



Hands-On Standards® STEM in Action™ Book Recommendations - PreK

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Unit: Force and Objects			
Move It! Motion, Force, and You	Adrienne Mason	Kids Can Press	1553377591
Push and Pull	Patricia J. Murphy	Children's Press	0516268643
And Everyone Shouted, "Pull!" A First Look at Force and Motion	Claire Llewellyn Page	Picture Window Books	1404806563
Push and Pull (The Way Things Move)	Lola Schaefer	Capstone Press	0736886095
Push and Pull (Science Emergent Readers)	Susan Canizares and Betsey Chessen	Scholastic Trade	043908119X
Unit: Building Structures			
How a House Is Built	Gail Gibbons	Holiday House	0823412326
Look at that Building! A First Book of Structures	Scott Ritchie	Kids Can Press	1554536960
Buildings	Pamela Chanko and Betsey Chessen	Scholastic	0439045843
Building a House	Byrin Barton	Scholastic/Green Willow Books	0688093566
Building Tools	Inez Snyder	Scholastic/Children's Press	0516239767
Unit: Earth Characteristics and Mapping			
Follow that Map! The First Book of Mapping Skills	Scott Ritchie	Kids Can Press	1554532744
Where Do I Live?	Neil Chesanow	Barron's Educational Series	0812092414
Me on the Map	Joan Sweeney	Dragonfly Books	0517885573
Maps and Globes (Reading Rainbow Book)	Jack Knowlton	HarperCollins	0064460495
A Bird's Eye View: A First Book of Maps	Harriet Wittels	Scholastic Trade	0590466216
Unit: Force, Stability, and Balance			
Balancing Act	Ellen Stoll Walsh	Beach Lane Books	1442407573
Just a Little Bit	Ann Tompert	HMH Books for Young Readers	039577876X
Who Sank the Boat?	Pamela Allen	Puffin Books	069811373X
How Heavy	Mark Weakland and Bill Bolton	Picture Window Books	147951912X
Equal Shmequel	Virginia Kroll	Charlesbridge	1570918929
Unit: Living Things and Habitats			
What's Alive (Let's Read and Find out Science)	Kathleen Weidner Zoehfeld	HarperCollins	0064451321
Is It Living or Nonliving?	Rebecca Rissman	Heinemann	1432922793
What do Living Things Need?	Elizabeth Austin	Teacher Created Material	1480745235
A Rainforest Habitat	Molly Aloian and Bobbie Kalnan	Crabtree Publishing	0778729869
Animal Habitats	Eds Sundance	Sundance Publishing (Little Red Readers)	0613302249



Hands-On Standards® STEM in Action™ Book Recommendations - Kindergarten

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Unit: Heating and Cooling			
Temperature: Heating Up and Cooling Down	Darlene R. Stille	Picture Window Books	1404803459
A Cool Summer Tail	Carrie Pearson	Sylvan Dell Publishing	162855214X
The Magic School Bus in the Arctic: A Book about Heat	Joanna Cole and Bruce Degen	Scholastic Paperbacks	0590187244
Solar Energy	Rose Lewis	Pioneer Valley Books	1584535458
Heating	Sheila Rivera	Lerner Publishing Group	0822564157
Unit: Pushes and Pulls			
Pushes and Pulls (Time for Kids Nonfiction Readers)	Sharon Coan	Teacher Created Material	1493820524
Motion: Push and Pull, Fast and Slow	Darlene R. Stille	Picture Window Books	1404803483
Forces Make Things Move	Kimberly Brubaker-Bradley	HarperCollins	006445214X
Give It a Push! Give It a Pull! A look at Forces	Jennifer Boothroyde	Lerner Classroom	0761360565
Pushing and Pulling	Natalie Hyde	Crabtree Publishing	0778705331
Unit: Pollution and Human Impact			
Willy the Kid: The Pollution Fighter	Libby Stein	Author House	1504900391
I Can Save the Earth	Alison Inches	Little Simon	1416967893
The Berenstain Bears Don't Pollute (Anymore)	Stan and Jan Berenstain	Turtleback	9780679823513
Pollution Problems and Solutions	National Wildlife Federation	Ranger Rick's Nature Scope	0070471053
Earth Day	Nancy Sanders	Children's Press	0516277766



Hands-On Standards® STEM in Action™ Book Recommendations - 1st Grade

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Unit: Animal Characteristics			
Animal Characteristics (Investigate!)	Sue Barraclough	Heinemann	1432914022
What Do You Do When Somebody Wants to Eat You?	Steve Jenkins	HMH Books for Readers	0618152431
Animal Habitats	Julie Lundgren	Rourke Publishing	1617419346
What Do You Do with a Tail Like This?	Steve Jenkins and Robin Page	HMH Books for Young Readers	061899713X
Who Has These Feet?	Laura Hulbert	Henry Holt and Co.	0805089071
Unit: Sound Waves and Vibrations			
What Are Sound Waves?	Paula Smith	Crabtree Publishing	0778705269
Vibrations Make Sound	Jennifer Boothroyd	Lerner Publishing Group	1467745073
Sound	Kay Manolis	Bellwether Media	1600143539
Sound: Loud, Soft, High, and Low	Natalie M. Rosinsky	Picture Window Books	1404803351
How Does Sound Change? (Light and Sound Waves Close-Up)	Robin Johnson	Crabtree Publishing	0778705242
Unit: Light and Shadow			
Playing with Your Light and Shadow	Jennifer Boothroyd	Lerner Publishing Group	1467745030
Shadows	Pam Holden	Flying Start Books	1776540565
Just for You: Lights Out!	Angela Shelf Medearis	Scholastic Teaching Resources	0439568684
Shadows	Carolyn Otto	Scholastic	0439295831
Nothing Sticks Like a Shadow	Ann Tompert	HMH Books for Young Readers	0395479509



Hands-On Standards® STEM in Action™ Book Recommendations - 2nd Grade

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Unit: Material Properties			
Touch It! Materials, Matter, and You	Adrienna Mason	Kids Can Press	1553377613
Shaping Materials	Chris Oxlade	Crabtree Publishing	0778736512
Amazing Materials	Sally Hewitt	Crabtree Publishing	077873627X
What If Rain Boots Were Made of Paper?	Kevin Beals and P. David Pearson		1598214926
Matter and Materials	John Clark	Gareth Stevens Publishing	0836863070
Unit: Water and Erosion			
Weathering and Erosion	Torrey Maloff	Teacher Created Material	1480746118
Do You Really Want to Create a Mudslide? A Book About Erosion	Daniel Maurer	Series Adventures in Science (RiverStream)	1622433580
The Drop in My Drink	Meredith Hooper	Frances Lincoln Children's Books	1847807143
Erosion	Virginia Castleman	Perfection Learning Corporation	0756944414
Water Power	Christine Pearson	Scholastic Library Publishing	9780516228082
Unit: Seeds and Pollination			
The Reason for a Flower: A Book About Flowers, Pollen, and Seeds	Ruth Heller	Explore Science	0698115597
Parts of a Flower	Candice Ransom	Lerner Publishing Group	1467760706
Seeds	Ken Robbins	Simon and Schuster Children's Publishing	0689850417
From Seed to Plant	Gail Gibbons	Holiday House	0823410250
Seed by Seed: The Legend and Legacy of John "Appleseed" Chapman	Eisme Raji Codell	HarperCollins Publishing	0061455156



Hands-On Standards® STEM in Action™ Book Recommendations - 3rd Grade

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Unit: Severe Weather and Hazards			
Severe Storm and Blizzard Alert	Lynn Peppas	Crabtree Publishing	0778716058
Nonfiction Companion to “Twister on Tuesday” Magic Tree House	Mary Pope and Will Osborne	Penguin Random House	0375813586
Super Storms	Seymour Simon	Chronicle Books	1587171384
Time for Kids: Storms!	Leslie Dickstein	HarperCollins	0060782048
DK Eyewitness Books: Hurricane and Tornado	Jack Challoner	DK Children	1465420533
Unit: Magnetic Force			
Magnetism	Mari Schuh	Scholastic Library Publishing	0531284565
Amazing Magnetism	Rebecca Carmi	Scholastic Trade Books	0439314321
Magnets	Anne Schreiber	Scholastic	0439680654
Magnets: Pulling Together, Pushing Apart (Amazing Science)	Natalie Rosinsky	Picture Window Books	1404803335
Magnet Max	Monica Lozano Hughes	Brown Book Kids	1612542247
Magnets in the Real World (Science in the Real World)	Chris Eboch	Abdo Publishing Company	161783792X
Unit: Habitats and Environmental Change			
Habitats	William Rice	Teacher Created Material	1480746010
Backyard Habitats	Kelley MaCaulay and Bobbie Kalman	Crabtree Publishing	0778729850
A Warmer World: From Polar Bears to Butterflies, How Climate Changes Affect Wildlife	Caroline Arnold	Charlesbridge Publishing	1580892671
The ABC’s of Habitat (ABC’s of the Natural World)	Bobbie Kalman	Crabtree Publishing	0778734315
Nature’s Patchwork Quilt: Understanding Habitats (Good Read Aloud)	Mary Miche	Dawn Publishing	1584691700



Hands-On Standards® STEM in Action™ Book Recommendations - 4th Grade

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Unit: Solar Energy			
Solar Energy	Armentrout	Rourke Publishing	1617415405
Harnessing Power From the Sun	Niki Walker	Crabtree Publishing	0778729265
Save Energy	Kay Barnham	Crabtree Publishing	0778736709
Solar Power	Christine Pearson	Children's Press	0516228072
The Kids Solar Energy Book	Tilly Spetgang	Charlesbridge Publishing	9781936140466
Unit: Earthquakes			
Earthquakes (Smithsonian)	Seymour Simon	HarperCollins Publishing	0060877154
Earthquakes	Ker Than	Scholastic Library Publishing	0531213501
Earthquakes	Luke Thompson	Scholastic Library Publishing	0516235664
Earthquakes and Other Natural Disasters	Harriet Griffey	DK Children	0756659329
Time for Kids: Earthquakes	Editor for Time for Kids	HarperCollins	0060782110
Unit: Codes, Data, and Communication			
How to Code in 10 Easy Lessons: Learn How to Design and Code Your Very Own Computer Game	Sean McManus	Walter Foster Jr.	1633220508
DK Workbooks: Coding with Scratch Workbook	DK	DK Children	1465443924
The Unbreakable Code	Sara Hoagland Hunter	Cooper Square Publishing	0873589173
DK Workbooks: Computer Coding	DK	DK	146542685X
Python for Kids: A playful Introduction to Programming	Jason Briggs	No Starch Press	1593274076



Hands-On Standards® STEM in Action™ Book Recommendations - 5th Grade

<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Unit: Solids and Fluids			
Solid, Liquid, or Gas?	Sally Hewitt	Children's Press	0516263935
Solid, Liquid, and Gases	National Geographic	Heinle ELT	1133492762
States of Matter - Liquid	Jim Mezzanotte	Weekly Reader Early Learning Library	0836868048
States of Matter - Solid	Jim Mezzanotte	Weekly Reader Early Learning Library	0836868056
Solids, Liquids, and Gases	Robert Gardner	Enslow Publishing	076604145X
Unit: Plants			
What Is a Plant? Series: The Science of Living Things	Bobbie Kalman	Crabtree Publishing	0865059594
The World of Plants	Michael Macceca	Teacher Created Material	074390589X
Reproduction of Plants Series: My Science Library	Julie Lundgren	Rourke Publishing	1618102230
Plant	David Burnie	DK Publishing	0756660351
Plant Life	Peter Riley	Franklin Watts	0531145077
Unit: Water Pollution			
Save the Planet: Keeping Water Clean	Courtney Farrell	Cherry Lake Publishing	160279779X
Water	Melissa Stewart	National Geographic Society	1426314744
Struggle for Survival: Water	William Rice	Time For Kids Nonfiction Readers	149383603X
Water Pollution	Rhonda Lucas Donald	Children's Press	0516273574
You Would Not Want to Live Without Clean Water	Rodger Canavan	Children's Press	0531213102



Hands-On Standards® STEM in Action™ Engineering Book Recommendations

<u>STEM in Action Module</u>	<u>Title</u>	<u>Author</u>	<u>Publisher</u>	<u>ISBN</u>
Sunny Sandbox Exploration	Civil Engineering and the Science of Structures	Andrew Solway	Crabtree	9780778775010
Sidewalk Safety Exploration	Civil Engineering and the Science of Structures	Andrew Solway	Crabtree	9780778775010
Little Footprint Exploration	Environmental Engineering and the Science of Sustainability	Robert Snedden	Crabtree	9780778712138
Wild Feet Exploration	Biomedical Engineering and Human Body Systems	Rebecca Sionger	Crabtree	9780778775058
Sound Bite Exploration	Audio Engineering and the Science of Sounds Waves	Anne Rooney	Crabtree	9780778711964
Shadow Box Theater Exploration	Optical Engineering and the Science of Light	Chris Oxlade	Crabtree	9780778712282
Muddy Mats Exploration	Materials Engineering and Exploring Properties	Robert Snedden	Crabtree	9780778775140
Shrinking Shore Exploration	Civil Engineering and the Science of Structures	Andrew Solway	Crabtree	9780778775010
Seed Rescue Exploration	Biomedical Engineering and Human Body Systems	Rebecca Sionger	Crabtree	9780778775058
Farmer Grady's Challenge	Civil Engineering and the Science of Structures	Andrew Solway	Crabtree	9780778775010
Farmer Grady's Challenge	Agricultural Engineering and Feeding the Future	Anne Rooney	Crabtree	9780778775041
Squeaky Clean Magnets Challenge	Mechanical Engineering and Simple Machines	Robert Snedden	Crabtree	9780778775034
Wildlife Corridors Challenge	Civil Engineering and the Science of Structures	Andrew Solway	Crabtree	9780778775010
Solar House Design Challenge	Materials Engineering and Exploring Properties	Robert Snedden	Crabtree	9780778775140
Solar House Design Challenge	Energy Engineering and Powering the Future	Jonathan Nixon	Crabtree	9780778775393
Earthquake Technologies Challenge	Civil Engineering and the Science of Structures	Andrew Solway	Crabtree	9780778775010
Earthquake Technologies Challenge	Geotechnical Engineering and Earth's Materials and processes	Rebecca Sionger	Crabtree	9780778775065
Digital Relay Challenge	Electrical Engineering and the Science of Circuits	James Bow	Crabtree	9780778775027
The Great Toy Design Challenge	Chemical Engineering and the States of Matter	Robert Snedden	Crabtree	9780778711971
Food Deserts Challenge	Agricultural Engineering and Feeding the Future	Anne Rooney	Crabtree	9780778775041
Rainwater Runoff Design Challenge	Environmental Engineering and the Science of Sustainability	Robert Snedden	Crabtree	9780778712138