

Brookhaven National Laboratory Office of Educational Programs

BIBLIOGRAPHY

ENGINEERING, TECHNOLOGY AND MATH

Title	Author	Fiction	Suggested Grades													
			K	1	2	3	4	5	6	7	8	9	10	11	12	
ENGINEERING																
Cool Careers in Engineering	O'Shaughnessy, Tam							✓	✓	✓	✓	✓	✓			
Inclined Planes and Wedges	Walker, Sally		✓	✓	✓	✓										
Roberto, The Insect Architect	Laden, Nina	✓		✓	✓	✓	✓									
Super Sand Castle Saturday	Murphy, Stuart			✓	✓	✓										
The Greedy Triangle	Burns, Marilyn	✓	✓	✓	✓	✓										

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			K	1	2	3	4	5	6	7	8	9	10	11	12	
MATH																
Cool Careers in Math	Groshong, Kimm							✓	✓	✓	✓	✓	✓			
Fractions in Disguise	Einhorn, Edward	✓			✓	✓	✓	✓								
From Head to Toe, Body Math (I Love Math)	Daniels, Ed., Patricia		✓	✓	✓	✓										
Spaghetti and Meatballs for All	Burns, Marilyn	✓	✓	✓	✓	✓										
Zero	Otoshi, Kathryn	✓	✓	✓	✓	✓										

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NANOTECHNOLOGY																
Nano Nature	Jones, Richard								✓	✓	✓	✓	✓	✓	✓	✓
Nanotechnology	Johnson, Rebecca L.						✓	✓	✓	✓	✓	✓				
Nanotechnology	Maddox, Diane					✓	✓	✓	✓	✓	✓					

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SCIENCE METHODS AND TOOLS																
50 Fabulous Measurement Activities	Lee, Martin			✓	✓	✓										
A Closer Look	Lunis, Natalie		✓	✓	✓											
Accidents May Happen	Jones, Charlotte					✓	✓	✓	✓							
George Shrinks	Joyce, William	✓	✓	✓	✓											
Greg's Microscope	Selsam, Millicent	✓	✓	✓	✓	✓										
Hershey's Milk Chocolate Weights and Measures	Pallotta, Jerry				✓	✓	✓									
Hidden Worlds: Looking Through a Scientist's Microscope	Kramer, Stephanie						✓	✓	✓	✓	✓					
How Big is a Foot?	Myller, Rolph	✓	✓	✓	✓	✓										
How Tall and How Far Away	Adler, David		✓	✓	✓	✓	✓									
Measurement Mania: Games and Activities That Make Math Easy and Fun	Long, Lynette				✓	✓	✓	✓	✓							
Measuring Penny	Leedy, Lorraine	✓			✓	✓	✓									
Millions to Measure	Schwartz, David M.	✓	✓	✓	✓	✓	✓	✓								
Secret Treasures and Magical Measures: Adventures in Measuring: Time, Temperature, Length, Weight, Volume, Angles, Shapes and Money	Kensler, Chris	✓				✓	✓	✓	✓							
Super Sand Castle Saturday	Murphy, Stuart			✓	✓	✓										
The Usborne Complete Book of the Microscope.	Rogers, Kristen					✓	✓	✓	✓	✓	✓					

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SHAPE AND STRUCTURES																
Build It!: Activities for Setting Up Super Structures	Good, Keith						✓	✓	✓	✓						
Building	Cooper, Elisha		✓	✓	✓											
Make it Work!: Building	Glover, David						✓	✓	✓	✓						
Round Buildings, Square Buildings, and Buildings that Wiggle Like a Fish	Isaacson, Phillip				✓	✓	✓	✓	✓							
Stanley, Flat Again	Brown, Jeff	✓			✓	✓	✓									
The Golden Gate Bridge.	Doherty, Craig					✓	✓	✓	✓	✓						
The Man Who Walked Between the Towers	Gerstein, Mordecai		✓	✓	✓	✓										



For a complete list of teacher resources please visit our website at www.bnl.gov/education/static/teacher-resources.asp or scan the QR code at left.

EARTH & SPACE SCIENCES

Title	Author	Fiction	Suggested Grades													
			K	1	2	3	4	5	6	7	8	9	10	11	12	
EARTH AND SOIL																
From Lava to Life: The Universe Tells Our Earth Story	Morgan, Jennifer					✓	✓	✓	✓							
How To Dig A Hole to the Other Side of the World	McNulty, Faith		✓	✓	✓	✓										
Nature Close Up Juniors: Soil	Pascoe, Elaine			✓	✓	✓										
The Big Rock	Hiscock, Bruce						✓	✓	✓							
The Science of Soil	Bocknek, Jonathan			✓	✓	✓	✓	✓	✓							

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SPACE																
Along Came Galileo	Bendick, Jeanne							✓	✓	✓	✓					
An Earthling's Guide to Mars: Travel to Mars with Pathfinder	Summers, Carolyn						✓	✓	✓							
Beyond Jupiter	Hammel, Heidi								✓	✓	✓	✓				
Big Bang, The Story of the Universe	Couper, Heather							✓	✓	✓	✓					
Big Bang! The Tongue Ticking Tale of a Speck That Became Spectacular	DeCristofano, Carolyn Cinami	✓			✓	✓	✓	✓	✓							
Born With a Bang: The Universe Tells Our Cosmic Story	Morgan, Jennifer					✓	✓	✓	✓							
Close Encounters: Exploring the Universe with the Hubble Space Telescope	Scott, Elaine							✓	✓	✓	✓					
Destination: Mars	Simon, Seymour			✓	✓	✓	✓	✓								
Galileo for Kids: His Life and Ideas, 25 Activities	Panchyk, Richard							✓	✓	✓	✓	✓				
Galileo's Journal (1609-1610)	Pettenati, Jeanne			✓	✓	✓	✓									
Interfact: Space Travel	Graham, Ian						✓	✓	✓	✓	✓					
Is Anybody Out There? The Search for Life Beyond Our Planet	Couper, Heather							✓	✓	✓	✓					
Looking for Life in the Universe	Jackson, Ellen							✓	✓	✓	✓	✓				
Mars	Bova, Ben	✓							✓	✓	✓	✓				
Mars (Our Solar System)	Rau, Dana Meachen				✓	✓	✓	✓								
Mars Rovers	Davis, Lucile						✓	✓	✓	✓	✓					
Max Goes to Mars	Bennett, Jeffrey	✓			✓	✓	✓									
Mission to Mars (Let's-Read-and-Find-Out)	Branley, Franklyn M.	✓	✓	✓	✓	✓	✓									
Return to Mars	Bova, Ben	✓							✓	✓	✓	✓				
Space Station Science – Life in Free Fall	Dyson, Marianne						✓	✓	✓	✓	✓					
Stars! Stars! Stars!	Barner, Bob		✓	✓	✓	✓										
The Adventures of Sojourner: The Mission to Mars That Thrilled the World	Wunsch, Susi							✓	✓	✓	✓	✓				
The Illustrated Timeline of the Universe	Harrington, Phil								✓	✓	✓	✓				
The Manga Guide to the Universe	Ishikawa, Kenji	✓									✓	✓	✓		✓	✓
The Mystery of Mars	Ride, Sally						✓	✓	✓	✓	✓					
The Planets in Our Solar System (Let's-Read-and-Find-Out)	Branley, Franklyn M.		✓	✓	✓	✓	✓									
There's No Place Like Space: All About Our Solar System	Rabe, Tish	✓	✓	✓	✓	✓										
You are the First Kid on Mars	O'Brien, Patrick		✓	✓	✓	✓	✓	✓	✓							

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SUNLIGHT AND WEATHER																
All the Colors of the Rainbow	Fowler, Alan		✓	✓	✓	✓										
Bear Shadow	Asch, Frank	✓	✓	✓	✓											
Down Comes The Rain	Branley, Franklyn	✓	✓	✓	✓	✓										
Feel The Wind	Dorros, Arthur		✓	✓	✓	✓	✓									
Flash, Crash, Rumble & Roll	Branley, Franklyn	✓	✓	✓	✓	✓	✓									
Franklin and the Thunderstorm	Bourgeois, Paulette	✓	✓	✓	✓	✓										
How the Weather Works	Allaby, Michael					✓	✓	✓	✓	✓	✓	✓				
Mirandy and Brother Wind	McKissack, Patricia C.	✓	✓	✓	✓	✓										
My Light	Bang, Molly		✓	✓	✓	✓										
Nicky and the Rainy Day	Gorbachev, Valerie	✓	✓	✓	✓	✓										
Oh Say Can You Say What's the Weather Today?	Rabe, Tish		✓	✓	✓	✓										
Snowflake Bentley	Martin, Jacqueline Briggs		✓	✓	✓	✓										
Snowflakes in Photographs	Bentley, Wilson A.			✓	✓	✓	✓	✓								
Storm is Coming!	Tekavec, Heather	✓	✓	✓	✓	✓										
The Best Book of Weather	Adams, Simon		✓	✓	✓	✓	✓	✓								
The Kids' Book of Weather Forecasting	Breen, Mark				✓	✓	✓	✓	✓	✓	✓					
The Magic School Bus Inside a Hurricane	Cole, Joanna	✓	✓	✓	✓	✓	✓	✓								
The Magic School Bus Kicks Up A Storm: A Book about Weather	White, Nancy	✓	✓	✓	✓	✓										
The Magic School Bus: A Science chapter book #5: Twister Trouble	Schreiber, Anne	✓			✓	✓	✓	✓								
The Man Who Named the Clouds	Hannah, Julie				✓	✓	✓	✓								
The Sun is My Favorite Star	Asch, Frank		✓	✓	✓	✓										
The Sun: Our Nearest Star (Let's-Read-and-Find-Out)	Branley, Franklyn		✓	✓	✓	✓										
Thunder Cake	Polacco, Patricia	✓	✓	✓	✓	✓										
Un-Brella	Franson, Scott E.	✓	✓	✓	✓											
Usborne Book of Weather Facts	Ganeri, Anita					✓	✓	✓	✓	✓	✓					
Weather Forecasting	Gibbons, Gail		✓	✓	✓	✓										
What Will the Weather Be?	DeWitt, Lynda		✓	✓	✓	✓	✓									