information about the history of Chinese Shadow Puppetry, how to make a stage and characters, how to perform a play, and more.

**DIY Cracked Marble Jewelry.** [www.youtube.com/watch?v=pA51sxXCTWQ](http://www.youtube.com/watch?v=pA51sxXCTWQ). A simple guide for making a cracked marble necklace.

**Earth, Moon & Sun Orrery.** <http://jkbrickworks.com/earth-moon-and-sun-orrery/>. How to build a tellurion using Legos. Includes a step-by-step PDF.

**Earth's Moon.** <https://moon.nasa.gov/>. NASA's main informational page about Earth's moon.

**Eclipse 2017: Science from the Moon's Shadow.** [www.nasa.gov/feature/goddard/2017/eclipse-2017-science-from-the-moon-s-shadow](http://www.nasa.gov/feature/goddard/2017/eclipse-2017-science-from-the-moon-s-shadow). A brief overview of initial findings from information gathered during the 2017 solar eclipse.

**“Eclipse Across America” Series Offers Preview of 2017 Total Solar Eclipse.”**

[www.space.com/37750-eclipse-across-america-documentary.html](http://www.space.com/37750-eclipse-across-america-documentary.html). Links you to a four-part series about the path of totality for the 2017 North American eclipse and includes information and interviews with

scientists, astronomers, and more.

**Eclipses and Transits.** [www.nasa.gov/eclipse](http://www.nasa.gov/eclipse). NASA's informational page about what happens during an eclipse.

**Ferguson's Mechanical Paradox Orrery.** [www.lisaboyer.com/Claytonsite/mechanicalparadoxpage.htm](http://www.lisaboyer.com/Claytonsite/mechanicalparadoxpage.htm). Information about an orrery that explores the paradox found in the rotation of its wheels.

**Full Moon Names & Their Meanings.** [www.farmersalmanac.com/full-moon-names/](http://www.farmersalmanac.com/full-moon-names/). A listing of the Native American names for each month's full moon with a short explanation.

**Here's a GIF Guide of How to Moonwalk—We Tried It and It Actually Works!.**

<https://thoughtcatalog.com/brandon-gorrell/2013/02/heres-a-gif-guide-of-how-to-moonwalk-it-actually-works/>. A series of GIFs with animated instructions showing you how to perform Michael Jackson's moonwalk.

**How to Make Shadow Puppets.** [www.pbs.org/video/full-time-kid-how-make-shadow-puppets](http://www.pbs.org/video/full-time-kid-how-make-shadow-puppets). An instructional video for making shadow puppets.

**How to Make a Wizard's Orrery.** [www.stormthecastle.com/how-to-make-a/how-to-make-a-wizards-orrery.htm](http://www.stormthecastle.com/how-to-make-a/how-to-make-a-wizards-orrery.htm). A tutorial on how to make a simplified, low-cost version of a tellurion.

**How to Moonwalk.** [www.instructables.com/id/How-to-Moonwalk-4/](http://www.instructables.com/id/How-to-Moonwalk-4/). Step-by-step guide about how to perform Michael Jackson's moonwalk. Includes a downloadable PDF.

**Lunar and Meteorite Sample Disk Program (K–12).** <https://ares.jsc.nasa.gov/interaction/lmdp/>. Provides information about a program that allows you to borrow moon rocks to share with your students.

**The Lunar & Planetary Institute.** [www.lpi.usra.edu/](http://www.lpi.usra.edu/). The website of the Lunar & Planetary Institute, which endeavors to spread knowledge of the solar system.

**Make a Tellurion for Your Kid.** [www.instructables.com/id/Make-a-Tellurion-sun-earth-moon-Orrery-for-Your-Ki/](http://www.instructables.com/id/Make-a-Tellurion-sun-earth-moon-Orrery-for-Your-Ki/). Provides information on how to make a tellurion that rotates with a tilted Earth and utilizes 3-D printing. Includes a downloadable PDF.

**Moon Chinese Legend Shadow Puppet Show for the Mid-Autumn Festival.** [www.adventure-in-a-box.com/moon-chinese-legend-shadow-puppet-show-mid-autumn-festival/](http://www.adventure-in-a-box.com/moon-chinese-legend-shadow-puppet-show-mid-autumn-festival/). Walks you through the story of Chang E and provides images and information that can be used to create the puppets for the story.

**Moon Habitat.** <http://spaceplace.nasa.gov/moon-habitat>. Instructions on how to build your own moon habitat.

**Moon Phase Calculator.** <https://stardate.org/nightsky/moon>. A tool to determine moon phases for specific dates of the year.

**Moonwalks July 20, 1969: One Giant Leap for Mankind.**

[www.nasa.gov/mission\\_pages/apollo/apollo11.html](http://www.nasa.gov/mission_pages/apollo/apollo11.html). A montage of the Apollo 11 moonwalk.

**NASA's Lunar Mission Captures Solar Eclipse as Seen from the Moon.**

[www.nasa.gov/feature/goddard/2017/LRO-captures-eclipse-from-the-moon](http://www.nasa.gov/feature/goddard/2017/LRO-captures-eclipse-from-the-moon). Shows the 2017 North American solar eclipse from the moon, and discusses the occurrence in relation to the Lunar Reconnaissance Orbiter Camera.

**NASA Space Place.** <https://spaceplace.nasa.gov/>. Activities and exercises for students to learn about the moon and space exploration.

**Native American Full Moon Names.** [www.skyandtelescope.com/astronomy-resources/native-american-full-moon-names/](http://www.skyandtelescope.com/astronomy-resources/native-american-full-moon-names/). The names of the Native American full moons, with alternative names and explanations.

**On the Moon.** [www.nasa.gov/pdf/308966main\\_On\\_the\\_Moon.pdf](http://www.nasa.gov/pdf/308966main_On_the_Moon.pdf). A downloadable PDF of engineering challenges for grades 3–12.

**Orrery—a Mechanical Solar System Model from Plywood.** [www.instructables.com/id/Orrery-a-Mechanical-Solar-System-Model-From-Plywoo/](http://www.instructables.com/id/Orrery-a-Mechanical-Solar-System-Model-From-Plywoo/). Provides a PDF of how to create a full solar system orrery, which provides principles that can be used to create a sun, moon, and Earth orrery.

**Orrery Instructions.** <http://brassorrery.blogspot.com/2009/09/orrery-instructions.html>. Provides information to build a middle-level orrery and includes basic information that can assist those creating their own plans.

**Shadow Puppet Theater.** <https://makezine.com/projects/shadow-puppet-theater/>. A step-by-step guide to make a shadow puppet theater.

**Solar System Exploration Research Virtual Institute.** <https://sservi.nasa.gov/articles/nasa-lunar-science-institute/>. Formerly known as the NASA Lunar Science Institute, the group funds research done remotely by various groups, and spreads education and opportunity.

**Space Lander Mission.** [www.vivifsystem.com/blog/2015/1/14/touchdown-lander](http://www.vivifsystem.com/blog/2015/1/14/touchdown-lander). Gives information on running a program where participants build a space lander that will keep two “alien” marshmallows in their cup when it lands.

**Space Operations Learning Center.** <https://solc.gsfc.nasa.gov/>. Teaches the basic concepts of space operations. Provided by NASA.

**Why No Eclipse Every Full and New Moon?** <http://earthsky.org/astronomy-essentials/why-isnt-there-an-eclipse-every-full-moon>. Discusses why we do not see lunar and solar eclipses every month.

**You Need a Beautiful Orrery in Your Life.** [www.popularmechanics.com/space/solar-system/a24330/how-to-make-an-orrery/](http://www.popularmechanics.com/space/solar-system/a24330/how-to-make-an-orrery/). Article that provides links to a PDF and video to build a high-level orrery.



## ***To the Library and Beyond***



### **Books**

Abnett, Dan. *Horus Rising*. Games Workshop, 2014. 416 p. (978-1849707442, pap.). Horus is one of the Emperor's Primarchs and Warmaster. Victory for the empire is close at hand, but will Horus be strong enough to control his fellow commanders and continue the Emperor's grand design? Set in the Warhammer 40,000 universe.

\*Bacigalupi, Paolo. *Ship Breaker*. Little, Brown Books for Young Readers, 2011. 352 p. (978-0316056199, pap.). Teenager Nailor is a scavenger. He collects copper wiring from grounded oil tankers. But when he discovers a beached clipper ship, he must decide between stripping the ship and rescuing the wealthy girl trapped inside.

\*Bodden, Valerie. *Vincent van Gogh*. Creative Education, 2016. 80 p. (978-1608187218). A biography of Dutch artist Vincent van Gogh examines his contributions to the Post-Impressionist style, his early death, and his greatest paintings.

Carriger, Gail. *Etiquette & Espionage*. Little, Brown, 2013. 307 p. (978-0316190107, pap.). In an alternate England of 1851, 14-year-old Sophronia is enrolled in a finishing school where she is surprised to learn not only the fine arts of dance, dress, and etiquette, but also diversion, deceit, and espionage.

Consolmagno, Guy, and Dan M. Davis. *Turn Left at Orion: Hundreds of Night Sky Objects to See in a Home Telescope—and How to Find Them*. Cambridge University Press, 2011. 255 p. (978-0521153973, pap.). This beginner's guide to the night sky teaches stargazers of all ages and backgrounds and has been revised to include Southern Hemisphere objects and Dobsonian telescopes.

Dickinson, Terence. *Nightwatch: A Practical Guide to Viewing the Universe: Revised and Updated*. Firefly, 2006. 192 p. (978-1554071470). A reference guide for stargazers, offering star charts and information on equipment, planets, and stellar photography. This edition has been updated for use through 2025.

\*Duncan, Alexandra. *Salvage*. Greenwillow, 2015. 536 p. (978-0062220158, pap.). Ava, a teenage girl living aboard the male-dominated, conservative deep-space merchant ship *Parastrata*, faces betrayal, banishment, and death. Taking her fate into her own hands, she flees to the Gyre, a floating continent of garbage and scrap in the Pacific Ocean. How will she build a future on an Earth ravaged by climate change?

\*Erskine, Kathryn. *The Incredible Magic of Being*. Scholastic, 2017. 247 p. (978-1338148510). Julian is an optimistic nine-year-old who navigates the challenges of his stressed family by resolving to discover a comet.

\*Farmer, Nancy. *The House of the Scorpion*. Atheneum, 2004. 380 p. (978-0689852237, pap.). In a future where humans despise clones, Matt enjoys special status as the young clone of El Patr on, the 142-year-old leader of a corrupt drug empire nestled between Mexico and the United States.

Fazekas, Andrew. *Star Trek: The Official Guide to Our Universe: The True Science Behind the Starship Voyages*. National Geographic Society, 2016. 237 p. (978-1426216527). An introduction to the astronomy of *Star Trek*, exploring true astronomical counterparts to the show’s lore. Includes star charts, a history of space exploration, and a combination of fact and science fiction.

Games Workshop. *Warhammer 40,000: The Core Rules*. Games Workshop, 2017. 280 p. (978-1785818493). Contains the core rules needed to learn how to play Warhammer 40,000, as well as advanced rules, scenarios, hobby information, and background story.

Garcia, Karina. *Karina Garcia’s DIY Slime*. Sizzle, 2017. 79 p. (978-1499806601, pap.). Learn how to create your own slime at home with 15 borax-free slime recipes from YouTuber Karina Garcia.

Gillies, Isabel. *Starry Night*. Square Fish, 2015. 330 p. (978-1250068224, pap.). As 15-year-old Wren and her three best friends celebrate the opening of a major exhibit curated by her father at the Metropolitan Museum of Art, Wren finds first love with her brother’s new friend, Nolan, and the relationship transforms her and her life—not always in good ways.

Gilliland, Ben. *Rocket Science for the Rest of Us: Cutting-Edge Concepts Made Simple*. DK, 2015. 192 p. (978-1465433657, pap.). Presents a common-sense guide to astronomy and astrophysics that provides comprehensive explanations of such topics as black holes, antimatter, and space exploration.

\*Griffin, Emily Ziff. *Light Years*. Simon Pulse, 2017. 288 p. (978-1507200056). As a mysterious virus infects the world’s population, a girl confronting the death of her father begins a quest for spiritual and existential meaning.

Hamilton, Trenton. *Photography: Equipment, Techniques, Styles, and Practice*. Britannica Educational Publishing, 2016. 192 p. (978-1680483741). This guide for young adults focuses on the technology of photography, breaking down the components of a camera, and the practices of developing pictures.

\*Heiligman, Deborah. *Vincent and Theo: The Van Gogh Brothers*. Henry Holt, 2017. 454 p. (978-0805093391). This book examines the relationship between brothers Theo and Vincent van Gogh, showing how Theo supported the painter throughout his creative and interpersonal struggles.

Jagan, Alyssa. *Ultimate Slime: DIY Tutorials for Crunchy Slime, Fluffy Slime, Fishbowl Slime, and More Than 100 Other Oddly Satisfying Recipes and Projects—Totally Borax Free!* Quarry, 2017. 112 p. (978-1631594250, pap.). Learn how to create slime in a variety of colors and textures, with more than 100 recipes and projects.

Kakalios, James. *The Physics of Superheroes*. Avery, 2009. 448 p. (978-1592405084, pap.). An exploration of the science behind the powers of popular comic superheroes and villains illustrates the physics principles underlying the supernatural abilities of such characters as Superman, Magneto, and Spider-Man.

Kaufman, Amie, and Jay Kristoff. *Illuminae*. Ember, 2017. 599 p. (978-0553499148, pap.). Caught in the crossfire of a megacorporation rivalry in 2575, Kady and Ezra, who have just broken up, flee their home planet on an evacuation ship that is quickly overwhelmed by a fast-spreading plague.

Keimig, Lance. *Night Photography and Light Painting: Finding Your Way in the Dark*. Focal Press, 2015. 268 p. (978-0415718981, pap.). Discover practical techniques for night photography, a guide for

digital light painting, and a detailed history of the medium.

\*Khorana, Aditi. *Mirror in the Sky*. Razorbill, 2017. 334 p. (978-1595148575, pap.). Tara, an Indian American junior at Brierly Prep School, feels her world dramatically change when a mirror planet to Earth is discovered and she, in this new era of scientific history, reconsiders herself and possible selves.

King, William. *Space Wolf: The Omnibus*. Games Workshop, 2015. 768 p. (978-1785721144, pap.). Set in the Warhammer 40,000 universe and collecting three stories following the adventures of Ragnar the Space Wolf, from his recruitment by the Space Marines to his adventures amongst the stars.

Landers, Melissa. *Starflight*. Disney-Hyperion, 2017. 359 p. (978-1484747865, pap.). Former high school enemies Solara Brooks and Doran Spaulding must team up when they find themselves aboard a renegade spaceship.

\*Lu, Marie. *Warcross*. Putnam, 2017. 353 p. (978-0399547966). After hacking into the Warcross Championship's opening game to track illegal betting, bounty hunter Emika Chen is asked by the game's creator to go undercover to investigate a security problem, and she uncovers a sinister plot.

Maizel, Rebecca. *Between Us and the Moon*. HarperTeen, 2015. 364 p. (978-0062327611). Just before spending the summer in Cape Cod, Sarah's boyfriend breaks up with her. As a scientist whose focus is on winning a scholarship through her study of a comet, she designs an experiment to become more like her older sister to see if she, too, can be popular.

\*McCarry, Sarah. *About a Girl*. Griffin, 2015. 260 p. (978-1250068620). Eighteen-year-old Tally, a self-proclaimed genius and aspiring astronomer, finds her world upended and sets off on a quest to seek the reclusive musician who may hold the key to her past. Instead, she finds Maddy, who may open the door to her future.

Meyer, Marissa. *Cinder*. Square Fish, 2013. 390 p. (978-1250007209, pap.). In this retelling of several classic fairy tales, Cinder is a gifted mechanic and cyborg, living on an overcrowded, plague-ravaged Earth that's on the brink of war with the Lunar people. When Cinder becomes involved with Prince Kai, ruler of New Beijing, she must uncover secrets about her past in order to protect the world.

Morgan, Kass. *The 100*. Little, Brown, 2014. 323 p. (978-0316234498, pap.). 100 juvenile delinquents, considered to be expendable, are sent to an Earth that was destroyed by nuclear war. Their goal is to see whether the planet is habitable and then begin recolonizing.

Munroe, Randall. *Thing Explainer: Complicated Stuff in Simple Words*. Houghton Mifflin Harcourt, 2015. 61 p. (978-0544668256). The creator of the webcomic *xkcd* uses line drawings and common words to provide simple explanations for how things work, including microwaves, bridges, tectonic plates, the solar system, the periodic table, helicopters, and other essential concepts.

Munroe, Randall. *What If? Serious Scientific Answers to Absurd Hypothetical Questions*. Houghton Mifflin Harcourt, 2014. 320 p. (978-0544272996). The creator of the webcomic *xkcd* presents his heavily researched answers to readers' oddest questions.

Ness, Patrick. *The Knife of Never Letting Go*. Candlewick, 2014. 512 p. (978-0763676186, pap.). Tod Hewitt is being pursued by a madman preacher after fleeing his settlement on a planet where war with the natives has infected the men with a germ that broadcasts their thoughts for all to hear. Accompanied by Viola, a new colonist, the two hope to warn a spaceship full of settlers coming from the Old World.

\*Oh, Axie. *Rebel Seoul*. Tu, 2017. 389 p. (978-1620142998). In 2199 in the Neo State of Korea, 18-year-old Jaewon is partnered with supersoldier Tera, but their evolving love is threatened when Jaewon must choose among conflicting loyalties—to the totalitarian government that promises to end all war, the nationalist rebels his father followed, or the crime syndicate staging a coup.

Oliver, Lauren. *Replica: Lyra/Gemma*. HarperCollins, 2017. 560 p. (978-0062394170, pap.). In a book that invites readers to start at either end or alternate between perspectives, Lyra and Gemma get the chance to escape from the protective environments in which they were raised while uncovering secrets about the bioresearch facility that connects them.

Oseid, Kelsey. *What We See in the Stars: An Illustrated Tour of the Night Sky*. Ten Speed, 2017. 159 p. (978-0399579530). Through a combination of art, mythology, and scientific facts, readers can tour the

night sky.

Reeve, Philip. *Railhead*. Switch, 2017. 333 p. (978-1630790509, pap.). When petty thief and railhead Zen Starling is hired to steal a small box from the Emperor's train, it soon becomes clear that the box may be the key to the secrets and danger that lurk within the Great Network of trains.

Renn, Diana. *Tokyo Heist*. Speak, 2013. 373 p. (978-0142426548, pap.). After a high-profile art heist of three van Gogh drawings in her hometown of Seattle, 16-year-old Violet Rossi finds herself in Japan with her artist father, searching for the related van Gogh painting.

Reuter Hapgood, Harriet. *The Square Root of Summer*. Square Fish, 2017. 294 p. (978-1250115171, pap.). Gottie Oppenheimer, a 17-year-old physics prodigy, navigates grief, love, and disruptions in the space-time continuum in one very eventful summer.

Ridpath, Ian. *Smithsonian Handbooks: Stars and Planets*. DK, 2002. 224 p. (978-0789489883, pap.). A comprehensive pocket guide to observing the night sky, with information and illustrations featuring planets, constellations, and star charts.

Sanderson, Brandon. *Steelheart*. Ember, 2014. 386 p. (978-0385743570, pap.). At age eight, David watched as his father was killed by an Epic, a human with superhuman powers, and now, 10 years later, he joins the Reckoners—the only people who are trying to kill the Epics and end their tyranny.

Scagell, Robin. *Urban Astronomy: Stargazing from Towns & Suburbs*. Firefly, 2014. 208 p. (978-1770853256, pap.). An introduction to the hobby of astronomy in an urban setting, with tips for combatting light pollution and finding dark skies.

Scheckel, Larry. *Ask a Science Teacher: 250 Answers to Questions You've Always Had About How Everyday Stuff Really Works*. Experiment, 2013. 368 p. (978-1615190874, pap.). Collects 250 common science questions with uncomplicated explanations of their corresponding answers, covering a variety of science topics, including earth science, astronomy, physics, zoology, and the human body.

Schneider, Howard. *Backyard Guide to the Night Sky*. National Geographic Society, 2009. 286 p. (978-1426202810, pap.). An introduction for the beginning stargazer, covering topics ranging from understanding the phases of the moon to picking Mars out of a planetary lineup to identifying the kinds of stars twinkling in the constellations.

Scott, Elaine. *Space, Stars, and the Beginning of Time: What the Hubble Telescope Saw*. Clarion, 2011. 66 p. (978-0547241890). The Hubble telescope's images have transformed astronomy, sparking new discoveries and turning speculation into fact. Through the eye of the Hubble, Elaine Scott guides readers through the evolution of our universe, investigating a question that was once unanswerable: "Where did we come from?"

\*Shusterman, Neal. *Scythe*. Simon & Schuster, 2017. 433 p. (978-1442472433, pap.). In a world in which the only way to die is to be killed by a scythe, Citra and Rowan compete to earn a position as a scythe's apprentice—a competition that will see the loser die by the hand of the winner.

\*Silvera, Adam. *They Both Die at the End*. HarperTeen, 2017. 373 p. (978-0062457790). In a near-future New York City where a service alerts people on the day they will die, teenagers Mateo Torrez and Rufus Emeterio meet using the Last Friend app and are faced with the challenge of living a lifetime on their End Day.

\*Stok, Barbara. *Vincent*. SelfMadeHero, 2015. 144 p. (978-1906838799, pap.). This graphic biography documents Vincent van Gogh's time spent in Arles, Provence, covering his attempt to set up an artists' studio and his mental illness.

Swallow, James. *Sisters of Battle: The Omnibus*. Games Workshop, 2017. 752 p. (978-1784965723). The Adepta Sororitas, or Sisters of Battle, are the military arm of the Ecclesiarchy, and uniquely among the fighting forces of the Imperium, all the warriors of this organization are female.

Thomsett-Scott, Beth C., editor. *Marketing with Social Media: A LITA Guide, Second Edition*. ALA Neal-Schuman, 2018. 176 p. (978-0838916315, pap.). A resources for librarians that explores using social media tools to promote libraries and build communities.

Vallencourt, Margaret. *The History of Photography*. Britannica Educational, 2015. 196 p. (978-

1680480733). This resource for young photographers provides a history of photography, discussing its evolution, notable photographers, and the development of specific genres.

\*Vaughan, Brian K. *Paper Girls I*. Image Comics, 2016. 144 p. (978-1632156747, pap.). Supernatural mysteries and suburban drama collide in the early hours after the Halloween of 1988 for four twelve-year-old newspaper delivery girls.

Wright, Natalie. *Slime 101: How to Make Stretchy, Fluffy, Glittery & Colorful Slime*. Dover, 2017. 47 p. (978-0486820910, pap.). Easy instructions and color photos show how to create slime that glitters, glows in the dark, bubbles, and more, using ordinary household ingredients.

## Movies/DVDs

Abrams, J.J., director. *Star Trek*. Paramount Pictures, 2009. 128 min. (PG-13). In this alternate setting, James T. Kirk takes command of the *Enterprise* during an enemy attack, against the wishes of his first officer, Spock.

Abrams, J.J., director. *Star Trek: Into Darkness*. Paramount Pictures, 2013. 130 min. (PG-13). The crew of the *Enterprise* ventures into a war zone to find the villain who destroyed Starfleet.

\*Abrams, J.J., director. *Star Wars: The Force Awakens*. Walt Disney Pictures, 2015. 136 min. (PG-13). An ex-stormtrooper, a scrappy desert dweller, and a droid companion embark on a journey that brings them face-to-face with heroes from the past, who are now battling a fascist regime called the First Order.

Besson, Luc, director. *The Fifth Element*. Columbia Pictures, 1997. 126 min. (PG-13). A 23rd-century cabbie and an alien try to save the world from a raging fireball that's on a collision course with Earth.

Blakeson, J., director. *The 5th Wave*. Columbia Pictures, 2016. 112 min. (PG-13). Four waves of increasingly deadly alien attacks have left most of Earth decimated. Sixteen-year-old Cassie is one of the survivors, and she's trying desperately to save her brother.

del Toro, Guillermo, director. *Pacific Rim*. Warner Bros., 2013. 131 min. (PG-13). Mankind creates human-controlled robots to fight monsters that have risen from the sea, and a burned-out pilot and an inexperienced rookie are forced to work together to save the world from the beasts.

\*Edwards, Gareth, director. *Rogue One: A Star Wars Story*. Walt Disney Pictures, 2016. 133 min. (PG-13). A group of unlikely heroes band together on a mission to steal the plans to the Death Star, the Empire's ultimate weapon of destruction.

Gunn, James, director. *Guardians of the Galaxy*. Walt Disney Pictures, 2017. 137 min. (PG-13). Cosmic outlaws face an interstellar villain who seeks to control the universe with a powerful orb.

Gunn, James, director. *Guardians of the Galaxy, Vol. 2*. Walt Disney Pictures, 2014. 121 min. (PG-13). The team's adventures continue as they unravel the mystery of Peter Quill's true parentage.

Jennings, Garth, director. *The Hitchhiker's Guide to the Galaxy*. Walt Disney Pictures, 2005. 110 min. (PG). A cosmic joyride with an earthling, Arthur Dent, and his alien friend, who is writing a new edition of *The Hitchhiker's Guide to the Galaxy*.

Lin, Justin, director. *Star Trek: Beyond*. Paramount Pictures, 2016. 120 min. (PG-13). Captain Kirk and his crew are marooned on a remote planet after the *Enterprise* is attacked by a dictator named Krall.

Parisot, Dean, director. *Galaxy Quest*. Paramount Pictures, 1999. 103 min. (PG). Actors from a canceled sci-fi series are accidentally recruited by aliens to help defend them from a warlord.

\*Sonnenfeld, Barry, director. *Men in Black*. Columbia Pictures, 1997. 98 min. (PG-13). A humans-against-aliens saga in which a secret-agent duo track extraterrestrials living on Earth.

\*Sonnenfeld, Barry, director. *Men in Black II*. Columbia Pictures, 2002. 88 min. (PG-13). A shape-shifting extraterrestrial, bent on the world's destruction, is hunted by two agents, whose job is to keep tabs on Earth-dwelling aliens.

\*Sonnenfeld, Barry, director. *Men in Black III*. Columbia Pictures, 2012. 104 min. (PG-13). Agent J travels back in time to 1969 to prevent someone from rewriting the course of history.

Stanton, Andrew, director. *WALL-E*. Walt Disney Pictures, 2008. 98 min. (G). WALL-E is a waste-

collecting robot who lives on an Earth abandoned by humans. When he discovers a plant growing in the waste, it sets off a journey into space that will ultimately decide the fate of humankind.

Waititi, Taika, director. *Thor: Ragnarok*. Walt Disney Pictures, 2017. 130 min. (PG-13). The mighty Thor finds himself in a lethal gladiatorial contest where he must fight for survival and race against time to prevent an all-powerful being from destroying Asgard.

## Web Resources

**Astronauts and Aliens.** <http://eu.montana.edu/starparty/>. A collection of planning documents, activities, and handouts for star parties, sun parties, and other space science events, as developed by the NASA for the Northwest project at Montana State University.

**Adding Monsters to Thrift Store Paintings.** <http://twistedstifter.com/2012/04/adding-monsters-to-thrift-store-paintings/>. A blog entry on the art of adding monsters and characters to thrift store landscapes.

**All About Instagram.** [www.slj.com/2016/02/technology/all-about-instagram/#](http://www.slj.com/2016/02/technology/all-about-instagram/#). An article from *School Library Journal* about effective ways to use Instagram, including generating content, attracting followers, and suggested accounts to follow.

**Art with Kids: How to Make Light Paintings.** <http://sketch42blog.com/2013/06/art-with-kids-how-to-make-light-paintings/>. In this art and interior design blog, the artist outlines her process of working with children to create light paintings.

**Artist Reimagines van Gogh's *Starry Night* with Pop Culture Icons.** <http://mymodernmet.com/starry-night-pop-culture-aja-kusick/>. Artist Aja Kusick combines pop culture characters and icons with van Gogh's iconic *The Starry Night*.

**A Beginner's Guide to Star Trail Photography.** [www.lomography.com/magazine/50375-a-beginners-guide-to-star-trail-photography](http://www.lomography.com/magazine/50375-a-beginners-guide-to-star-trail-photography). An introduction to taking long-exposure pictures of stars and their path across the night sky.

**Blog: Astronomy Week: STEM for Everyone!** [www.programminglibrarian.org/blog/astronomy-week-stem-everyone](http://www.programminglibrarian.org/blog/astronomy-week-stem-everyone). Programming Librarian's blog post about hosting an astronomy event on a sliding budget.

**Blog: We're Going on a Photo Hunter: A New Take on the Library Tour.** [www.programminglibrarian.org/blog/were-going-photo-hunt-new-take-library-tour](http://www.programminglibrarian.org/blog/were-going-photo-hunt-new-take-library-tour). An alternative form of the photo scavenger hunt, this program description from the University of Dayton Libraries is all about teaching college students about their library.

**Book Trailers.** [www.youtube.com/playlist?list=PLGTBqhN4e5ISvK09nZqWKBu-7IvQGJDY0](http://www.youtube.com/playlist?list=PLGTBqhN4e5ISvK09nZqWKBu-7IvQGJDY0). A YouTube playlist of official book trailers for young adult titles, offered through the Epic Reads channel.

**Café Scientifique.** [www.cafescientifique.org/](http://www.cafescientifique.org/). A forum for the discussion of science cafés, how to start them, and resources.

**Cosmic Space Dough.** [www.growingajeweledrose.com/2012/08/ glowing-cloud-dough-sensory-monsters.html](http://www.growingajeweledrose.com/2012/08/ glowing-cloud-dough-sensory-monsters.html). A simple recipe for dough that sparkles and glows.

**DIY: How to Build an Outdoor Movie Screen.** <http://wholesomemommy.com/how-to-build-an-outdoor-movie-screen/>. A blog entry on how to construct a screen using bedsheets and PVC pipes.

**Elmer's Glue Slime Recipes.** [www.michaels.com/static/on/demandware.static/-/Sites-MichaelsUS-Library/default/docs/downloads/elmers-glue-slime-recipes.pdf](http://www.michaels.com/static/on/demandware.static/-/Sites-MichaelsUS-Library/default/docs/downloads/elmers-glue-slime-recipes.pdf). A list of basic recipes for white, clear, and glitter glue slime recipes.

**Epic Reads Explains.** [www.youtube.com/playlist?list=PLGTBqhN4e5IQfRvN5LSsoMYrCF1p6Ni3M](http://www.youtube.com/playlist?list=PLGTBqhN4e5IQfRvN5LSsoMYrCF1p6Ni3M). A YouTube playlist of videos providing short plot synopses of young adult books, paired with upbeat animations.

**Facilitating Discussion.** [www.ilovelibraries.org/booklovers/bookclub/facilitate-discussion](http://www.ilovelibraries.org/booklovers/bookclub/facilitate-discussion). A list of tips and generic discussions on participating in and hosting a book discussion.

**FunFlicks Outdoor Movies.** <http://funflicks.com/>. A service for renting outdoor movie equipment, available in the United States.

**Games Workshop.** [www.games-workshop.com/](http://www.games-workshop.com/). The official website of Games Workshop, a British miniature war-gaming company.

**Geocaching.** [www.geocaching.com/](http://www.geocaching.com/). A website dedicated to geocaching, an outdoor recreational activity that uses GPS coordinates to locate hidden caches all over the world.

**Geocaching Scavenger Hunt.** [www.torontopubliclibrary.ca/programs-and-classes/featured/geocaching.jsp](http://www.torontopubliclibrary.ca/programs-and-classes/featured/geocaching.jsp). An example of libraries using geocaching to create a scavenger hunt; the Toronto Public Library hid caches at multiple branches and offered hints and coordinates for finding them, as well as guides on how to participate.

**GISHWHES.** [www.gishwhes.com/](http://www.gishwhes.com/). The official site of the Greatest International Scavenger Hunt the World Has Ever Seen, founded by actor Misha Collins. Provides numerous examples of photo and video scavenger hunt tasks, which could be used when brainstorming for a library scavenger hunt.

**Here's Why You're Going to See Painted Rocks Hidden Everywhere.**

[www.marthastewart.com/1514087/why-you-see-painted-rocks-hidden-everywhere](http://www.marthastewart.com/1514087/why-you-see-painted-rocks-hidden-everywhere). An article explaining the hobby of painting and hiding rocks, rock groups, and how to use this activity to promote positivity and kindness.

**How Do I Find Movies in the Public Domain?**

[www.prattlibrary.org/locations/sightsandsounds/index.aspx?id=5661](http://www.prattlibrary.org/locations/sightsandsounds/index.aspx?id=5661). The Enoch Pratt Free Library's list of resources for researching films that are in the public domain.

**How to Create and Hide a Geocache.** [www.wikihow.com/Create-and-Hide-a-Geocache](http://www.wikihow.com/Create-and-Hide-a-Geocache). A WikiHow guide to making and hiding your own geocache, including types of containers to use and posting of GPS coordinates.

**How to Light-Paint with an iPhone.** [www.dariustwin.com/blog/how-to-light-paint-with-an-iphone](http://www.dariustwin.com/blog/how-to-light-paint-with-an-iphone). A simple walkthrough of how to take pictures of light painting using an iPhone and related apps, with numerous photographs and instructional videos.

**How to Make a QR Code in 4 Quick Steps.** <https://blog.hubspot.com/blog/tabid/6307/bid/29449/how-to-create-a-qr-code-in-4-quick-steps.aspx>. Instructions and a list of resources for generating a QR code, which can be scanned and directs back to a specific web page.

**How to Make Galaxy Slime: The Sparkliest, Most Amazing Slime.** [www.schoolingamonkey.com/how-to-make-galaxy-slime/](http://www.schoolingamonkey.com/how-to-make-galaxy-slime/). A STEM-based blog features a recipe for making sparkly, galaxy-themed slime.

**How-To Tuesday: Sidewalk Chalk Ideas.** <http://coreymarie.com/2013/06/how-to-tuesday-sidewalk-chalk-ideas/>. A blog entry with tips for ways to improve and change the look of your sidewalk chalk art.

**Hubblesite.** <http://hubblesite.org/>. The official website of the Hubble Space Telescope, with an image gallery that offers examples of galaxies, nebulae, stars, and planets.

**iPad Light Painting.** [www.instructables.com/id/iPad-Light-Painting/](http://www.instructables.com/id/iPad-Light-Painting/). A tutorial on how to use an iPad to create light paintings.

**It's in the Stars! Astronomy at the Library.** [www.starnetlibraries.org/uncategorized/its-in-the-stars-astronomy-at-the-library/](http://www.starnetlibraries.org/uncategorized/its-in-the-stars-astronomy-at-the-library/). A basic overview on hosting stargazing parties at libraries.

**Kid-Friendly Papercraft: Spaceship.** <http://digitprop.com/2015/06/kid-friendly-papercraft-spaceship/amp/>. Downloadable patterns and instructions for a customizable papercraft of a small spaceship.

**“Library Telescope” Program Takes Off.** [www.skyandtelescope.com/observing/stargazers-corner/library-telescope-program-update/](http://www.skyandtelescope.com/observing/stargazers-corner/library-telescope-program-update/). A detailed article about the New Hampshire Astronomical Society's loaner telescope program and library partners.

**Light Painting: A Lomography Guide.** <https://microsites.lomography.com/light-painting/>. A guide to light painting, which breaks down information about camera settings and equipment.

**Light Painting Photography: History.** <http://lightpaintingphotography.com/light-painting-history/>. A history of photography that uses light painting, starting with the late 1880s and including numerous artists and technology.

**Michaels Slime Projects.** [www.michaels.com/slime\\_projects](http://www.michaels.com/slime_projects). A selection of slime recipes, with step-by-step instructions and lists of ingredients.

**The Modern Book Club (Meets in a Bar), by Leah L. White.**

<http://letterstoayounglibrarian.blogspot.com/2013/01/the-modern-book-club-meets-in-bar-by.html>.

Advice from a librarian who has run a book club through a bar. This information could be easily translated into a setting that's friendly to teens.

**Night Sky Network.** <https://nightsky.jpl.nasa.gov/>. A coalition of amateur astronomy clubs around the United States, hosted by NASA's Jet Propulsion Laboratory at the California Institute of Technology. This resource allows you to search for local astronomy organizations.

**Painting with Light—How to Photograph Sparklers.** <http://moonbugphotography.com/painting-with-light-how-to-photograph-sparklers/>. A photography blog entry on using sparklers in light painting.

**Photo Scavenger Hunts.** [www.teenservicesunderground.com/photo-savenger-hunts/](http://www.teenservicesunderground.com/photo-savenger-hunts/). A guide to doing a photo scavenger hunts outside the library with teens and phones. A scavenger hunt list and suggested rules are included.

**Planet Party.** [http://clearinghouse.starnetlibraries.org/index.php?id\\_product=62&controller=product](http://clearinghouse.starnetlibraries.org/index.php?id_product=62&controller=product). A planning and activity guide from STAR\_Net for hosting a viewing party and partnering with a local astronomical society.

**Program Model: Telescope Lending Program.** [www.programminglibrarian.org/programs/telescope-lending-program](http://www.programminglibrarian.org/programs/telescope-lending-program). An outline of how to plan, budget, and advocate for a telescope lending program, based on the partnership of the St. Louis County Library District and the St. Louis Astronomical Society.

**The Science Café Guide: Everything You Need to Start Your Own.** [www.scivic.org/involved/the-science-cafe-guide-everything-you-need-to-start-your-own](http://www.scivic.org/involved/the-science-cafe-guide-everything-you-need-to-start-your-own). An overview of how to start your own science café, including the different kinds of formats, and necessary resources.

**ScienceCafés.** [www.sciencecafes.org/](http://www.sciencecafes.org/). Hosted by Nova, this site covers how to start your own science café and how to participate as a speaker; it also includes a directory of science cafés.

**Science Cafés: Bringing STEM Experts to Your Community.**

<http://programminglibrarian.org/learn/science-caf%C3%A9s-bringing-stem-experts-your-community>. A free webinar on how university libraries have made use of science cafés to engage their communities.

**The Science of Slime.**

[www.acs.org/content/dam/acsorg/education/resources/highschool/chemmatters/articlesbytopic/solidliquids/gases/chemmatters-dec2004-slime.pdf](http://www.acs.org/content/dam/acsorg/education/resources/highschool/chemmatters/articlesbytopic/solidliquids/gases/chemmatters-dec2004-slime.pdf). An article detailing the science that occurs when you make slime, with information about non-Newtonian fluids and viscosity.

**The Skyping Renaissance.** [www.slj.com/2014/11/technology/the-skyping-renaissance/](http://www.slj.com/2014/11/technology/the-skyping-renaissance/). A *School Library Journal* article on different uses for Skype for education and author visits. Includes a list of Skype author and classroom resources.

**Space and Astronaut Toy Action Figures.** [www.amazon.com/Space-Astronaut-Toy-Action-Figures/dp/B00V7IP2WA/ref=sr\\_1\\_1?s=toys-and-games&ie=UTF8&qid=1509693756&sr=1-1&keywords=astronaut+toys&dpID=511GKDFkrjL&preST=\\_SY300\\_QL70\\_&dpSrc=srch](http://www.amazon.com/Space-Astronaut-Toy-Action-Figures/dp/B00V7IP2WA/ref=sr_1_1?s=toys-and-games&ie=UTF8&qid=1509693756&sr=1-1&keywords=astronaut+toys&dpID=511GKDFkrjL&preST=_SY300_QL70_&dpSrc=srch). An example of small toy astronauts that can be purchased in bulk.

**Store Finder (Games Workshop).** [www.games-workshop.com/en-US/store/storefinder.jsp](http://www.games-workshop.com/en-US/store/storefinder.jsp). A resource for finding official Games Workshop stores and licensed independent retailers.

**There's a Massive Crochet Scavenger Hunt Happening in New York City.**

[www.marthastewart.com/1512561/there-massive-crochet-savenger-hunt-happening-new-york-city](http://www.marthastewart.com/1512561/there-massive-crochet-savenger-hunt-happening-new-york-city). An article about Cindy Wang, a crafter who hid crocheted superheroes around New York City and used social media to promote the scavenger hunt for the dolls.

**Teen Book Club—Creating a Place to Read and Belong!** [www.teenlibrariantoolbox.com/2017/03/teen-book-club-creating-a-place-to-read-and-belong-a-guest-post-by-sheri-schubbe/](http://www.teenlibrariantoolbox.com/2017/03/teen-book-club-creating-a-place-to-read-and-belong-a-guest-post-by-sheri-schubbe/). Teen Librarian Toolbox provides advice for school and public librarians on partnering and building teen book clubs.

**Teen Book Clubs in Your Library.** [www.yalsa.ala.org/thehub/2015/12/11/teen-book-clubs-library/](http://www.yalsa.ala.org/thehub/2015/12/11/teen-book-clubs-library/). YALSA's *The Hub* interviews several different YA librarians about how they established, structured, and supplied their book clubs.

**Teen Science Café Network: Scientists & Teens Exploring Our World.** <https://teensciencecafe.org/>. A list of resources, topics, and a guide to starting your own teen-specific science café.

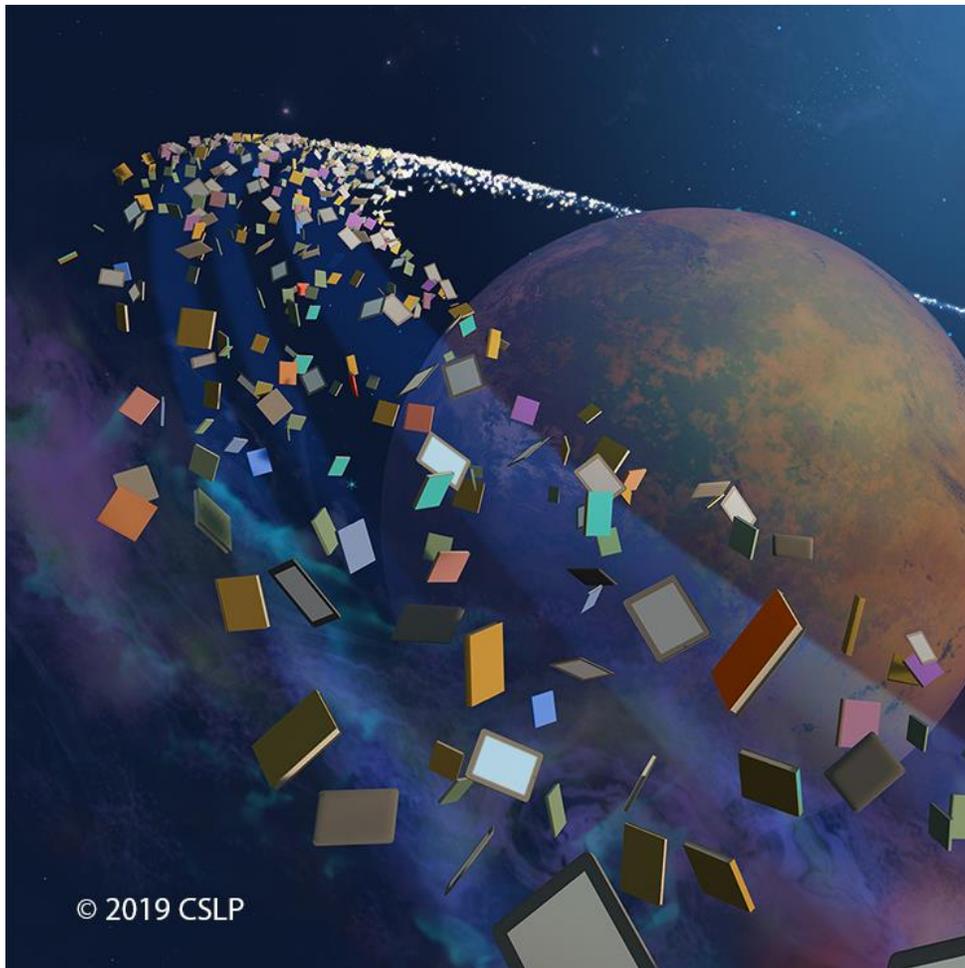
**The Unexpected Math Behind van Gogh's "Starry Night"—Natalya St. Clair.** <https://ed.ted.com/lessons/the-unexpected-math-behind-van-gogh-s-starry-night-natalya-st-clair>. An educational video on how *The Starry Night* accurately depicts turbulence.

**Vincent van Gogh: Emotion, Vision, and a Singular Style.** [www.moma.org/learn/moma\\_learning/vincent-van-gogh-the-starry-night-1889](http://www.moma.org/learn/moma_learning/vincent-van-gogh-the-starry-night-1889). The Museum of Modern Art's entry on van Gogh's *The Starry Night*, explaining his technique and the painting's history.

**Warhammer 40,000 Rules.** [www.games-workshop.com/en-DK/Warhammer-40000-Rules](http://www.games-workshop.com/en-DK/Warhammer-40000-Rules). This free PDF includes the core rules for Warhammer 40,000, including moving, shooting, and fighting, as well as a mission to get you started.

**Watch Emma Watson Leave Books Around the New York City Subway.** [www.vanityfair.com/style/2017/03/emma-watson-books-new-york-city-subway](http://www.vanityfair.com/style/2017/03/emma-watson-books-new-york-city-subway). An article on how the actress planted books around subway stations in order to promote reading, as part of the London-based organization Books on the Underground.

**What You Need to Host a Backyard Movie Theater Party.** <http://wholesomemommy.com/what-you-need-to-host-a-backyard-movie-theater-party/>. A list of the equipment you'll need for a small outdoor movie screening.



## ***Trekking Across Our Universe***



### **Books**

Aguilar, David A. *Space Encyclopedia: A Tour of Our Solar System and Beyond*. National Geographic Children's Books, 2013. 192 p. (978-1426309489). A tour of outer space explores the solar system as well as stars, galaxies, and the birth of planets, and speculates on whether other intelligent beings exist in the universe.

Bello, Kate. *Homemade Bath Bombs, Salts & Scrubs: 300 Natural Recipes for Luxurious Soaks*. Ulysses, 2015. 183 p. (978-1612434469, pap.). An extensive collection of recipes for bath bombs, bath salts, and scrubs, as well as information about the health benefits of using these products.

Bogard, Paul. *The End of Night: Searching for Natural Darkness in an Age of Artificial Light*. Back Bay, 2014. 352 p. (978-0316182911, pap.). A nonfiction writing instructor describes how modern artificial lights have changed the way humans experience darkness, mourning the fact that the primal dark sky can no longer influence science and art.

Capelotti, P.J. *The Human Archaeology of Space: Lunar, Planetary and Interstellar Relics of Exploration*. McFarland, 2010. 189 p. (978-0786458592, pap.). A catalog of archaeological artifacts that have been left behind in space as a result of human exploration, this work describes the remnants of lost satellites, discarded lunar rovers, depleted rockets, and various abandoned spacecraft. (McFarland Publishing)

Castellucci, Cecil. *Tin Star*. Square Fish, 2015. 233 p. (978-1250057006, pap.). Beaten and left for dead, 14-year-old Tula Bane finds herself abandoned on a space station called Yertina Feray after traveling with

the colonist group, Children of Earth.

Devorkin, David H. and Robert W. Smith. *The Hubble Cosmos: 25 Years of New Vistas in Space*. National Geographic Society, 2015. 222 p. (978-1426215575). Presents 25 key discoveries of the Hubble Space Telescope, describing the impact it has had on the current understanding of the solar system and the origins of the universe, and the inspiration it has provided to the public imagination.

\*Duncan, Alexandra. *Salvage*. Greenwillow, 2015. 536 p. (978-0062220158, pap.). Ava, a teenage girl living aboard the male-dominated, conservative deep-space merchant ship *Parastrata*, faces betrayal, banishment, and death. Taking her fate into her own hands, she flees to the Gyre, a floating continent of garbage and scrap in the Pacific Ocean. How will she build a future on an Earth ravaged by climate change?

\*Duncan, Alexandra. *Sound*. Greenwillow, 2016. 486 p. (978-0062220189, pap.). Ava's adopted sister takes a job as a research assistant on her first space voyage only to be recruited for a life-changing mission to rescue a boy from the space pirates who abducted him.

\*Duyvis, Corinne. *On the Edge of Gone*. Harry N. Abrams, 2016. 464 p. (978-1419719035). In Amsterdam, the Netherlands, in 2034, a comet is due to hit the Earth within the hour, and Denise, who is autistic, must try to find her missing sister and help her neglectful, undependable mother safely aboard a spaceship.

\*Edwards, Janet. *Earth Flight*. Pyr, 2015. 365 p. (978-1633880924). Jarra has become a celebrity, despite being designated as "Handicap" because she can't travel to other planets. Though she's managed to make important archaeological discoveries, not everyone is happy that she's become famous or that she's fallen in love with a "norm."

\*Edwards, Janet. *Earth Girl*. Pyr, 2013. 250 p. (978-1616147655). It's 2789, and Jarra has been abandoned on Earth. She is deemed to be "Handicap" because her immune system won't allow her to survive on other planets.

\*Edwards, Janet. *Earth Star*. Pyr, 2014. 287 p. (978-1616148973). In this sequel to *Earth Girl*, Jarra finds herself in the spotlight after being awarded military honors for her role in a daring rescue attempt. Despite her deeds, she is still derided as being an "ape" and "Handicap" because she can't leave Earth.

Faiola, Anne-Marie. *Pure Soapmaking: How to Create Nourishing, Natural Skin Care Soaps*. Storey, 2016. 239 p. (978-1612125336). A guide to making all-natural soaps using herbs and other organic ingredients.

Galat, Joan Marie. *Dark Matters: Nature's Reaction to Light Pollution*. Red Deer, 2017. 70 p. (978-0889955158). Blending science with a personal narrative, the author looks back on her childhood spent camping, her fascination with constellations, and passion for learning about animals. As an adult biologist, she examines how light pollution affects these interests.

Gill, David Macinnis. *Black Hole Sun*. Greenwillow, 2012. 362 p. (978-0061673061, pap.). On the planet Mars, 16-year-old Durango and his crew of mercenaries are hired by the settlers of a mining community to protect their most valuable resource from a feral band of marauders.

Gill, David Macinnis. *Invisible Sun*. Greenwillow, 2013. 388 p. (978-0062073334, pap.). A sequel to *Black Hole Sun* finds mercenary Durango emerging from a quest to save the world only to be sent on a new mission that both infuriates his loved ones and risks their lives.

Gill, David Macinnis. *Shadow on the Sun*. Greenwillow, 2017. 432 p. (978-0062073365, pap.). A companion to *Invisible Sun* and *Black Hole Sun* follows the continued efforts of Durango and his witty nano-implant Mimi to outmaneuver Durango's ambitious father while Vienne struggles to find Durango before it is too late.

Goldstein, Margaret J. *Garbage in Space: A Space Discovery Guide*. Lerner, 2017. 48 p. (978-1512425901). Explores the problem of space junk that clutters Earth's orbit and details the ways in which NASA and other organizations are trying to solve this problem.

Gray, Claudia. *Defy the Stars*. Little, Brown, 2017. 503 p. (978-0316394031). Teenaged soldier Noemi and an enemy robot, Abel, who is programmed to obey her commands, set out on an interstellar quest to

save her home planet, Earth colony Genesis.

James, Nick. *Crimson Rising*. Flux, 2012. 355 p. (978-0738723426, pap.). When 15-year-old Jesse manages to smuggle a mysterious red Pearl, a fragment of space debris that is a dying Earth's most important energy source, he sets forth a destructive chain of events.

James, Nick. *The Pearl Wars*. Flux, 2011. 376 p. (978-0738736372, pap.). Sworn enemies Jesse Fisher and Cassius Stevenson cross paths when they both venture into forbidden territory in pursuit of Pearls - small, mysterious orbs that fall from space and are capable of supplying enough energy to power entire cities.

James, Nick. *Strikeforce*. Flux, 2013. 353 p. (978-0738723426, pap.). When Earth comes under attack by alien forces, Cassius and his brother, Jesse, become key leaders in marshaling the planet's remaining forces only to be further challenged by shifting alliances, sabotaging traitors, and a development that requires an ultimate sacrifice.

\*Kaczynski, Heather. *Dare Mighty Things*. Harperteen, 2017. 377 p. (978-0062479860). Genetically engineered Cassandra Gupta's entire life has been leading up to the opportunity to travel to space. But she must compete against the best people on the planet to earn a place on a mission with a hidden objective.

Kennedy, Katie. *What Goes Up*. Bloomsbury Children's Books, 2017. 327 p. (978-1619639126). Teenagers Rosa and Eddie, trainees in a top-secret space exploration and research program, must thwart the aliens' Earth-destroying mission by stealing their spacecraft and traveling extra-dimensionally to an alternate Earth.

Kenney, Karen Latchana. *Exoplanets: Worlds Beyond Our Solar System*. Twenty First Century, 2017. 88 p. (978-1512400861). Learn about the planets that exist outside of our solar system, and the actions scientists are taking to learn more about them.

Lake, Nick. *Satellite*. Alfred A. Knopf, 2017. 453 p. (978-1524713539). A teen born in space makes his first trip to Earth after being raised by teams of astronauts, a visit that proves to be more treacherous than anticipated.

\*Lukens, F.T. *The Star Host*. Duet, 2016. 240 p. (978-1941530726, pap.). When Ren is kidnapped from his backwater planet by the despotic Baron, he discovers that the legends his mother told him about the Star Hosts are true, and that he is one of them.

Maberry, Jonathan. *Mars One*. Simon & Schuster, 2017. 435 p. (978-1481461610). When his family is chosen for a first mission to colonize Mars, Tristan reluctantly says goodbye to his girlfriend before the sabotaging acts of a terrorist group make him question the mission's purpose.

Mason Crest. **The Solar System series**. Multiple titles. Mason Crest, 2016. 40–48 p. (ISBNs vary). A series of informational texts on the solar system, examining Earth, the Sun, near and distant planets, as well as comets and meteors.

Morgan, Ben, editor. *The Planets*. DK, 2014. 256 p. (978-1465424648). This overview of the planets features 3-D models and cross sections of planets and moons in the solar system, as well as timelines chronicling major space missions and a variety of infographics.

Morgan, Ben, editor. *Space! The Universe as You've Never Seen It Before*. DK, 2015. 208 p. (978-1465438065). This title combines computer-generated 3-D images with facts about subjects ranging from black holes and the big bang theory to the planets and rover technology.

Nix, Garth. *A Confusion of Princes*. HarperCollins, 2013. 337 p. (978-0060096960, pap.). Battling aliens, space pirates, and competitors, Prince Khemri meets a young woman named Raine, and learns more than he expected about the hidden workings of a vast, intergalactic empire and about himself.

\*North, Phoebe. *Starglass*. Simon & Schuster, 2014. 441 p. (978-1442459540, pap.). For all of her 16 years, Terra has lived in a city within a spaceship that left Earth 500 years ago seeking refuge, but as they finally approach the chosen planet, she is drawn into a secret rebellion that could change the fate of her people.

\*North, Ryan. *The Midas Flesh I*. Boom! Studios, 2014. 128 p. (978-1608864553, pap.). Joey and her crew go to Earth—a planet that's been abandoned - to find the body of the legendary King Midas. Due to

its curse, it has become a powerful weapon.

\*North, Ryan. *The Midas Flesh 2*. Boom! Studios, 2015. 128 p. (978-1608867271, pap.). Having found the body of King Midas, Joey and her space crew turn it into a weapon that can turn any planet into gold.

Pyper, Brittanie. *Adorkable Bubble Bath Crafts: 50 Easy, Geeky-Clean Crafts to Make Kid's Bath Time Awesome*. Page Street, 2017. 143 p. (978-1624143755, pap.). Themed recipes for making products like soaps, sugar scrubs, bath bombs, bath crayons, and bath salts.

Revis, Beth. *Across the Universe*. Razorbill, 2011. 398 p. (978-1595144676, pap.). Amy joins her parents as frozen cargo aboard the vast spaceship *Godspeed* and expects to awaken on a new planet 300 years in the future, but her frozen slumber abruptly ends when someone on board the ship tries to murder her.

Revis, Beth. *A Million Suns*. Razorbill, 2012. 404 p. (978-1595145376, pap.). Three months after Amy is disconnected from her family, she learns harrowing news about the spaceship *Godspeed* and accompanies Elder on a race to unlock a puzzle that was set in motion centuries earlier, a situation that is complicated by their growing feelings for each other.

Revis, Beth. *Shades of Earth*. Razorbill, 2013. 441 p. (9781595146151, pap.). Amy hopes to reach her long-sought new home on Centauri-Earth, while she and Elder confront unexpected dangers that threaten their colony and challenge their views on what it means to be human..

Ryan, Amy Kathleen. *Flame*. Griffin, 2012. 326 p. (978-0312621360, pap.). Waverly, Kieran, and Seth are trapped with their enemies on board the *New Horizon*, where Kieran doubts the intentions of a power-seeking Anne Mather, and Waverly clashes with Kieran over her cooperation with a mysterious elderly man.

Ryan, Amy Kathleen. *Glow*. Griffin, 2012. 318 p. (978-1250007834, pap.). Part of the first generation to be conceived in deep space, 15-year-old Waverly is expected to marry young and have children to populate a new planet, but a violent betrayal by the dogmatic leader of their sister ship could have devastating consequences.

Ryan, Amy Kathleen. *Spark*. Griffin, 2013. 309 p. (9781250031952, pap.). Waverly and Kieran are finally reunited on the *Empyrean*, but when Seth is released from the brig the night of an explosion that sends the ship off-course, tensions reach a boiling point, as Waverly ponders following her heart.

Schilling, Govert. *Deep Space: Beyond the Solar System to the End of the Universe and the Beginning of Time*. Black Dog & Leventhal, 2014. 224 p. (978-1579129781). An extensive collection of photographs and illustrations, as well as a star atlas, that explores the mysteries of space that lie beyond our solar system.

Sparrow, Giles, Judith John, and Chris McNab, editors. *The Solar System*. Cavendish Square, 2016. 80 p. (978-1502610188). Provides an overview of the solar system, including profiles of each planet, related facts, and a discussion of moon systems.

Thompson, Craig. *Space Dumplins*. Graphix, 2015. 310 p. (9780545565431, pap.). Violet Marlocke sets out with a group of misfit friends on an outer space mission to find and rescue her father, who has disappeared during a dangerous job.

Trefil, James. *Space Atlas: Mapping the Universe and Beyond*. National Geographic Society, 2012. 335 p. (978-1426209710). An illustrated tour of the universe, beginning in our own solar system before moving on to the Milky Way galaxy and finally on to the building blocks of the universe, including dark matter and dark energy.

Tyson, Neil deGrasse. *Death by Black Hole: And Other Cosmic Quandaries*. W.W. Norton, 2014. 384 p. (978-0393350388, pap.). A collection of essays on the cosmos, written by an American Museum of Natural History astrophysicist, includes "Holy Wars," "Ends of the World," and "Hollywood Nights."

Young, Karen Romano. *Space Junk: The Dangers of Polluting Earth's Orbit*. Twenty First Century, 2016. 64 p. (978-1467756006). Examines the proliferation of space debris in outer space and discusses methods of retrieving and disposing of the material.

\*Yukimura, Makoto. *Planetes Omnibus 1*. Dark Horse Manga, 2015. 528 p. (978-1616559212, pap.). This manga follows the lives of three interplanetary space debris collectors, each with their own dreams

and personal problems.

\*Yukimura, Makoto. *Planetes Omnibus 2*. Dark Horse Manga, 2016. 524 p. (978-1616559229, pap.). This second volume continues to follow the adventures of three interplanetary space debris collectors. As one joins a mission to Jupiter, the others refuse to abandon their jobs even as the planet is facing a war that could set off the Kessler syndrome.

## Movie/DVD

Stanton, Andrew, director. *WALL-E*. Walt Disney Pictures, 2008. 98 min. (G). WALL-E is a waste-collecting robot who lives on an Earth abandoned by humans. When he discovers a plant growing in the waste, it sets off a journey into space that will ultimately decide the fate of humankind.

## Web Resources

**100 More Great Escape Room Puzzle Ideas.** <http://blog.nowescape.com/100-more-great-escape-room-puzzle-ideas/>. An article listing different kinds of puzzles that can be used in commercial escape rooms, with several that can be adapted to library programming.

**All About Space Junk.** <https://futurism.com/images/junkyard-in-the-sky-earths-space-junk-problem-infographic/>. An infographic about the history of space debris, its origins, and notable objects that have fallen back to earth.

**Astromaterials Research & Exploration Science.** <https://orbitaldebris.jsc.nasa.gov/>. The official web page of the NASA Orbital Debris Program Office, with information about cataloging debris, research about the issue, and photographs.

**Dark Skies Rangers: Dark Skies and Energy Education.** [www.globeatnight.org/dsr/](http://www.globeatnight.org/dsr/). An extensive assortment of light pollution-related activities, worksheets, guides, and other resources, provided by the National Optical Astronomy Observatory.

**De-light the Night (Light Pollution Solutions).** [www.youtube.com/watch?v=-xSv33prmGY](http://www.youtube.com/watch?v=-xSv33prmGY). A TEDx Talk by astronomer and Carnegie Mellon University lecturer Diane Turnshek outlining a series of changes humans can make to fight light pollution.

**DIY Bath Bombs.** <http://inspiredbycharm.com/2016/09/diy-bath-bombs.html>. Step-by-step instructions for making a basic bath bomb.

**DIY Heart Emoji Pillows.** [www.lifeannstyle.com/2015/01/diy-heart-emoji-pillows/](http://www.lifeannstyle.com/2015/01/diy-heart-emoji-pillows/). Step-by-step instructions, with pictures and video, on how to make a circular pillow with an emoji face.

**Dorm Crafts: Easy No-Sew Fleece Pillows.** [www.thespruce.com/dorm-crafts-no-sew-fleece-pillows-3570005](http://www.thespruce.com/dorm-crafts-no-sew-fleece-pillows-3570005). Instructions for making a pillow that ties together with a fringe and could be used as an alternative sun pattern.

**Education and Public Engagement: Quality Lighting Teaching Kit.**

[www.noao.edu/education/qltkit.php](http://www.noao.edu/education/qltkit.php). Educational resources that include several activities that explore quality lighting through problem-based learning.

**Escape Rooms: Escape the Ordinary.** [www.teenservicesunderground.com/escape-rooms-escape-the-ordinary/](http://www.teenservicesunderground.com/escape-rooms-escape-the-ordinary/). The Teen Services Underground blog outlines how the Fairfield Public Library hosted an escape room, including a manual that provides technical details on how to create a similar program at your library. This blog offers several entries on escape-room programming.

**Fun Science for a Space Theme: Fizzing Planets.** <https://fun-a-day.com/fun-science-space-theme-fizzing-planets/>. A simple recipe for making a fizzing science experiment.

**Harry Potter Escape Room.** [www.teenservicesunderground.com/harry-potter-escape-room/](http://www.teenservicesunderground.com/harry-potter-escape-room/). This Teen Services Underground blog entry offers detailed instructions about creating a Harry Potter-themed escape room, along with resources. This blog offers several entries on escape-room programming.

**How to Make a Model of the Solar System: A Guest Post by Joe Butterworth (Age Almost 13).** [www.hodgepodgecraft.com/how-to-make-a-model-of-the-solar-system/](http://www.hodgepodgecraft.com/how-to-make-a-model-of-the-solar-system/). Detailed crafting instructions for making the planets and a model solar system.

**How to Paint a Watercolor Galaxy.**

[www.youtube.com/watch?annotation\\_id=annotation\\_400713385&feature=iv&src\\_vid=ZFVLLjS912E&v=Px016xgwZrM](http://www.youtube.com/watch?annotation_id=annotation_400713385&feature=iv&src_vid=ZFVLLjS912E&v=Px016xgwZrM). A video tutorial on painting a galaxy using watercolors.

**How to Paint Space in Acrylic with Kids.** [www.adventure-in-a-box.com/how-to-paint-space-in-acrylic-with-kids/](http://www.adventure-in-a-box.com/how-to-paint-space-in-acrylic-with-kids/). Pictures and a video illustrate these directions for making messy space paintings.

**How to Paint Space in Watercolors with Kids.** [www.adventure-in-a-box.com/painting-space-watercolours-kids/](http://www.adventure-in-a-box.com/painting-space-watercolours-kids/). Outlines techniques for creating a watercolor galaxy.

**How To: Solar System Mobile.** [www.alannageorge.com/2012/09/13/how-to-solar-system-mobile/](http://www.alannageorge.com/2012/09/13/how-to-solar-system-mobile/). A crafting blog with instructions on making a mobile of our solar system.

**How to Use Fortune Tellers as a Revision Aid.** [www.instructables.com/id/How-to-use-Fortune-Tellers-as-a-Revision-Aid/](http://www.instructables.com/id/How-to-use-Fortune-Tellers-as-a-Revision-Aid/). Step-by-step instructions on how to make an origami fortune-teller and use it for educational purposes.

**How Your Cell Phone Is Destroying Your Sleep: Blue Light Sleep Effects.**

[www.youtube.com/watch?v=NqG-9iL2ISI](http://www.youtube.com/watch?v=NqG-9iL2ISI). A video explaining how artificial blue light can affect our bodies' circadian rhythm, and potential solutions.

**International Dark-Sky Association.** [www.darksky.org](http://www.darksky.org). Official website of the International Dark-Sky Association, an organization dedicated to raising awareness of light pollution and advocating for night-sky conservation.

**Lesson Plan: Which Way to the Ocean?** [www.pbs.org/pov/citydark/lesson-plan/](http://www.pbs.org/pov/citydark/lesson-plan/). A lesson on how light pollution has affected the loggerhead turtle species, designed for grades 6–12.

**Light Pollution Is More Dangerous Than You Think.** [www.youtube.com/watch?v=sYAzTYmXMBg](http://www.youtube.com/watch?v=sYAzTYmXMBg). A video outlining the ways that light pollution affects animals like sea turtles, birds, and salamanders, as well as humans.

**List of Fictional Spacecraft.** [https://en.wikipedia.org/wiki/List\\_of\\_fictional\\_spacecraft](https://en.wikipedia.org/wiki/List_of_fictional_spacecraft). A Wikipedia entry gathering a list of space stations and ships from fictional universes such as *Star Trek*, *Star Wars*, *Battlestar Galactica*, *Doctor Who*, and many other sources.

**Lock Paper Scissors.** <https://lockpaperscissors.co/>. Downloadable escape-room scenarios, as well as kits, are available for purchase so you can run your own escape room from any location.

**Make a Unique Solar System Diorama.** [www.stormthecastle.com/diorama/solar-system-diorama/make-a-solar-system-diorama.htm](http://www.stormthecastle.com/diorama/solar-system-diorama/make-a-solar-system-diorama.htm). Directions for making a solar system diorama that also functions like a kind of telescope.

**Make Your Own Bath Bombs \*LUSH Inspired\*.** [www.muffinchanel.com/2016/03/make-your-own-bath-bombs-lush-inspired/](http://www.muffinchanel.com/2016/03/make-your-own-bath-bombs-lush-inspired/). A detailed recipe and instructions for making bath bombs.

**NASA Science: Solar System Exploration.** <https://solarsystem.nasa.gov/solar-system/our-solar-system/overview/>. An overview of the solar system's planets, small bodies, moons, regions, and stars.

**Planets.** [http://kids.nationalgeographic.com/explore/adventure\\_pass/weird-but-true/planets/#WBT2\\_43.png](http://kids.nationalgeographic.com/explore/adventure_pass/weird-but-true/planets/#WBT2_43.png). A National Geographic guide to the solar system, with pictures, videos, and games.

**Sea Fever.** [www.poetryfoundation.org/poems/54932/sea-fever-56d235e0d871e](http://www.poetryfoundation.org/poems/54932/sea-fever-56d235e0d871e). The text of John Masfield's poem "Sea Fever" as provided by the Poetry Foundation.

**Size Comparison—Science Fiction Spaceships.** <https://dirkloechel.deviantart.com/art/Size-Comparison-Science-Fiction-Spaceships-398790051>. An artist's depiction of a massive assortment of science fiction spaceships in a detailed chart, available for reuse by the artist.

**Space Debris and Human Spacecraft.** [www.nasa.gov/mission\\_pages/station/news/orbital\\_debris.html](http://www.nasa.gov/mission_pages/station/news/orbital_debris.html). An article from NASA about the way space debris is tracked and planned for, particularly in regards to the International Space Station.

**Space Junk Explained: How Orbital Debris Threatens Future of Spaceflight.** [www.space.com/23039-space-junk-explained-orbital-debris-infographic.html?cmpid=518257](http://www.space.com/23039-space-junk-explained-orbital-debris-infographic.html?cmpid=518257). An article and infographic about

the dangers posed by space debris and proposed methods of removing it.

**Space Stained Glass Suncatchers.** [www.adventure-in-a-box.com/space-stained-glass-suncatchers/](http://www.adventure-in-a-box.com/space-stained-glass-suncatchers/). Instructions for making a space-themed suncatcher using transparent paint and a plastic plate. An alternative to canvas painting.

**Spectacular Summer Science: Nocturnal Animals and Light Pollution.** <http://blog.growingwithscience.com/2016/08/spectacular-summer-science-nocturnal-animals-and-light-pollution/>. Informational resources on light pollution, along with several related activities.

**Sorting Through Our Space Junk.** [www.worldsciencefestival.com/infographics/space-junk-infographic/](http://www.worldsciencefestival.com/infographics/space-junk-infographic/). A brief infographic about some of the more unusual items of space debris.

**Teen Programs in a Box: Build an Escape Room by Michelle Biwer.** [www.teenlibrariantoolbox.com/2017/06/build-an-escape-room-by-michelle-biwer/](http://www.teenlibrariantoolbox.com/2017/06/build-an-escape-room-by-michelle-biwer/). A short guide with additional resources for any librarian considering planning an escape room.

**Ten Fictional Spacecraft We Wish Were Real.** <https://science.howstuffworks.com/10-fictional-spacecraft-we-wish-were-real.htm>. A top-ten list of spacecraft that would benefit humanity in a meaningful way, compiled by HowStuffWorks.

**Top 100 Images: Hubble Space Telescope.** [www.spacetelescope.org/images/archive/top100/](http://www.spacetelescope.org/images/archive/top100/). The European Space Agency's collection of the top 100 images taken from the Hubble Space Telescope.

**What Major World Cities Look like at Night, Minus the Light Pollution.** [www.smithsonianmag.com/science-nature/what-major-world-cities-look-like-at-night-minus-the-light-pollution-12087147/](http://www.smithsonianmag.com/science-nature/what-major-world-cities-look-like-at-night-minus-the-light-pollution-12087147/). The Smithsonian's article about photographer Thierry Cohen's display featuring famous cities darkened to view the night sky.

**What Makes You Tick: Circadian Rhythms.** [www.youtube.com/watch?v=2BoLqqNugwA](http://www.youtube.com/watch?v=2BoLqqNugwA). A video from OxfordSparks on how our bodies are controlled by circadian rhythms and how teens' circadian rhythms change during adolescence.

**Where Are the Stars? See How Light Pollution Affects Night Skies.** [www.youtube.com/watch?v=0FXJUP6\\_O1w](http://www.youtube.com/watch?v=0FXJUP6_O1w). A National Geographic video depicting light pollution levels in different areas of California and Oregon.

**Why We Need Darkness to Survive.** [www.youtube.com/watch?v=C\\_9f7Qq4YZc](http://www.youtube.com/watch?v=C_9f7Qq4YZc). A TEDx talk by Diane Knutson, a former park ranger, who lectures about the impact of light pollution on our entire ecosystem and actions that we can take to combat it.

**Wikihow: Make a Solar System Mobile.** [www.wikihow.com/Make-a-Solar-System-Mobile](http://www.wikihow.com/Make-a-Solar-System-Mobile). Step-by-step instructions on researching, designing, and constructing a solar system model.



## ***A Sky Full of Stories***



### **Books**

\*Abdel-Fattah, Randa. *The Lines We Cross*. Scholastic, 2017. 400 p. (978-1338118667). Michael's parents are leaders of a new anti-immigrant political party; Mina fled Afghanistan with her family 10 years ago, and just wants to concentrate on fitting in and getting into college. When the two become friends, Michael begins to question his family's politics.

\*Albertalli, Becky. *Simon vs. the Homo Sapiens Agenda*. Balzer & Bray, 2015. 303 p. (978-0062348678). Sixteen-year-old, not-so-openly-gay Simon Spier is blackmailed into playing wingman for his classmate or else his sexual identity—and that of his pen pal—will be revealed.

\*Alifirenka, Caitlin and Martin Ganda, with Liz Welch. *I Will Always Write Back: How One Later Changed Two Lives*. Little, Brown & Co., 2016. 402 p. (978-0316241335, pap.). Traces the friendship between an American girl and her pen pal from an impoverished region of Zimbabwe, describing how 12-year-old Caitlin wrote to an unknown student for a class assignment and shared a life-changing six-year correspondence.

\*Allen, Jennifer. *Malama Honua: Hōkūle'a—A Voyage of Hope*. Patagonia, 2017. 351 p. (978-1938340697). The *Hōkūle'a* was launched in Hawaii in 2014 and traveled 60,000 miles around the world, to 23 different countries. The double-hulled voyaging canoe's journey is documented through interviews with crew members, scientists, and educators.

Amoruso, Sophia. *#GIRLBOSS*. Portfolio, 2015. 239 p. (978-1591847939, pap.). The founder of Nasty Gal fashion shares a manifesto for ambitious young women that explains how to channel personal passion and energy while overcoming insecurities, outlining advice on doing work and garnering recognition.

Anderson, Chris. *TED Talks: The Official TED Guide to Public Speaking*. Mariner, 2017. 288 p. (978-1328710284, pap.). Chris Anderson, head of TED since 2001, explains how to develop one's unique public-speaking and communication skills.

Anderson, Jennifer Joline. *Writing Fantastic Fiction*. Lerner Classroom, 2015. 56 p. (978-1467782906, pap.). Presents a guide to writing fiction pieces and provides instruction on such writing techniques as gathering inspiration—developing characters, setting, and plot—and revising rough drafts.

\*Anderson, Jodi Lynn. *Tiger Lily*. HarperTeen, 2013. 292 p. (978-0062003263, pap.). Fifteen-year-old Tiger Lily receives special protections from the spiritual forces of Neverland, but then she meets her tribe's most dangerous enemy—Peter Pan—and falls in love with him.

Bardugo, Leigh. *Six of Crows*. Square Fish, 2018. 512 p. (978-1250076960, pap.). Six dangerous outcasts must learn to work together after they are offered an impossible heist that can save the world from destruction.

Barrett, Tracy. *King of Ithaka*. Square Fish, 2014. 261 p. (978-0312551483, pap.). When 16-year-old Telemachos and his two best friends, one a centaur, leave their life of privilege to undertake a quest to find Telemachos's father, Odysseus, they learn much along the way about what it means to be a man and a king.

Berson, David. *Celestial Navigation: A Practical Guide to Knowing Where You Are*. Seahorse, 2018. 224 p. (978-1944824020). A textbook for learning celestial navigation techniques, combining modern and traditional methods.

Black, Holly. *The Coldest Girl in Coldtown*. Little, Brown, 2014. 419 p. (978-0316213097, pap.). When Tana wakes up in the aftermath of a violent vampire attack, she travels to Coldtown, a quarantined Massachusetts city full of vampires, with her ex-boyfriend and a mysterious vampire boy in tow.

Blake, Kendare. *Three Dark Crowns*. HarperTeen, 2016. 398 p. (978-0062385437). On the island of Fennbirn, triplet sisters who each wield a coveted magic skill and claim an equal right to the throne must fight to the death when they turn 16 for the title of Queen Crowned.

\*Block, Francesca Lia. *Dangerous Angels: The Weetzie Bat Books*. HarperTeen, 2010. 478 p. (978-0062007407, pap.). Presents five novels of life in modern Los Angeles, where Weetzie Bat and her friends and family interact with ghosts from their past and with each other as they search for love, connection, and acceptance.

Brewer, Heather. *The Cemetery Boys*. HarperTeen, 2016. 304 p. (978-0062307897, pap.). When Stephen moves to the small, midwestern town where his father grew up, he quickly falls in with punk girl Cara and her charismatic twin brother, Devon; but the town has a dark secret, and the twins are caught in the middle of it.

Brosh, Allie. *Hyperbole and a Half: Unfortunate Situations, Flawed Coping Mechanisms, Mayhem, and Other Things That Happened*. Touchstone, 2013. 369 p. (9781-451666175, pap.). A collection of illustrated autobiographical essays and cartoons from the author's blog. Brosh humorously and candidly reveals her own idiosyncrasies and battles with depression.

Carson, Rae. *Walk on Earth a Stranger*. Greenwillow, 2016. 453 p. (978-0062242921, pap.). Set in the early 1800s, this is the story of Leah Westfall, who has a secret talent—she can sense the presence of gold around her. When her parents are robbed and murdered, Leah disguises herself as a boy and leaves George for the gold rush in California.

Cashore, Kristin. *Graceling*. Houghton Mifflin Harcourt, 2009. 471 p. (978-0547258300, pap.). In a world where some are born with powerful skills and talents called Graces, Katsa's Grace has made her a tool of torture for her uncle, the king. She struggles to redeem herself and fight back, teaming up with another young fighter.

Castellucci, Cecil, and Nate Powell. *The Year of the Beasts*. Square Fish, 2014. 175 p. (978-1250050762, pap.). Tessa tries not to let jealousy invade her relationship with her younger sister, Lulu, when Tessa's crush, Charlie, falls for Lulu, but the occurrence sets in motion a course of events that puts everyone's love and friendship to the test. Chapters alternate between prose and graphic-novel format.

\*Chbosky, Stephen. *The Perks of Being a Wallflower*. MTV, 2012. 213 p. (978-1451696196, pap.). Charlie struggles to cope with the complex world of high school as he deals with the confusions of sex and love, the temptations of drugs, and the pain of losing a close friend and a favorite aunt.

\*Chmakova, Svetlana. *Awkward*. JY, 2015. 210 p. (978-0316381307, pap.). After shunning Jaime, the school nerd, on her first day at a new middle school, Penelope Torres tries to blend in with her new friends in the art club, until the art club goes to war with the science club, of which Jaime is a member.

\*Cliff, Tony. *Delilah Dirk and the Turkish Lieutenant*. First Second, 2013. 167 p. (978-1596438132, pap.). Nineteenth-century adventurer Delilah Dirk plots to rob a rich and corrupt sultan in Constantinople with the aid of her flying boat and her newfound friend, Selim.

D'Aulaire, Ingri, and Edgar Parin d'Aulaire. *D'Aulaires' Book of Greek Myths*. Delacorte Books for Young Readers, 1992. 192 p. (978-0440406945, pap.). Learn about Greek gods in an illustrated storybook.

Dickinson, Terence. *Nightwatch: A Practical Guide to Viewing the Universe: Revised and Updated*. Firefly, 2006. 192 p. (978-1554071470). A reference guide for stargazers, offering star charts and information on equipment, planets, and stellar photography. This edition has been updated for use through 2025.

Doctorow, Cory. *Little Brother*. Tor Teen, 2010. 416 p. (978-0765323118, pap.). Marcus usually uses his hacking skills to outwit his school's surveillance. But when a terrorist attack takes place in San Francisco, Marcus and his friends are arrested in the aftermath and brutally interrogated. When released, Marcus finds his city has drastically changed.

Elliott, David. *Bull*. Houghton Mifflin Harcourt, 2017. 189 p. (978-0544610606). Presents a darkly humorous, modern twist on the Theseus and Minotaur myth, told in verse.

Fforde, Jasper. *The Last Dragonslayer*. Houghton Mifflin Harcourt, 2013. 287 p. (978-0544104716, pap.). As magic fades from the world, Jennifer Strange is having trouble keeping her magician employment agency business afloat, until she begins having visions that foretell the death of the last dragon and the coming of Big Magic.

Flinn, Alex. *Beastly*. HarperTeen, 2012. 512 p. (978-0062113917, pap.). Presents a modern retelling of "Beauty and the Beast" from the point of view of the Beast, a vain Manhattan private-school student who is turned into a monster and must find true love before he can return to his human form.

Foglio, Phil, and Kaja Foglio. **Girl Genius series**. Multiple titles. Studio Foglio, 2001–2017. 96–168 p. (ISBNs vary, pap.). In a world that revolves around mad scientists known as Sparks, Agatha discovers that she not only is a Spark, but she's a part of the Heterodyne family, one of the most powerful—and typically evil—families to have existed.

Forman, Gayle. *If I Stay*. Speak, 2014. 304 p. (978-0147514530, pap.). Seventeen-year-old Mia is in a coma after an automobile accident that killed her parents and younger brother. As Mia, a gifted cellist, weighs the decision to live or join her family in death, she looks back on her life so far.

\*Fraction, Matt. **Hawkeye series**. Multiple titles. Marvel Enterprises, 2013–2015. 120–160 p. (ISBNs vary, pap.). While Clint Barton—or Hawkeye—is a member of the Avengers, he uses his spare time to combat a Russian gang in New York City, infiltrate a high-stakes villain auction with Young Avenger Kate Bishop, and take over managing an apartment complex.

Gagnon, Michelle. *Don't Turn Around*. HarperCollins, 2013. 310 p. (978-0062102911, pap.). Since her parents died, 16-year-old Noa has used her hacking skills to keep herself safe. But after waking up on an operating table with no memory of how she got there, Noa realizes that she'll need help to discover who's hunting her and why.

Gaiman, Neil. *The Sleeper and the Spindle*. HarperCollins, 2015. 66 p. (978-0062398246). A young queen sets out to rescue a princess from an enchantment. She casts aside her wedding clothes and takes her chain mail and her sword, following her retainers into the tunnels under the mountain towards the sleeping kingdom. But the princess who needs rescuing is not what she seems.

Gaiman, Neil, and Terry Pratchett. *Good Omens*. Avon, 2007. 384 p. (978-0060853976, pap.). The world is going to end next Saturday, but there are a few problems—the Antichrist has been misplaced, the Four Horsemen of the Apocalypse ride motorcycles, and the representatives from heaven and hell decide that they like the human race.

Gaiman, Neil, and Michael Reaves. *Interworld*. HarperTeen, 2013. 264 p. (978-0062125309, pap.). Directionally challenged, Joey Harker, after discovering that he has the power to travel between dimensions, walks right out of his universe and into the middle of an epic battle between good and evil.

Geras, Adèle. *Troy*. Houghton Mifflin Harcourt, 2017. 357 p. (978-0544925465, pap.). Told from the point of view of the women of Troy, this story portrays the last weeks of the Trojan War, when women are sick of tending the wounded, men are tired of fighting, and bored gods and goddesses find ways to stir things up.

Gottschall, Jonathan. *The Storytelling Animal: How Stories Make Us Human*. Mariner, 2013. 272 p. (978-0544002340, pap.). Explores the latest beliefs about why people tell stories and what stories reveal about human nature, offering insights into such related topics as universal themes and what it means to have a storytelling brain.

\*Haddon, Mark. *The Curious Incident of the Dog in the Night-Time*. Vintage, 2004. 226 p. (978-1400032716, pap.). Despite his overwhelming fear of interacting with people, Christopher, a

mathematically gifted, autistic boy, decides to investigate the murder of a neighbor's dog and uncovers secret information about his mother.

Hamilton, Edith. *Mythology: Timeless Tales of Gods and Heroes*. Black Dog & Leventhal, 2017. 371 p. (978-0316438520). A classic collection of Greek and Roman myths arranged in sections on the gods and early heroes, love and adventure stories, and the Trojan War, as well as a brief section on Norse mythology, now with illustrations.

Hartman, Rachel. *Seraphina*. Ember, 2014. 515 p. (978-0375866227, pap.). In a world where dragons and humans coexist and dragons can assume human form, Seraphina, whose mother died giving birth to her, grapples with her own identity while she struggles to accept and develop her musical talents.

Headley, Maria Dahvana. *Magonia*. HarperCollins, 2016. 336 p. (978-0062320537, pap.). Aza has a disease so rare, it's named after her. And while she's been diagnosed as terminally ill, she's unprepared for when she dies, and even more so when she finds herself suddenly transported to a massive airship.

Heifetz, Milton D., and Wil Tirion. *A Walk Through the Heavens: A Guide to Stars and Constellations and Their Legends*. Cambridge University Press, 2017. 106 p. (978-1316645512, pap.). A guide to the constellations of the Northern Hemisphere, as well as associated myths and legends.

Hensley, Joy N. *Rites of Passage*. HarperTeen, 2014. 401 p. (978-0062295194). Accepting a dare issued by her brother before his death, Sam McKenna joins the first-ever class of girls at a military academy and finds herself targeted by brutal male classmates whose actions are prompted by a secret society.

Hillyer, Lexa. *Proof of Forever*. HarperTeen, 2016. 339 p. (978-0062330383, pap.). Magically transported back in time to the summer when they were 15 years old, four estranged former best friends revisit events, interpersonal dynamics, and a devastating secret that led to their separation.

Hodge, Rosamund. *Crimson Bound*. Balzer & Bray, 2016. 441 p. (978-0062224774, pap.). Based loosely on "Little Red Riding Hood" and a lesser-known story, "The Girl with No Hands," this is the story of Rachele, a girl who ignored her mother's warning and wandered into the woods, becoming marked by the firstborn and forced to kill or be killed.

\*Howe, K.R., editor. *Vaka Moana: Voyages of the Ancestors*. University of Hawaii Press, 2007. 368 p. (978-0824832131). An illustrated and accessible account of the history of Pacific Islander voyaging, with pictures, artifacts, maps, and diagrams.

Kagawa, Julie. *Talon*. Harlequin Teen, 2016. 458 p. (978-0373212156, pap.). In a world in which near-extinct dragons pass as humans to grow their numbers secretly, siblings Ember and Dante Hill prepare for destined positions in the world of Talon, only to be hunted by a dragon-slaying soldier.

\*Kaling, Mindy. *Is Everyone Hanging Out Without Me? (And Other Concerns)*. Three Rivers, 2012. 222 p. (978-0307886279, pap.). The Emmy-nominated writer and actress shares her observations on a range of topics, including her favorite male archetypes, her hatred of dieting, her loving relationship with her mother, and the haphazard creative writing process.

Keplinger, Kody. *The DUFF: Designated Ugly Fat Friend*. Poppy, 2015. (978-0316381802, pap.). Seventeen-year-old Bianca Piper starts having sex with Wesley Rush, who disgusts her, in order to distract herself from her personal problems. To her surprise, the two of them have more in common than she would've ever imagined, and she finds herself falling for the guy she thought she hated most in the world.

\*Kiely, Brendan. *The Last True Love Story*. Margaret K. McElderry, 2017. 279 p. (978-1481429894, pap.). Teddy decides to take his grandfather, who now has early-stage Alzheimer's, on one last road trip. He also brings along his classmate—and crush—Corrina, who is struggling to make something happen with her music career.

Levine, Gail Carson. *Writing Magic: Creating Stories That Fly*. HarperCollins, 2014. 167 p. (978-0062367174, pap.). Newbery Honor author Gail Carson Levine shares inspirational advice, techniques, and writing exercises.

\*Levithan, David. *Every Day*. Ember, 2013. 324 p. (978-0307931894, pap.). Waking up in the body of a different person every day and struggling to pass through each experience without raising alarm, "A"

endures a lonely existence before falling in love with a girl named Rhiannon, with whom A endeavors to reunite.

\*Levithan, David. *Hold Me Closer: The Tiny Cooper Story*. Speak, 2016. 224 p. (9780147516107, pap.). Tiny Cooper was introduced in *Will Grayson, Will Grayson*, but now he gets to take center stage in his own book. Told in the style of a musical, his story covers his fabulous birth and childhood, to his quest for true love.

\*Lo, Malinda. *Ash*. Little, Brown, 2010. 264 p. (978-0316040105, pap.). In this variation on the Cinderella story, Ash grows up believing in the fairy realm that the king and his philosophers have sought to suppress, until one day she must choose between a handsome fairy cursed to love her and the King's Huntress whom she loves.

Lockhart, E. *The Disreputable History of Frankie Landau-Banks*. Disney-Hyperion, 2009. 345 p. (978-0786838196, pap.). Sophomore Frankie starts dating senior Matthew Livingston, but when he refuses to talk about the all-male secret society that he and his friends belong to, Frankie infiltrates the society in order to enliven their mediocre pranks.

Lockhart, E. *We Were Liars*. Delacorte, 2014. 227 p. (978-0385741262). Spending the summers on her family's private island off the coast of Massachusetts with her cousins and a special boy named Gat, teenaged Cadence struggles to remember what happened during her 15th summer.

\*Low, Sam. *Hawaiki Rising: Hokulea, Nainoa Thompson, and the Hawaiian Renaissance*. Island Heritage Publishing, 2013. 343 p. (978-1617102004). A history of Polynesian navigation and a chronicle of the development of the Polynesian Voyaging Society.

Maas, Sarah J. *Throne of Glass*. Bloomsbury USA, 2013. 406 p. (978-1619630345, pap.). After she has served a year of hard labor in the salt mines of Endovier for her crimes, Crown Prince Dorian offers assassin Celaena Sardothien her freedom on the condition that she act as his champion in a competition to find a new royal assassin.

McGinnis, Mindy. *Not a Drop to Drink*. Katherine Tegen, 2014. 352 p. (978-0062198518, pap.). Struggling for survival in a drought-stricken world, teen Lynn fiercely protects her pond from strangers and finds her life endangered by mysterious adversaries who leave footprints nearby, send nighttime threats, and fire warning gunshots in her direction.

Meyer, Marissa. **Lunar Chronicles series**. Multiple titles. Square Fish, 2013–2018. 222–800 p. (ISBNs vary, pap.). In this retelling of several classic fairy tales, Cinder is a gifted mechanic and cyborg, living on an overcrowded, plague-ravaged Earth that's on the brink of war with the Lunar people. When Cinder becomes involved with Prince Kai, ruler of New Beijing, she must uncover secrets about her past in order to protect the world.

\*Monroe, Jean Guard. *They Dance in the Sky: Native American Star Myths*. Houghton Mifflin Harcourt, 2007. 130 p. (978-0618809127, pap.). The authors combine factual information on both astronomy and Native American culture with authentic tales and myths about constellations told by many American Indian tribes.

\*Morishige, Takuma. **My Neighbor Seki series**. Multiple titles. Vertical Comics, 2015–2018. 162–180 p. (ISBNs vary, pap.). Every day, Seki creates intricate worlds of games, dioramas, and projects at his desk, unbeknownst to his teachers and fellow students, except for Rumi, who is constantly distracted by his antics.

Moulton, Erin E. *Keepers of the Labyrinth*. Philomel, 2015. 287 p. (978-0399164590). Visiting Crete for a Future Leaders convention, Lilith is subjected to a series of tests created by the Daughters of Ariadne, a secret sisterhood dedicated to guarding the ancient Greek Labyrinth.

\*Murphy, Julie. *Dumplin'*. Balzer & Bray, 2017. 400 p. (978-0062327192, pap.). Questioning her plus-sized body for the first time when an athletic boy appears to return her affections, Willowdean enters her city's beauty pageant and uses her sassy styles and talents to compete against thinner contestants.

\*Ness, Patrick. *The Rest of Us Just Live Here*. HarperTeen, 2016. 317 p. (978-0062403179, pap.). The best friend of a kid with superhuman abilities tries to have a life of his own that is both normal and

extraordinary in the face of constant world-shaking challenges, threats against his school, and an elusive pretty girl.

Nielsen, Jennifer A. *Mark of the Thief*. Scholastic, 2015. 339 p. (978-0545561556, pap.). When Nic, a slave, is forced to enter a cave that supposedly holds the lost treasures of Caesar, he discovers an amulet with divine powers. Suddenly he finds himself at the center of a conspiracy to overthrow the emperor, sparking the Praetor War.

Nix, Garth. *Sabriel*. HarperTeen, 2008. 311 p. (978-0061474354, pap.). Sabriel, daughter of the necromancer Abhorsen, must journey into the mysterious and magical Old Kingdom to rescue her father from the Land of the Dead.

O'Connor, George. **Olympians series**. Multiple titles. First Second, 2010–2018. 76–80 p. (ISBNs vary, pap.). Drawing from primary documents, this graphic-novel series reconstructs and retells classic Greek myths.

\*Oima, Yoshitoki. **A Silent Voice series**. Multiple titles. 2015–2016. 192 p. (ISBNs vary, pap.). Shoya, a bully who tormented a deaf girl in elementary school, seeks to make amends for his past mistakes.

Olcott, William Tyler. *Star Lore: Myths, Legends, and Facts*. Dover, 2004. 453 p. (978-0486435817, pap.). Originally published in 1911, Olcott's work collects a variety of mythology associated with constellations, as well as star charts and classical illustrations.

Oliver, Lauren. *Panic*. HarperCollins, 2015. 432 p. (978-0062014566, pap.). A high-stakes competition marks a summer in a small, isolated community and compels graduating seniors Heather and Dodge to tap inner strengths while hiding dangerous secrets and forging unexpected alliances.

Oppel, Kenneth. *This Dark Endeavor*. Simon & Schuster, 2012. 298 p. (978-1442403161, pap.). When his twin brother falls ill in the family's chateau in the independent republic of Geneva, Victor Frankenstein embarks on a quest to create the Elixir of Life described in an ancient text in the family's secret Bibliotheka Obscura.

Oseid, Kelsey. *What We See in the Stars: An Illustrated Tour of the Night Sky*. Ten Speed, 2017. 159 p. (978-0399579530). Through a combination of art, mythology, and scientific facts, readers can tour the night sky.

Perkins, Stephanie. *Isla and the Happily Ever After*. Speak, 2015. 368 p. (978-0142426272, pap.). Isla has had a crush on classmate Josh since their freshman year at the School of America in Paris, but after a chance encounter over the summer in Manhattan, they return to France for their senior year, where they are forced to confront challenges every young couple in love must face.

Prineas, Sarah. *Ash & Bramble*. HarperTeen, 2016. 480 p. (978-0062337955, pap.). Pin works as a Seamstress in the Godmother's fortress, with no memory of who she is. But after she and the Shoemaker dare to escape, Pin is recaptured and forced to live a new life not of her choosing.

\*Quick, Matthew. *Sorta Like a Rock Star*. Little, Brown, 2011. 355 p. (978-0316043533, pap.). Amber Appleton is a relentless optimist, even though she secretly lives with her mom and their dog on a school bus. But when a fatal tragedy threatens Amber's optimism, can she continue to be the rock star of hope?

Redwine, C.J. *The Shadow Queen*. Balzer & Bray, 2016. 387 p. (978-0062360250, pap.). Lorelai is an exiled princess with one mission—to kill the wicked queen who murdered her father and took her throne. Unfortunately, she's being pursued by a magic-wielding prince who serves as the personal huntsman for evil queen Irina, in this dark retelling of "Snow White."

Ridpath, Ian. *Smithsonian Handbooks: Stars and Planets*. DK, 2002. 224 p. (978-0789489883, pap.). A comprehensive pocket guide to observing the night sky, with information and illustrations featuring planets, constellations, and star charts.

Riske, Kris Brandt. *Llewellyn's Complete Book of Astrology: The Easy Way to Learn Astrology*. Llewellyn Worldwide, 2007. 336 p. (978-0738756417). An introductory guide to astrology.

Rosinsky, Natalie M. *Write Your Own Myth*. Compass Point, 2009. 64 p. (978-0756533731, pap.). Explains how to create myths, from crafting heroic characters to creating plots, with examples from successful books.

\*Rowell, Rainbow. *Eleanor & Park*. Griffin, 2013. 328 p. (978-1250012579). The year-long, star-crossed romance set in 1986 features two high school misfits who know that first loves almost never work, thought they can't help but try.

Rowell, Rainbow. *Fangirl*. Griffin, 2013. 438 p. (978-1250030955). Being consummate fans of the Simon Snow series helped Cath and her twin sister, Wren, cope as little girls when their mother left them. But as they start college, Cath—a dedicated fan-fiction writer—fears she isn't ready to live without Wren holding her hand—or without her passion for Snow.

Ruby, Laura. *Bone Gap*. Balzer & Bray, 2016. 345 p. (978-0062317629, pap.). Knowing that his sister has been kidnapped by a dangerous assailant and that she did not abandon the family like their mother did years earlier, Finn confronts town secrets to organize a search.

\*Sano, Nami. **Haven't You Heard? I'm Sakamoto series**. Multiple titles. Seven Seas, 2015–2016. 164–180 p. (ISBNs vary, pap.). Model student, beacon of inspiration, gentle spirit of guidance, and friend among friends—you name it, Sakamoto can do it. He's your go-to guy for any problem. But not everyone takes kindly to his unflappable persona, because, let's face it, no one can truly be his match. Right?

\*Shabazz, Ilyasah, with Kekla Magoon. *X*. Candlewick, 2016. 348 p. (978-0763690922, pap.). A novel, written in part by Ilyasah Shabazz and based her father's formative years. It depicts his impoverished childhood, the murder of his father, and his imprisonment at age 20, where he finds faith and begins his path towards activism.

Shepherd, Megan. *The Madman's Daughter*. Balzer & Bray, 2013. 420 p. (978-0062128034, pap.). Dr. Moreau's 16-year-old daughter, Juliet, travels to her estranged father's island, only to encounter murder, medical horrors, and a love triangle. Inspired by H. G. Wells' classic *The Island of Dr. Moreau*.

\*Shusterman, Neal. *Challenger Deep*. HarperTeen, 2016. 308 p. (978-0061134142, pap.). A brilliant but troubled high school student pretends to engage in sports activities and uses his artistic talents to document his voyage to the world's southernmost point while his friends observe his increasingly unbalanced behavior.

\*Smith, Andrew. *Grasshopper Jungle: A History*. Speak, 2015. 388 p. (978-0142425008, pap.). Austin Szerba narrates the end of humanity as he and his best friend, Robby, accidentally unleash an army of giant, unstoppable bugs and uncover the secrets of a decades-old experiment gone terribly wrong.

Spinner, Stephanie. *Quicksilver*. Laurel Leaf, 2006. 229 p. (978-0440238454, pap.). Hermes, Prince of Thieves and son of Zeus, relates why the seasons change, the history of the Trojan War, his friendship with Pegasus, and many more adventures in the world of Greek mythology.

\*Staal, Julius D.W. *The New Patterns in the Sky: Myths and Legends of the Stars*. McDonald & Woodward, 1988. 300 p. (978-0939923045, pap.). A comprehensive collection of myths, legends, and historical notes about constellations, with an eye towards lore developed in cultures around the world.

Steffoff, Rebecca. *Astrology and Astronomy*. Cavendish Square, 2014. 48 p. (978-1627125079, pap.). Looks at how astrological beliefs have shaped history while considering how they hold up against the scientific method, and compares and contrasts astrology and astronomy.

\*Stevenson, Noelle. **Lumberjanes series**. Multiple titles. Boom! Studios, 2015–2018. 112–128 p. (ISBNs vary, pap.). Five best friends are spending the summer at Lumberjane scout camp, where they encounter yetis, three-eyed wolves, and giant falcons while trying to solve a mystery that will affect the fate of the world.

\*Stevenson, Noelle. *Nimona*. HarperTeen, 2015. 266 p. (978-0062278227, pap.). Nimona is an impulsive young shapeshifter who wants to work with Lord Ballister Blackheart, a nefarious villain who has ties to the kingdom's Institution of Law Enforcement and Heroics.

Stiefvater, Maggie. *The Raven Boys*. Scholastic, 2013. 409 p. (978-0545424936, pap.). Blue Sargent's gift seems to be that she makes other people's talents stronger, and when she meets Gansey, one of the Raven Boys from the Aglionby Academy, she discovers that together their talents are a dangerous mix.

Sweet, Caitlin. *The Door in the Mountain*. ChiTeen, 2014. 264 p. (978-1771481915, pap.). Through the door in the mountain is the world of ancient Crete, where princess Ariadne seeks to imprison her brother

in a mountain maze, a boy named Icarus tries to fly, and a slave girl changes the world forever.

Swindell, Salli, and Nate Padavick. *20 Ways to Draw a Star and 44 Other Far-Out Wonders from Sky and Galaxy*. Quarry, 2015. 96 p. (9781631590597, pap.). An inspirational drawing guide made to encourage artists to consider different styles and techniques, with simple illustrations.

\*Takaya, Natsuki. **Fruits Basket series**. Multiple titles. Yen, 2016–2017. 333–390 p. (ISBNs vary, pap.). Plucky high schooler Tohru Honda is homeless and living in a tent. What she doesn't know is that she's living on private land belonging to the mysterious Sohma family, who have a secret of their own - when touched by the opposite sex, they turn into the animals of the Chinese zodiac.

\*Tynion IV, James. **The Woods series**. Multiple titles. Boom! Studios, 2014–2018. 96–112 p. (ISBNs vary, pap.). Tests, dances, and typical high school drama doesn't seem to matter when 437 students, 52 teachers, and 24 additional staff from Bay Point Preparatory High School vanish without a trace, appearing light years away, in the middle of an ancient, primordial wilderness.

\*Urasawa, Naoki. **Master Keaton series**. Multiple titles. Viz, 2014–2017. 298–352 p. (ISBNs vary, pap.). Taichi Hiraga Keaton uses his training in archaeology and his experience as a former member of the British Special Air Service to travel the world as a freelance insurance investigator, solving mysteries and thwarting would-be villains.

\*Wilkinson, Philip. *Myths & Legends*. DK, 2009. 352 p. (978-0756643096, pap.). Presents a guide to myths and ancient legends from the cultures of Europe, Asia, Africa, the Americas, and Oceania, including creation tales and stories of heroes, gods, mythical beings, and magical animals.

\*Wilson, G. Willow and Adrian Alphona. **Ms. Marvel series**. Multiple titles. Marvel. 2014–2017. 112–144 p. (ISBNs vary, pap.). Kamala Khan, a Pakistani American girl from Jersey City with fairly strict Muslim parents, suddenly acquires superhuman power. Trying to balance the pressures of school and home is normally difficult, but having superpowers makes it even more complicated.

\*Yang, Gene Luen. *The Shadow Hero*. First Second, 2014. 158 p. (978-1596436978, pap.). Hank is the son of Chinese immigrants who own a grocery store in 1940s America. When his mother is rescued by a superhero, she decides that it's Hank's fate to become a hero himself, no matter how much he wants to live a quiet life.

## Movies/DVDs

Branagh, Kenneth, director. *Thor*. Walt Disney Pictures, 2011. 110 min. (PG-13). Thor battles a force sent to destroy Earth after being banished from Asgard for fanning the flames of an ancient conflict.

Clements, Ron, and John Musker, directors. *Aladdin*. Walt Disney Pictures, 1992. 90 min. (G). When Aladdin, a street urchin, vies for the love of a princess, he uses a genie's magic power to disguise himself as a prince.

Clements, Ron, and John Musker, directors. *Hercules*. Walt Disney Pictures, 1997. 95 min. (G). The son of Zeus and Hera is stripped of his immortality as an infant and must become a true hero in order to reclaim it in this Disney musical.

\*Clements, Ron, John Musker, Chris Williams, and Don Hall, directors. *Moana*. Walt Disney Pictures, 2016. 113 min. (PG). Moana, a future chieftain, journeys to right a terrible curse caused by the demigod Maui, learning to become a wayfinder like her ancestors.

Columbus, Chris, director. *Percy Jackson & the Olympians: The Lightning Thief*. Twentieth Century Fox, 2010. 118 min. (PG). A teenager discovers he's the descendant of a Greek god and sets out on an adventure to settle an ongoing battle between the gods.

\*Daichi, Akitarô, director. *Fruits Basket*. Nihon Ad Systems, 2001. Various runtimes. (NR). Plucky high schooler Tohru Honda is homeless and living in a tent. What she doesn't know is that she's living on private land belonging to the mysterious Sohma family, who have a secret of their own—when touched by the opposite sex, they turn into the animals of the Chinese zodiac.

\*Daichi, Akitarô, director. *Kamisama Kiss*. FUNimation Entertainment, 2012. Various runtimes. (TV-PG). When Nanami Momozono's dad skips town and she has nowhere to live, she accepts a stranger's

offer to take his home. However, the home is a local shrine, and Nanami has unknowingly taken over as its deity.

Freudenthal, Thor, director. *Percy Jackson & the Olympians: Sea of Monsters*. Twentieth Century Fox, 2013. 106 min. (PG). Percy Jackson, the son of Poseidon, continues his epic journey to fulfill his destiny, as he teams with his demigod friends to retrieve the Golden Fleece, which has the power to save their home and training ground, Camp Half-Blood.

Jenkins, Patty, director. *Wonder Woman*. Warner Bros., 2017. 141 min. (PG-13). An Amazon princess leaves her island home and journeys to the outside world, which is being consumed by a massive war. With the help of an American pilot, she works to put an end to the conflict.

\*Knight, Travis, director. *Kubo and the Two Strings*. Focus Features, 2016. 101 min. (PG). A young Japanese boy embarks on a journey to learn the truth about his missing father. Along the way, he battles the vengeful Moon King and two evil twin sisters with his *shamisen*, a magical stringed instrument.

Leterrir, Louis, director. *Clash of the Titans*. Warner Bros., 2010. 106 min. (PG-13). Courageous warrior Perseus fights to prevent Hades from overthrowing Zeus and bringing ruin to the world in this fantasy adventure based on stories from Greek mythology.

\*Nagahama, Hiroshi, and Ichigo Sugawara, directors. *Mushi-Shi*. FUNimation Entertainment, 2007. Various runtimes. (TV-14). Set in an imaginary time between the Eno and Meiji periods, this series follows Ginko, a traveler who aids people suffering from problems caused by creatures called Mushi.

\*Ômori, Takahiro, director. *Natsume Yûjin-chô*. Nihon Ad Systems, 2008. Various runtimes. (NR). When Natsume Takashi inherits a book that belonged to his late grandmother, he realizes the book is filled with the names of spirits she defeated and bound to her will. He decides to return their names so they can be free once again.

Sommer, Stephen, director. *The Mummy*. Universal Pictures, 1999. 125 min. (PG-13). An adventurer, a librarian, and her brother walk into an archaeological dig and ... accidentally awaken an ancient mummy.

Zemeckis, Robert, director. *Beowulf*. Paramount Pictures, 2007. 113 min. (PG-13). A mythic saga of the Scandinavian warrior who sets out to save a kingdom by vanquishing monsters, dragons, and a bewitching creature of the deep.

## Web Resources

**12 YA Books You Should Read Based on Your Zodiac Sign, Because Obviously All the Answers Lie in the Stars.** [www.bustle.com/articles/81757-12-ya-books-you-should-read-based-on-your-zodiac-sign-because-obviously-all-the-answers](http://www.bustle.com/articles/81757-12-ya-books-you-should-read-based-on-your-zodiac-sign-because-obviously-all-the-answers). A list recommending titles based on characteristics for each astrological sign.

**15 Best Space Watching Apps.** [www.tomsguide.com/us/pictures-story/752-best-space-watching-apps.html](http://www.tomsguide.com/us/pictures-story/752-best-space-watching-apps.html). Provides a list of recommended astronomy-related apps for Android and iOS devices. Many of these apps use augmented-reality technology to identify constellations and objects in the night sky.

**Archeoastronomy.** [www.wvu.edu/skywise/archeoastronomy.html](http://www.wvu.edu/skywise/archeoastronomy.html). A collection of storytelling resources for different cultures, all with a focus on astronomy-based mythology.

**Book Activities.** <http://riyl.wikispaces.com/Book+Activities>. A Wikispaces resource that offers a selection of book-related teen activities, including book talks, book clubs, genre dating, and more.

**Book Recommendations Based on Your Astrological Sign.** [www.epicreads.com/blog/book-recommendations-based-on-your-astrological-sign/](http://www.epicreads.com/blog/book-recommendations-based-on-your-astrological-sign/). An Epic Reads list of book recommendations based on the personality traits associated with astrological signs.

**Book Speed Dating: How I Did It and Why I'll Do It Again.** [www.readerpants.net/2013/12/book-speed-dating-how-i-did-it-and-why.html](http://www.readerpants.net/2013/12/book-speed-dating-how-i-did-it-and-why.html). A school librarian offers step-by-step instructions for hosting a book speed-dating program for teens, along with a timeline and resources.

**Book Tasting Program.** [www.teenservicesunderground.com/book-tasting-program/](http://www.teenservicesunderground.com/book-tasting-program/). This Teen Services Underground blog entry offers detailed instructions about running a book-tasting program, complete with menus, timeline, and materials needed.

**Constellation Assignment.** <http://mrscienceut.net/ConstellationAssignment.pdf>. A homework assignment for students studying constellations. It provides instructions for how to design a constellation, asks astronomy-based questions, and encourages students to create a myth for their constellation.

**Dennis Schatz.** [www.dennisschatz.org](http://www.dennisschatz.org). Educator, author, and Senior Advisor to the Pacific Science Center, Dennis Schatz's official website features some of his favorite science activities, curriculum, and publications.

**DIY Clothes! 3 DIY Shoes Projects.** [www.youtube.com/watch?v=2r-zF48muPk](http://www.youtube.com/watch?v=2r-zF48muPk). A YouTube video demonstrating how to make over shoes, including a tutorial on using acrylic paint on black canvas boots to create a galaxy-style look.

**DIY: Constellation Jar.** [www.designmom.com/diy-constellation-jar/](http://www.designmom.com/diy-constellation-jar/). Detailed instructions, with pictures, on how to use a disposable cake pan to create a constellation jar.

**DIY Galaxy Shoes!** [www.babyfirstblog.com/diy-galaxy-shoes/](http://www.babyfirstblog.com/diy-galaxy-shoes/). Step-by-step instructions, with pictures, for making galaxy tennis shoes.

**DIY: Sharpie Galaxy Shoes!** [www.youtube.com/watch?v=OieLIA6tRho](http://www.youtube.com/watch?v=OieLIA6tRho). A video showing all the steps for creating galaxy shoes.

**Find the Dipper and the North Star.** [www.physics.ucla.edu/~huffman/finddip.html](http://www.physics.ucla.edu/~huffman/finddip.html). A short guide to locating Polaris, the North Star, in the night sky.

**Google Sky.** [www.google.com/sky/](http://www.google.com/sky/). A sky/space viewer that is a feature for Google Earth, allowing users to view images taken from resources such as NASA satellites, the Sloan Digital Sky Survey, and others.

**The Greek Gods.** <http://olympiansrule.com/about-the-greek-gods/>. A family tree of Greek gods, connecting to George O'Connor's graphic-novel Olympians series.

**The History of Keeping Time—Karen Mensing.** [www.youtube.com/watch?v=74IOMORKNIE](http://www.youtube.com/watch?v=74IOMORKNIE). A short, animated TED talk on the history of time-telling methods.

**Hōkūle'a - Polynesian Voyaging Society.** [www.hokulea.com/](http://www.hokulea.com/). The Polynesian Voyaging Society seeks to perpetuate the art and science of traditional Polynesian voyaging through educational programs meant to inspire students and their communities.

**Hōkūle'a, the Hawaiian Canoe Traveling the World by a Map of the Stars.** [www.npr.org/sections/codeswitch/2016/05/27/479468130/hokulea-the-hawaiian-canoe-traveling-the-world-by-a-map-of-the-stars](http://www.npr.org/sections/codeswitch/2016/05/27/479468130/hokulea-the-hawaiian-canoe-traveling-the-world-by-a-map-of-the-stars). An article by NPR about the *Hōkūle'a*, a voyaging canoe built to revive the tradition of Polynesian exploration, as it continues its journey around the world.

**How Did Polynesian Wayfinders Navigate the Pacific Ocean? Alan Tamayose and Shantell De Silva.** [www.youtube.com/watch?v=m8bDCaPhOek](http://www.youtube.com/watch?v=m8bDCaPhOek). An animated TED talk explaining how Polynesian navigators traveled thousands of kilometers without the use of navigational aids.

**How to Make a Constellation Jar.** [www.wikihow.com/Make-a-Constellation-Jar](http://www.wikihow.com/Make-a-Constellation-Jar). Step-by-step instructions on how to make a constellation jar with an aluminum sheet.

**How to Make Up Your Own Star Constellation.** [www.wikihow.com/Make-Up-Your-Own-Star-Constellation](http://www.wikihow.com/Make-Up-Your-Own-Star-Constellation). A WikiHow instructional guide on how to use frames and star charts to create your own constellation and reference where it is in the night sky.

**Kids' Astronomy Project: Constellation Geoboards.** <https://babbledabbledo.com/constellation-geoboards/>. Step-by-step instructions, with printable templates, for creating constellation boards using cork trivets.

**Lesson 1: Create-a-Constellation.** [www.pacificsciencecenter.org/wp-content/uploads/astro\\_ad\\_constellation.pdf](http://www.pacificsciencecenter.org/wp-content/uploads/astro_ad_constellation.pdf). A detailed lesson plan from the Pacific Science Center for instructing students in designing a constellation and teaching them about astronomy-based mythology.

**Make a Star Finder.** <https://spaceplace.nasa.gov/starfinder/en/>. Instructions for making a simple star finder, with downloadable charts for each month, provided by NASA.

**Moana (2016).** [www.nea.org/tools/lessons/69338.htm](http://www.nea.org/tools/lessons/69338.htm). A series of lesson plans for kids and teens surrounding the movie *Moana*. Subjects include music of the South Pacific, Asian, and Pacific Islander

heritage, as well as Polynesian navigation.

**Moana Educator's Guide.**

[http://cdnvideo.dolimg.com/cdn\\_assets/a7b26e6f718f14ac7d37f86bf47770804a4b2daa.pdf](http://cdnvideo.dolimg.com/cdn_assets/a7b26e6f718f14ac7d37f86bf47770804a4b2daa.pdf). A resource for educators featuring lesson plans on the hero's journey, wayfinding, music, and caring for sea turtles, all built around the Disney movie *Moana*.

**National Storytelling Network.** <https://storynet.org/>. The National Storytelling Network's official website, which includes a feature to search for local storytellers or a list of guilds in the United States, with contact information.

**Navigating at Sea.** <https://timeandnavigation.si.edu/navigating-at-sea>. The Smithsonian provides information about the history and challenges of navigating at sea.

**Simple Geo Board for Fine Motor and Stem Play.** <https://littlebinsforlittlehands.com/diy-simple-geo-board-for-fine-motor-skills-fine-motor-fridays/>. An explanation, with examples, of how to use a geoboard to create geometric shape, and patterns.

**Space Science: Introduction to Stars.**

[www.youtube.com/playlist?list=PLhzI2vamHOna6ySCBRBGgCLLoTbMgqMzd](http://www.youtube.com/playlist?list=PLhzI2vamHOna6ySCBRBGgCLLoTbMgqMzd). Six YouTube videos from Crash Course Kids, with information about kinds of stars, identification of constellations, and the reason we see different stars depending on the season.

**Staff Bios.** <https://manoa.hawaii.edu/exploringourfluidearth/staff-bios>. A list of the team of staff creating curriculum for the University of Hawai'i at Mānoa's Exploring Our Fluid Earth program.

**String Art on Cork.** [www.theartannex.com/2013/07/string-art-on-cork.html](http://www.theartannex.com/2013/07/string-art-on-cork.html). An art-focused blog entry on how to make string art using a cork round.

**Summer Constellation Map (Northern Hemisphere).** <https://mrprintables.com/printable-constellation-map-summer.html>. A printable constellation map of the summer sky's constellations in the Northern Hemisphere.

**Universe Shoes! An Easy Galaxy Graft!** <https://everydaybest.com/how-to-make-galaxy-shoes/>. A blog entry on creating galaxy shoes using plain canvas shoes.

**Wayfinding and Navigation.** <https://manoa.hawaii.edu/exploringourfluidearth/physical/navigation-and-transportation/wayfinding-and-navigation>. The University of Hawaii at Mānoa provides an overview of different methods of wayfinding and nautical navigation, as well as an assortment of related activities.

**Which Fairy Tale Retelling Should You Read Based on Your Zodiac Sign?**

[www.epicreads.com/blog/which-fairy-tale-retelling-should-you-read-based-on-your-zodiac-sign/](http://www.epicreads.com/blog/which-fairy-tale-retelling-should-you-read-based-on-your-zodiac-sign/). An Epic Reads list of fairy tale retellings, written for teens, and recommended based on your astrological sign.

**Windows to the Universe.** [www.windows2universe.org/mythology/const\\_nav.html](http://www.windows2universe.org/mythology/const_nav.html). An overview of the myths associated with the constellations identified by civilizations around the world.

## **Appendix A: Summer Reading and the New York State Learning Standards**

**Public library summer reading programs foster a community of inquiry and literacy that leads to high academic achievement, independent reading and learning, and collaborative efforts that last a lifetime.**

Public library summer reading programs expose children to a wealth of informational and recreational reading, and opportunities to gain knowledge about the world and build strong academic vocabulary. By visiting the public library, a child is surrounded by a variety of reading materials and librarians with the expertise to help all children find reading materials that can challenge, excite and interest them.

- The New York State Learning Standards is best supported by children reading more and being engaged by what they read. Public library summer reading programs provide the books and other text resources, and the expertise and fun enrichment activities to encourage reading for information and pleasure.
- Public libraries offer varied collections of fiction and non-fiction that children can pore over to gain a variety of information and perspectives on their road to forming the habit of reading.
- The New York State encourages flexible communication and collaboration. School and public libraries collaborate to attract and engage a wide spectrum of children and families, especially those with high needs, in the excitement of reading.
- Each year the public library summer reading theme encourages inquiry-based programming. Public libraries will partner with museums, local organizations, historians, and others to offer activities where children explore problem solving in real life situations.
- Book discussion programs in public libraries help children develop the ability to read with care and use the information from the text to investigate and discuss various issues with their peers.
- The *Explore New York* recreational reading lists, created each year by school and public librarians, are used by libraries to encourage the reading of fun and interesting texts during the summer months. <http://www.nysl.nysed.gov/libdev/summer/explore.htm>

Visit your local public library to participate in “Summer Reading at New York Libraries.” Find your library at: <http://www.summerreadingnys.org/parents/parents-find-your-library/>.

## Appendix B: New York State Public Library Systems



This map shows the 23 public library systems serving all regions of New York State.

Each public library system has a youth services expert who can help connect childcare providers with their local public library.

### Public Library Systems

**Brooklyn** (Kings County)

**Buffalo-Erie**

**Chautauqua-Cattaraugus**

**Clinton-Essex-Franklin**

**Finger Lakes** (Cayuga, Cortland, Seneca, Tioga, Tompkins counties)

**Four County** (Broome, Chenango, Delaware, Otsego counties)

**Mid-Hudson** (Columbia, Dutchess, Greene, Putnam, Ulster [part] counties)

**Mid-York** (Herkimer, Madison, Oneida counties)

**Mohawk Valley** (Fulton, Montgomery, Schenectady, Schoharie counties)

**Monroe**

**Nassau**

**New York** (Bronx, New York, Richmond counties)

**Nioga** (Genesee, Niagara, Orleans counties)

**North Country** (Jefferson, Lewis, Oswego, St. Lawrence counties)

**Onondaga**

**Pioneer** (Livingston, Ontario, Wayne, Wyoming counties)

**Queens**

**Ramapo Catskill** (Orange, Rockland, Sullivan, Ulster [part] counties)

**Southern Adirondack** (Hamilton, Saratoga, Warren, Washington counties)

**Southern Tier** (Allegany, Chemung, Schuyler, Steuben, Yates counties)

**Suffolk**

**Upper Hudson** (Albany, Rensselaer counties)

**Westchester**

## **Appendix C: Youth Services Contacts**

### **NYS Public Library System Youth Service Contacts**

#### **Brooklyn Public Library**

Judy Zuckerman  
Director, Youth & Family Services  
10 Grand Army Plaza  
Brooklyn, NY 11238  
phone: (718) 230-2236  
fax: (718) 230-2784  
jzuckerman@bklynlibrary.org

#### **Brooklyn Public Library**

Kimberly Probert Grad  
Coordinator, School Age Services  
10 Grand Army Plaza  
Brooklyn, NY 11238  
phone: (718) 230-2232  
fax: (718) 230-2784  
kgrad@bklynlibrary.org

#### **Brooklyn Public Library**

Karen Keys  
Coordinator, Young Adult Services  
Brooklyn Public Library  
10 Grand Army Plaza  
Brooklyn, NY 11238  
phone: (718) 230-2798  
fax: (718) 230-2784  
kkeys@bklynlibrary.org

#### **Brooklyn Public Library**

Rachel Payne  
Coordinator, Early Childhood Services  
Youth and Family Services  
10 Grand Army Plaza  
Brooklyn, NY 11238  
phone: (718) 230-2233  
fax: (718) 230-2784  
rpayne@bklynlibrary.org

#### **Brooklyn Public Library**

Carrie Banks  
Supervising Librarian  
Inclusive Services/Kidsmobile  
2065 Flatbush Avenue  
Brooklyn, NY 11234  
phone: (718) 253-4948  
fax: (718) 252-1520  
cbanks@bklynlibrary.org

#### **Buffalo and Erie County Public Library**

Kathryn Galvin  
Manager, Children's Services and  
Outreach  
1 Lafayette Square  
Buffalo, NY 14203  
Phone: (716) 858-7100  
fax: (716) 858-7515  
galvink@buffalolib.org

#### **Chautauqua-Cattaraugus Library System**

Valle Blair  
Youth Services Specialist  
106 West Fifth Street  
Jamestown, NY 14701  
phone: (716) 664-6675 ext. 230  
fax: (716) 484-1205  
vblair@cclslib.org

#### **Clinton-Essex-Franklin Library System**

Karen Batchelder  
Youth Services Consultant  
33 Oak Street  
Plattsburgh, NY 12901  
phone: (518) 563-5190 ext. 20  
fax: (518) 563-0421  
kbatchelder@cefls.org

**Clinton-Essex-Franklin Library System**

Anja Bouchard  
Coordinated Outreach Librarian  
33 Oak Street  
Plattsburgh, NY 12901  
phone: (518) 563-5190 ext. 18  
fax: (518) 563-0421  
abouchard@cefls.org

**Finger Lakes Library System**

Nora Burrows  
Member Services Librarian  
1300 Dryden Road  
Ithaca, NY 14850  
phone: (607) 273-4074 ext. 227  
fax:  
nburrows@fills.org

**Four County Library System**

Sarah Reid  
Outreach & Youth Services Manager  
304 Clubhouse Road  
Vestal, NY 13850  
phone: (607) 723-8236 ext. 350  
fax: (607) 723-1722  
Sreid@4cls.org

**Mid-Hudson Library System**

Kerstin Cruger  
Library Sustainability Associate &  
Communications Specialist  
103 Market Street  
Poughkeepsie, NY 12601  
phone: (845) 471-6060 250  
fax:  
kcruger@midhudson.org

**Mid-York Library System**

Heather Urtz  
Collections and Materials Librarian  
1600 Lincoln Avenue  
Utica, NY 13502  
phone: (315) 735-8328  
fax: (315) 735-0943  
hurtz@midyork.org

**Mohawk Valley Library System**

Sue Rokos  
Youth Services Consultant  
858 Duanesburg Road  
Schenectady, NY 12306  
phone: (518) 355-2010 ext. 226  
fax: (518) 355-0674  
srokos@mvls.info

**Monroe County Library System**

Tonia Burton  
Children's Services Consultant  
115 South Avenue  
Rochester, NY 14604  
phone: (585) 428-8151  
tonia.burton@libraryweb.org

**Nassau Library System**

Renee McGrath  
Youth Services Manager  
900 Jerusalem Avenue  
Uniondale, NY 11553  
phone: (516) 292-8920 ext. 230  
fax: (516) 481-4777  
renee@nassaulibrary.org

**New York Public Library**

Caitlyn Colman-McGaw  
Coordinator for Young Adult Educational  
Programs  
445 Fifth Avenue, 6th Floor  
New York, NY 10016  
phone: (212) 592-7563  
caitlyncolmanmcgaw@nypl.org

**New York Public Library**

Emily Nichols  
Associate Director of Branch Youth  
Education  
New York Public Library  
445 Fifth Avenue, 6th Floor  
New York, NY 10016  
phone: (212) 592-7562  
fax: (212) 340-0988  
emilynichols@nypl.org

**New York Public Library**

Maggie Jacobs  
Director of Educational Programs  
New York Public Library  
455 Fifth Avenue, 6th floor  
New York, NY 10016  
phone: (212) 592-7567  
maggiejacobs@nypl.org

**New York Public Library**

Chelsea Condren  
Early Literacy Coordinator  
445 Fifth Ave, 6th Floor  
New York, NY 10016  
phone: (917) 229-9652  
fax:  
chelseacondren@nypl.org

**New York Public Library**

Amber Moller  
Children's Educational Programming  
Coordinator  
New York Public Library, Youth Education  
Services Department  
445 Fifth Avenue, 6th Floor  
New York, NY 10016  
phone: (212) 592-7575  
ambermoller@nypl.org

**New York State Library**

Sharon Phillips  
Youth Services Coordinator  
Cultural Education Center 10B41  
Empire State Plaza  
Albany, NY 12230  
phone: (518) 486-4863  
fax: (518) 486-5254  
sharon.phillips@nysed.gov

**New York State Library**

Mary Anne Waltz  
Team Leader, Public Library System  
Services Team  
Cultural Education Center 10B41  
Empire State Plaza  
Albany, NY 12230  
phone: (518) 474-1479  
fax: (518) 486-5254  
MaryAnne.Waltz@nysed.gov

**Nioga Library System**

Laura Herold  
Youth Services Consultant  
6575 Wheeler Road  
Lockport, NY 14094  
phone: (716) 434-6167 x24  
lherold@nioga.org

**Nioga Library System**

Lisa Erickson  
Outreach Coordinator  
6575 Wheeler Road  
Lockport, NY 14094  
phone: (716) 434-6167 33  
leric@nioga.org

**North Country Library System**

Angela Newman  
Youth Services & Outreach Consultant  
22072 County Rte 190  
Watertown, NY 13601  
phone: (315) 755-0639  
fax: (315) 782-6883  
anewman@ncls.org

**Onondaga County Public Library**

Anne Gregory  
KidSpace Department Head  
447 S. Salina Street  
Galleries of Syracuse  
Syracuse, NY 13202  
phone: (315) 435-1853  
fax: (315) 435-8533  
agregory@onlib.org

**Pioneer Library System**

Hope Decker  
Member Library Liaison  
Pioneer Library System  
2557 State Route 21  
Canandaigua, NY 14424  
phone: (585) 394-8260 107  
fax: (585) 394-1935  
hdecker@pls-net.org

**Queens Library**

Daniel Nkansah  
Coordinator of Children's Services  
Program and Services Department  
89-11 Merrick Boulevard  
Jamaica, NY 11432  
phone: (718) 990-0716  
fax: (718) 990-0813  
Daniel.D.Nkansah@queenslibrary.org

**Queens Library**

Melissa Malanuk  
Coordinator of Teen Services  
Program and Services Department  
89-11 Merrick Boulevard  
Jamaica, NY 11432  
phone: (718) 990-0793  
Melissa.malanuk@queenslibrary.org

**Queens Library**

Gillian E.W. Miller  
Coordinator of Early Learning Services  
Programs & Services Department  
89-11 Merrick Boulevard  
Jamaica, NY 11432  
phone: (718) 990-5164  
fax: (718) 297-3404  
Gillian.E.Miller@queenslibrary.org

**Ramapo Catskill Library System**

Joanna Goldfarb  
Youth Services Consultant  
619 Route 17M  
Middletown, NY 10940  
phone: (845) 243-3747 ext. 240  
fax: (845) 243-3739  
jgoldfarb@rcls.org

**Southern Adirondack Library System**

Jack Scott  
Technology & Youth Services Consultant  
22 Whitney Place  
Saratoga Springs, NY 12866  
phone: (518) 584-7300 219  
jscott@sals.edu

**Southern Tier Library System**

Lorie Brown  
Manager, Division of Professional  
Development & Outreach  
9424 Scott Road  
Painted Post, NY 14870  
phone: (607) 962-3141 ext. 209  
fax: (607) 962-5356  
brownl@stls.org

**Suffolk Cooperative Library System**

Derek Ivie  
Youth Services Coordinator  
Suffolk Cooperative Library System  
627 N. Sunrise Service Road  
Bellport, NY 11713  
phone: (631) 286-1600 1337  
fax: (631) 286-1647  
derek@suffolknet.org

**Suffolk Cooperative Library System**

Darla Salva Cruz  
Youth Services Consultant  
627 North Sunrise Service Road  
Bellport, NY 11713  
phone: (631) 286-1600 1365  
fax: (631) 286-1647  
Darla@suffolknet.org

**Upper Hudson Library System**

Mary Fellows  
Manager, Youth & Family Services  
28 Essex Street  
Albany, NY 12206  
phone: (518) 437-9880 ext. 228  
fax: (518) 437-9884  
mary@uhls.lib.ny.us

**Westchester Library System**

Elena Falcone

Director of Public Innovation and  
Engagement

570 Taxter Road

Elmsford, NY 10523

phone: (914) 231-3240

fax: (914) 674-4185

[elena@wlsmail.org](mailto:elena@wlsmail.org)