

Books for Kids: Picture Books (J-Easy)

Little Turtle and the Changing Sea by Becky Davies

Ocean Lullaby by Laura McGee Kvasnosky

Where Three Oceans Meet by Rajani LaRocca

My Ocean Is Blue by Darren Lebeuf

The Mess that We Made by Michelle Lord

The Sea Knows by Alice B. McGinty

Books for Kids: J-Nonfiction

The Ocean in Your Bathtub by Seth Fishman 551.46 FISH

Earth's Incredible Oceans by Jess French 551.46 FREN

The Fascinating Ocean Book for Kids: 500 Incredible Facts by Bethanie and Josh Hestermann 551.46 HEST

Beneath the Waves: Celebrating the Ocean through Pictures, Poems, and Stories by Stephanie Warren Drimmer 577.7 DRIM

The Strangest Thing in the Sea: And other Curious Creatures of the Deep by Rachel Poliquin 591.77 POLI

Books for Kids: Chapter Books (J-Fiction)

Storm Blown by Nick Courage

Race to the Bottom of the Sea by Lindsay Eagar

Edison: The Mystery of the Missing Mouse Treasure by Torben Kuhlmann

Compass South by Hope Larson (graphic novel)

Lintang and the Pirate Queen by Tamara Moss

A Whale of the Wild by Rosanne Parry

Books for Teens: Fiction

The Girl Who Fell Beneath the Sea by Axie Oh

Daughter of the Deep by Rick Riordan

Salt to the Sea by Ruta Sepetys

The Mermaid, the Witch and the Sea by Maggie Tokuda-Hall



Books for Teens: Nonfiction

Titanic: Voices from the Disaster by Deborah Hopkinson 910.91634 H797T

The Soul of an Octopus: A Surprising Exploration into the Wonder of Consciousness by Sy Montgomery 594.56 MONT

Into the Deep: Science, Technology, and the Quest to Protect the Ocean by Christy Peterson 551.46 PETE

The Brilliant Abyss: Exploring the Majestic Hidden Life of the Deep Ocean and the Looming Threat that Imperils It by Helen Scales 551.46 SCAL

Attacked at Sea: A True World War II Story of a Family's Fight for Survival by Michael J. Tougas & Alison O'Leary 940.54 TOUG

Kids Activity: How Big Is a Blue Whale?

What would it be like to stand next to the world's largest whale? Find out by measuring and drawing a life-size whale!

Supplies

- Tape measure
- Bucket of sidewalk chalk
- Picture of a Blue Whale
- A large blacktop or concrete space (empty school parking lot, local playground, etc.) at least 100 feet long!
- Use your tape measure and chalk to draw a line 100 feet long.
- Next, use blue chalk to draw your Blue Whale, stretching from one end of your 100 ft. line to the other end. Let your picture be your guide. You can find a perfect illustration in Jenni Desmond's **The Blue Whale** (599.5248 DESM) or Robert E. Wells's **Is a Blue Whale the Biggest Thing There Is?** (530.81 W4551)
- Add some details like fins and features on the whale's head. Use different colors of chalk and make the features pop!
- Invite a friend to stand at one end of the whale while you stand at the other. That's a lot of whale in between you two! Get a photo with you sitting next to the drawing to see how you measure up!
- Try this activity based on another ocean creature that you're curious about, like a manta ray, giant squid, or a whale shark. How will these compare to the Blue Whale and to you?

Learn more at:
<https://wonderopolis.org/wonder/how-big-is-the-biggest-whale>

Teens Activity: DIY Plastic Bag Jump Rope

Supplies

- Want to level up your workout, play, AND keep plastic out of the ocean? Make a jump rope out of plastic bags!
- Duct tape
 - Painter's tape
 - Plastic bags
 - Scissors
1. Cut plastic bags into long rectangular strips about an inch thick.
 2. Tie the ends of the strips together until you have 12 long strips that are a little longer than you'd like your jump rope to be.
 3. Braid three strips together. Repeat until you have three braided strips. Then braid those strips together.
 4. Use the duct tape to wrap around each end of the rope to create handles.
 5. Enjoy your jump rope!

Directions

1. Cut plastic bags into long rectangular strips about an inch thick.

Learn more at:
childhoodlist.blogspot.com/2012/03/105-diy-plastic-bag-jump-rope.html



Homeschool Connections

An Educational Resource Tool SUMMER 2022



Homeschool Hub | ppld.org/homeschool-hub

Whether you are a veteran homeschooling family, or just getting started, visit the PPLD Homeschool Hub to check out community and library events, sign up for eNewsletters, and access reading lists. Click on the "Resources" tab to link to information on getting started, Colorado homeschool laws, local enrichment programs, tutoring, extracurricular activities, support organizations, and more.

Oceans of Possibilities

Oceans take up more than 70 percent of Earth and more than 80 percent of this underwater expanse is unmapped, unobserved, and unexplored! There are oceans of possibilities! There is more life in our magnificent oceans than anywhere else on our planet. Scientists estimate that 91 percent of ocean species have yet to be discovered and classified.

Coral reefs are home to over 25 percent of marine species and support a large portion of Earth's biodiversity. Closely related to jelly fish, corals are tiny, soft-bodied animals that live inside a stony skeleton. Coral reefs are like cozy nurseries that keep babies of many fish species safe as they grow. Located along coastlines in Florida, Texas, Louisiana, and Hawaii, they are helpful in protecting our beautiful shorelines from coastal storms. They are also popular places to visit. A healthy coral reef is a jaw-dropping sight with its vivid colors, mazy shapes, variety of fish zipping around, and graceful anemones.

Sadly, many of the coral reefs across the globe are dying off. This amazing life-giving habitat can use our help, and Scouts in the Sea Base conservation program are working to make a difference. Since 1980, about 90 percent of coral reefs in the Florida Keys have died from warming temperatures, ocean acidification, and diseases. Using a newly developed "micro-fragmentation" method—cutting healthy coral into pieces about a square centimeter in size and gluing them onto ceramic plugs in a controlled environment—the group has been able to greatly accelerate growing time. The teens then scuba dive to the coral reef and anchor PVC pipe structures (with glued-on newly grown corals) to the bottom of the ocean. The hope is to rejuvenate lifeless coral skeletons and repopulate our dying coral reefs. Follow this link for more information (scoutlife.org/about-scouts/scouting-around/174944/scouts-help-save-an-underwater-ecosystem-through-a-new-sea-base-program/).

This is just one example of kids making a difference! Read. Research. Explore. Discover. Make a plan. **There are Oceans of Possibilities!**



HOMESCHOOL CURRICULUM SWAP

Looking for new curriculum and/or educational materials?

Have curriculum you don't need? Homeschoolers can bring curriculum, educational materials, books, and more to give away to other homeschoolers at this once-a-year event.

Learn More



LOCATION KEY

- CA** **Calhan Library**
600 Bank St., Calhan
(719) 531-6333, x7013
- CH** **Cheyenne Mountain Library**
1785 S. 8th St.
(719) 531-6333, x7001
- EA** **East Library**
5550 N. Union Blvd.
(719) 531-6333, x7014
- eLibrary**
ppld.org
Open 24 hours a day, 7 days a week
- FO** **Fountain Library**
230 S. Main St., Fountain
(719) 531-6333, x7002
- HI** **High Prairie Library**
7035 Old Meridian Rd., Peyton
(719) 531-6333, x7003
- KCH** **Knights of Columbus Hall**
20 W. Pikes Peak Ave.
(719) 531-6333, x6142
- LI** **Library 21c**
1175 Chapel Hills Dr.
(719) 531-6333, x7012
- MA** **Manitou Springs Library**
515 Manitou Ave., Manitou Springs
(719) 531-6333, x7004
- Mobile Library Services**
ppld.org/mobile-library-services
(719) 531-6333, x7702
- MO** **Monument Library**
1706 Lake Woodmoor Dr., Monument
(719) 531-6333, x7005
- OL** **Old Colorado City Library**
2418 W. Pikes Peak Ave.
(719) 531-6333, x7006
- PA** **Palmer Lake Library**
66 Lower Glenway St., Palmer Lake
(719) 531-6333, x7007
- PE** **Penrose Library**
20 N. Cascade Ave.
(719) 531-6333, x7015
- RO** **Rockrimmon Library**
832 Village Center Dr.
(719) 531-6333, x7008
- RU** **Ruth Holley Library**
685 N. Murrarby Blvd.
(719) 531-6333, x1584
- SA** **Sand Creek Library**
1821 S. Academy Blvd.
(719) 531-6333, x7018
- UT** **Ute Pass Library**
8010 Severy Rd., Cascade
(719) 531-6333, x7011



The New Bookshelf

Northwind
by Gary Paulsen

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This exciting survival tale combines Paulsen's ocean adventures with memories of his Norwegian grandmother's stories of the sea. When an outbreak of cholera decimates his fishing village, Leif, a 12-year-old orphan, flees north in his dugout canoe. There is death and disaster as he learns to see that which is around him and remember things that can be dangerous if forgotten.

Ages 8 - 12
Sea Exploration;
Ocean Wildlife;
Self-sufficiency
J-Fiction PAUL

Interview with a Shark
by Andy Seed

.....

Imagine being able to talk to creatures of the sea and ask all sorts of questions about habits, behavior, favorite foods, and more! In this entertaining book, 10 ocean giants are interviewed, and not all the answers are straight science—some are just silly, making for a fun, laugh-out-loud read!

Ages 5 - 10
Zoology;
Oceanography
J-591.77 SEED

Science of Surfing: Surfside Girls Guide to the Ocean
by Kim Swinell

.....

An introduction to ocean science—from physics to biology—is packed into this slim graphic novel, which ends with a section on how to read the waves and how to surf. The Surfside Girls have two other graphic novels that focus more on adventure and surfing than on science and surfing. And all are good reads!

Ages 8 - 12
Oceanography
J-797.32 DWIN

Walrus Song
by Janet Lawler

.....

Pairing enchanting artwork with spare text, this lovely volume invites young readers to learn about where a walrus lives, how he hunts, and some of the noises he makes. A first-rate example of picture book science, the illustrations will draw kids to the book again and again, while the appended information will satisfy those who want to know more about walrus.

Ages 3 - 6
Ocean Wildlife
J-Easy LAWL

Ty's Travels: Beach Day!
by Kelly Starling Lyons

.....


Ty is having a beach day...in the backyard sandbox! Colorado kids can have a beach day just like Ty, with a little imagination. Check out the other Ty's Travels easy readers for your learning-to-read child.

Ages 4 - 6; Imagination;
Learn-to-read Titles
J-Reader LYON




PPLD Resources: Oceans of Possibilities


PPLD has many resources around this theme that would be useful for kids of many ages. To access these online educational resources (free with your library card and pin #) go to ppld.org/databases and type in the name of the database.

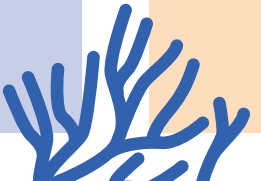
 **National Geographic Magazine**
ppld.overdrive.com/library/magazines/media/8795254

Current and back issues of fact-packed magazines (including National Geographic and other amazing titles specifically for kids) are now available on Overdrive, our platform for ebooks and eaudios (ppld.overdrive.com)! You can read National Geographic on most devices with internet access.

 **HelpNow**
ppld.org/databases/helpnow

This resource focuses on the idea of "possibilities"! In addition to offering free live tutoring and practice in nearly every subject, HelpNow provides career inventories incorporating content and methods from the popular "What Color Is Your Parachute?" series; the eParachute section helps users discover college majors and careers to match their skills and interests.


 **Gale in Context: Elementary -- Ocean Resources**
Covering a wide array of subjects, Gale in Context: Elementary is a wonderful database for elementary and middle school students because it allows you to sort by content level; there are easy-to-read articles for those just learning to read and articles that would be appropriate for middle-schoolers. Load the database and type "Oceans" in the search box to discover a wealth of materials devoted to the topic, including book articles, news articles, pictures, and more!




Other Cool Resources: Oceans of Possibilities

 **Scripps Institute/Birch Aquarium**
aquarium.ucsd.edu/teachers/online-learning

For a virtual visit to the undersea world, try the Live Kelp Cam from the Birch Aquarium! Identify the fish you see to win a game of kelp forest bingo, or complete an animal ethogram to help decode animal behaviors. When you're done watching, explore the science of the ocean by creating DIY ocean gyres, or building your own ocean barometer. Still need more? Don't forget to check out the Birch Aquarium YouTube channel for more live streams and fun animal videos.

 **NOAA Education**
oceanservice.noaa.gov/kids/


The National Oceanic and Atmospheric Administration has ocean resources for kids of all ages! Pick from a wealth of hands-on learning activities, like science experiments, matching games, puzzles, and more. You can also tune into one of the many video and podcast series available in the "NOAA Education At Home Resources" (under Education/For Kids). Don't forget to check out the "Every Kid Outdoors" section to find out how fourth graders and their families can access public lands and waters for free.

 **On the Water: Stories from Maritime America**
americanhistory.si.edu/on-the-water

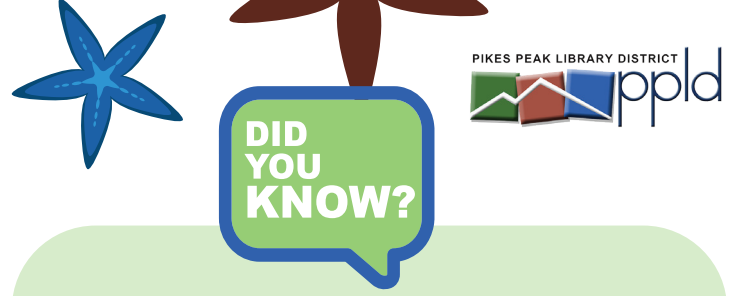
Learn about sailing the seven seas with the National Museum of American History. Explore "Living in the Atlantic World" to find out how Atlantic trade shaped our world, or discover famous shipwrecks in "Maritime Nation." Did any of your ancestors cross the ocean? Check out "Ocean Crossings" to learn about the ships they may have traveled in and view artifacts and photos from similar journeys. Visit "Learning Resources" for lessons, activities, and literary tie-ins!

 **Marine Biology: The Living Oceans**
amnh.org/explore/ology/marine-biology

Are you an aspiring marine biologist? Learn about the ocean and the creatures inside it with the American Museum of Natural History's guide to marine biology. Find stories and videos from ichthyologists (scientists who study fish) and other ocean scientists. Then, test your knowledge by matching marine animals to their baby pictures, or learn about life on the ocean floor by piloting a submersible 4,500 meters below sea level.

 **Deerfield Beach Naturescape Cameras**
deerfield-beach.com/1474/Live-Naturescape-Cameras

Practice observing ocean creatures in their natural habitat with this underwater beach camera from Deerfield Beach, Florida. Check out the fish guide to see if you can spot all 10 common species, or tune in more often for a glimpse at rare and interesting creatures like diving birds, turtles, or even the famed maintenance diver (species: *Homo sapiens*).



Exploration is important to increasing our understanding of the ocean and its inhabitants so that we can better manage, conserve, regulate, and use ocean resources that are vital to all of our lives. Dive into these picture book biographies and learn about some scientists who have already made waves!

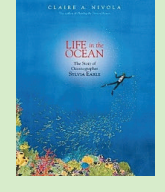
Otis and Will Discover the Deep
by Barb Rosenstock



On June 6, 1930, engineer Otis Barton and explorer Will Beebe dove a record-setting 803 feet into the ocean in a metal ball called a Bathysphere. This tale of adventure and danger pairs gripping text with colorful artwork. Endnotes provide more information about Otis and Will, how they met, and their great invention, along with photos.

J-Biography 551.46092 ROSE

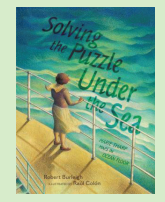
Life in the Ocean: The Story of Oceanographer Sylvia Earle
By Claire A. Nivola



Beginning with 12-year-old Sylvia donning fins and snorkel to explore the Gulf of Mexico near her Florida home, this beautifully illustrated book introduces the work of a well-known marine biologist and conveys her passion for discovery and conservation.

J-Biography 551.46092 EARL

Solving the Puzzle Under the Sea: Marie Tharp Maps the Ocean Floor
by Robert Burleigh



Marie's engaging story is told from a first-person perspective. Marie loved maps and created the very first map of the ocean floor, compiling data being collected. She talks about the difficulties of being a woman scientist, and her work challenged scientific thought of the time; grudgingly, scientists began to see how plate tectonics could be true.

J-Biography 526.092 THAR BURL

OTHER TITLES:

Shark Lady: The True Story of How Eugenie Clark Became the Ocean's Most Fearless Scientist
by Jess Keating

The Brilliant Deep: Rebuilding the World's Coral Reefs
by Kate Messner

