



Science Activity Books

Teaching Resources Center, Joyner Library A Selective Annotated Bibliography

Titles in the Teaching Resources Center are cataloged with Dewey call numbers and are preceded by Curric. Please ask someone at the Teaching Resources Service Desk if you need any assistance.

Lexile Score	Title Information	Call Number
NONFICTION		
NC1060L	Driscoll, Michael. <i>A Child's Introduction to the Environment: The Air, Earth, and Sea Around Us – Plus Experiments, Projects, and Activities You Can Do to Help the Planet!</i> New York: Black Dog & Levanthal Publishers, 2008.	333.72 D8333C
	Discusses a variety of environmental sciences topics, including global warming, food chains, and desertification, along with a collection of experiments and conservation activities.	
N/A	Caduto, Michael J. <i>Catch the Wind, Harness the Sun</i> . North Adams, MA: Storey Pub., 2011.	333.79 C1155C
	Suggests activities and experiments for understanding global warming, causing a smaller power footprint, and using solar and wind power, and spotlights young activists.	
900L	Becker, Helaine. <i>Science on the Loose: Amazing Activities and Science Facts You'll Never Believe</i> . Toronto, ON: Maple Tree Press, 2008.	507.8 B3885S
	Presents a variety of scientific experiments that cover such topics as chemistry, climate change, genes, and photosynthesis.	

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| N/A | Winston, Robert M.L. <i>Science Experiments</i> . London: DK, 2011. | 507.8
W733S |
| <p>Introduce your child to science with Professor Robert Winston's Science Experiments. These exciting hands-on experiments - from creating balloon rockets or glow-in-the-dark jelly to making metal detectors - will help your child get to grips with science. Science Experiments covers all areas from life on earth to physical science. There are projects for all abilities, from quick-and-easy science in seconds to trickier group projects for schools.</p> | | |
| 470L | Shores, Lori. <i>Cómo Hacer Slime/How to Make Slime</i> . Mankato, MN: Capstone Press, 2011. (Also by author: <i>How to Build a Fizzy Rocket</i> , <i>How to Build a Tornado in a Bottle</i> , <i>How to Make a Bouncing Egg</i> , and <i>How to Make a Mystery Smell Balloon</i>) | 620.1
SH78H.A |
| <p>Simple text and full-color photos instruct readers on how to make slime and explains the science behind the activity--in both English and Spanish.</p> | | |
| N/A | Young, Karen Romano. <i>Junkyard Science: 20 Projects and Experiments About Junk Garbage, Waste, Things We Don't Need Anymore, and Ways to Recycle or Reuse It – Or Lose It</i> . Washington, DC: National Geographic, 2010. | 628.4
Y858J |
| <p>Pull on your gloves and experience the science of trashology! It's all about the stuff that's thrown away: analyzing the waste produced by your school's cafeteria, understanding the decomposition rates of garbage bags, comparing the cost effectiveness of one-use batteries versus rechargeables.</p> | | |

PROFESSIONAL COLLECTION

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| | Foundotos, Zoe G. <i>Get Ready for School: Activities and Games</i> . New York: Black Dog & Levanthal Publishers, 2009. | 372.21
F8255GA |
| <p>The activities in this book focus on the basics of letter, number, shape, and color recognition and writing, and teach a wide variety of skills oriented toward reading, math, and science readiness, as well as basic concepts explored in early childhood classrooms.</p> | | |
| | Trumbauer, Linda. <i>Brain Quest Grade 1 Workbook</i> . New York: Workman Publishing, 2008. (Also available: Grades pre-K, K, 2, 3, and 4) | 372.241
T771B |
| <p>Jam-packed with hundreds of curriculum-based activities, exercises and games in every subject, Brain Quest Grade 1 Workbook reinforces what kids are learning in the classroom. The workbook's lively layout and easy-to-follow explanations make learning fun, interactive, and concrete.</p> | | |

- Callella-Jones, Trisha. ***I Have, Who Has? Science. 3-5.*** Huntington Beach, CA: Creative Teaching Press, 2008. (Also Grades 6-8). 372.3
C132I
GR. 3-5
- This book features 12 or more different interactive games based on a particular life science, earth science, or physical science theme.
- Eichinger, John. ***Activities Linking Science with Math, K-4.*** Arlington, VA: NSTA Press, 2009. (Also available: Grades 5-8). 372.35
EI24A1
- Taps into students' natural curiosity about the world around them and enables elementary school teachers to connect science instruction with the visual arts, social sciences, language arts, and especially math.
- Feasey, Rosemary. ***Jumpstart! Science: Games and Activities for Ages 5-11.*** New York: Routledge, 2009. 372.35
F3124J
- Encourages teachers to develop creative approaches to motivating and engaging children in science. This book features 55 science games and activities. It is suitable for primary teachers.
- Froschauer, Linda (Ed.). ***The Frugal Science Teacher, PreK-5: Strategies and Activities.*** Arlington, VA: National Science Teachers Association, 2010. (Also: Grades 6-9) 372.35
F941
GR. PK-5
- Contains essays that describe creative ways in which science teachers of students in prekindergarten through fifth grade can limit the out-of-pocket costs of classroom projects and includes a list of free resources.
- Pica, Rae. ***Jump into Science: Active Learning for Preschool Children.*** Beltsville, MD: Gryphon House, 2009. 372.35
P5801J
- Bring science to life as children learn about their bodies, animals, seasons, and the weather. The activities in each chapter are organized by level of difficulty, and each one incorporates fun, exciting science experiences with movement.
- Plaster, Liz. ***Incredible Edible Science: Recipes for Developing Science and Literacy.*** St. Paul, MN: Redleaf Press, 2010. 372.35
P6955I
- The book provides everything needed to teach important science process skills in a safe, developmentally appropriate way. These cross-curricular activities promote brain development and fully engage children through physical involvement-such as exploring balance and texture as they create popcorn ball structures, classifying and patterning different types of cereal, and investigating fractions with biscuits-and participation in literacy and language components such as phonemic awareness, vocabulary development, and following directions.

Walker, Pam. *Hands-On General Science Activities with Real-Life Applications: Ready-to-Use Labs, Projects, & Activities for Grades 5-12*. San Francisco: Jossey-Bass, 2008.

507.1
W1535H

In this second edition of *Hands-On General Science Activities with Real Life Applications*, Pam Walker and Elaine Wood have completely revised and updated their must-have resource for science teachers of grades 5-12.

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