

# Jennifer Swanson Resources

BOOK	ACTIVITIES	Related NON-FICTION Books	Related FICTION Books
<p><i>Astronaut-Aquanaut: How Space Science and Sea Science Interact</i> Ages 9 and up</p>	<p>Build Your Own International Space Station: <a href="https://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Build%20the%20Station%20Simulation.html">https://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Build the Station Simulation.html</a></p> <p>Build an Underwater Habitat: <a href="https://nmssanctuaries.blob.core.windows.net/sanctuaries-prod/media/archive/missions/aquarius2007/pdfs/aquariuslesson.pdf">https://nmssanctuaries.blob.core.windows.net/sanctuaries-prod/media/archive/missions/aquarius2007/pdfs/aquariuslesson.pdf</a></p> <p>Go On a Virtual Deep Dive: <a href="https://naturalhistory.si.edu/vt3/sub/">https://naturalhistory.si.edu/vt3/sub/</a></p>	<p>Berne, J. <i>Manfish: A Story of Jacques Cousteau</i>. Ages 6-9.</p> <p>Floca, B. <i>Moonshot</i>. Ages 4-10.</p> <p>Hadfield, C. <i>You Are Here</i>. Ages 9 and up.</p> <p>Nivola, Claire. <i>Life in the Ocean: The Story of Oceanographer Sylvia Earle</i>. Ages 4-8.</p>	<p>Hadfield, C. <i>The Darkest Dark</i>. Ages 5-7.</p> <p>Lunn, J. <i>The Aquanauts</i>. Ages 10 and up.</p> <p>Maas, W. <i>Pie in the Sky</i>. Ages 8-12.</p> <p>Osborne, M. <i>Dark Day in the Deep Sea</i>. Ages 7-10.</p>
<p><i>Brain Games</i> Ages 8-12</p>	<p>View some clips of the hit TV show <i>Brain Games</i>: <a href="https://www.nationalgeographic.org/education/brain-games/">https://www.nationalgeographic.org/education/brain-games/</a></p> <p>Solve a Cryptogram Puzzle: <a href="http://www.oneacross.com/cryptograms/">http://www.oneacross.com/cryptograms/</a></p> <p>Make a Model of the Nervous System: <a href="https://faculty.washington.edu/chudler/chmodel.html">https://faculty.washington.edu/chudler/chmodel.html</a></p>	<p>Moore, G. <i>Brain Games for Clever Kids: Puzzles to Exercise Your Mind</i>. Ages 8-12.</p> <p>Newquist, HP. <i>The Great Brain Book: an Inside Look at the Inside of Your Head</i>. Ages 9-12.</p> <p>Simon, Seymour. <i>The Brain: All About Our Nervous System and More!</i> Ages 6 and up.</p> <p>Wynne, P. <i>My First Book About the Brain</i>. Ages 8-12.</p>	<p>Creech, S. <i>The Wanderer</i>. Ages 8-12.</p> <p>Fox, M. <i>Wilfrid Gordon McDonald Partridge</i>. Ages 5-8.</p> <p>Juster, N. <i>The Phantom Tollbooth</i>. Ages 8-12.</p> <p>Mayer, M. <i>Cinder</i>. Ages 12-18.</p> <p>Raskin, E. <i>The Westing Game</i>. Ages 8 and up.</p>



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<p><i>Dr. E's Super Stellar Solar System</i> Ages 8-12</p>	<p>NASA: Challenging the Space Frontier: <a href="https://www.scholastic.com/teachers/activities/teaching-content/nasa-challenging-space-frontier/">https://www.scholastic.com/teachers/activities/teaching-content/nasa-challenging-space-frontier/</a></p> <p>Make a Comet: <a href="http://www.sciencekids.co.nz/lessonplans/space/makea-comet.html">http://www.sciencekids.co.nz/lessonplans/space/makea-comet.html</a></p> <p>Recreate Constellations with Wikki Stix: <a href="https://www.wikkistix.com/lesson-plans/steam-activity-for-kids-constellation/">https://www.wikkistix.com/lesson-plans/steam-activity-for-kids-constellation/</a></p> <p>Try This! Create a Mountain with Frosting and Graham Crackers (p. 48 of <i>Dr. E's Super Stellar Solar System</i>)</p>	<p>Rusch, E. <i>The Mighty Mars Rovers: The Incredible Adventures of Spirit and Opportunity</i>. Ages 10 and up.</p> <p>Simon, S. <i>Destination: Mars</i>. Ages 6-10.</p> <p>Siy, A. <i>Cars on Mars: Roving the Red Planet</i>. Ages 8-12.</p> <p>Vogt, G. <i>Is There Life on Other Planets?: And Other Questions About Space</i>. Ages 9-12.</p>	<p>Agee, K. <i>Life on Mars</i>. Ages 4-8.</p> <p>Bransford, N. <i>Jacob Wonderbar and the Cosmic Space Kapow</i>. Ages 9-12.</p> <p>Kelly, M. <i>Mousetronaut Goes to Mars</i>. Ages 4-8.</p> <p>O'Brien, P. <i>You Are the First Kid on Mars</i>. Ages 5 and up.</p>
<p><i>Explore Forces and Motion!</i> Ages 7-10</p>	<p>Modify a Paper Cup so it can Zip Down a Line and Drop a Marble onto a Target <a href="https://www.jpl.nasa.gov/edu/teach/activity/on-target/">https://www.jpl.nasa.gov/edu/teach/activity/on-target/</a></p> <p>Speed, Eggs, and Slam! Protect an Egg "Passenger" in a Crash: <a href="http://www.teacherstryscience.org/kidsexperiments/speed-eggs-and-slam">http://www.teacherstryscience.org/kidsexperiments/speed-eggs-and-slam</a></p> <p>Try One of the Many Great Projects from <i>Explore Forces and Motion!</i> such as Pebbles Away! (p. 80).</p>	<p>Boothroys, J. <i>What Floats? What Sinks?: A Look at Density</i>. Ages 6-9.</p> <p>Kamkwamba, W. <i>The Boy Who Harnessed the Wind</i>. Ages 12 and up.</p> <p>Macaulay, D. <i>The Way Things Work Now</i>. Ages 12 and up.</p>	<p>Chin, J. <i>Gravity</i>. Ages 5-8.</p> <p>Tompert, A. <i>Just a Little Bit</i>. Ages 4-7.</p> <p>Clements, A. <i>Jake Drake, Know-It-All</i>. Ages 7-11.</p>



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<p><i>Super Gear</i> Ages 9-12</p>	<p>Size and Scale Experiment &amp; Lesson: <a href="http://nanozone.org/images/pre_analogies.pdf">http://nanozone.org/images/pre_analogies.pdf</a></p> <p>Nanozone website for students in grades 2-7: <a href="http://nanozone.org">http://nanozone.org</a></p> <p>Small Science Big Decisions Debate: <a href="http://ice.chem.wisc.edu/NanoDecisions/index.html">http://ice.chem.wisc.edu/NanoDecisions/index.html</a></p> <p>My Molecularium, a web-based game that allows students to virtually connect atoms: <a href="http://nanospace.molecularium.com">http://nanospace.molecularium.com</a></p>	<p>Amstutz, Lisa. <i>Discover Nanotechnology</i>. Ages 8-11</p> <p>Krull, K. <i>Wilma Unlimited</i>. Ages 6 and up.</p> <p>Johnson, R. <i>Nanotechnology (Cool Science)</i>. Ages 9-12</p> <p>Wells, R.. <i>What's Smaller Than a Pygmy Shrew?</i> Ages 4-8</p>	<p>Hortona, L. <i>Alice in Nanoland</i>. Ages 7 and up.</p> <p>Jamieson, V. <i>Olympig</i>. Ages 5-8</p> <p>Wells, R. <i>Is a Blue Whale the Biggest Thing There Is?</i> Ages 7-10</p>
<p><i>Zoology: Cool Women who Work with Animals</i> Ages 9-12</p>	<p>Examine What it Takes to Be a Cornell Biologist or a National Geographic photographer with the Birds of Paradise Project: <a href="https://www.nationalgeographic.org/media/birds-paradise-project/">https://www.nationalgeographic.org/media/birds-paradise-project/</a></p> <p>Controversy Over Wild Cats Lesson Plan: <a href="https://www.nwf.org/~media/PDFs/Be%20Out%20There/National-Wildlife-Week/2011/Controversy-Over-Wild-Cats-5-8.pdf">https://www.nwf.org/~media/PDFs/Be%20Out%20There/National-Wildlife-Week/2011/Controversy-Over-Wild-Cats-5-8.pdf</a></p> <p>View Webcams at the National Zoo: <a href="https://nationalzoo.si.edu/webcams">https://nationalzoo.si.edu/webcams</a></p>	<p>Ottaviani, J. <i>Primates: The Fearless Science of Jane Goodall, Diane Fossey, and Biruté Galdikas</i>. Ages 12-18.</p> <p>EarthWorks Group. <i>The New Simple 50 Things Kids Can Do to Save the Earth</i>. Ages 8-12.</p> <p>Lawlor, L. <i>Rachel Carson and Her Book That Changed the World</i>. Ages 7-10.</p>	<p>Applegate, K. <i>The One and Only Ivan</i>. Ages 8-12.</p> <p>Brett, J. <i>Annie and the Wild Animals</i>. Ages 4-7.</p> <p>Pennypacker, S. <i>Sparrow Girl</i>. Ages 5-9.</p> <p>Segal-Walters, J. <i>This is Not Your Normal Animal Book</i>. Ages 4-8.</p>

