

# Science Core Resources

## 1. Lakeshore Thematic Kits (Grades K-1)

These units are packed full of fun manipulatives and theme-based props. Includes a guide with hands-on-activities and comprehensive web covering eight different curriculum areas. Topics include Tools & Machines, Dinosaurs, Seasons & Weather, Growing Things, Earth & Environment, Wild Animals, Food & Nutrition, Sea Life, Space, and Insects & Spiders.

## 2. Teacher Created Materials Thematic Science Units (Grades K-2)

This series is based on children's literature. Activities are included which set the stage for reading, encourage the enjoyment of the book and extend the concepts gained. The theme is connected to the curriculum with activities in language arts, math, science, social studies, art, music, and life skills. Topics include Weather, Animals, Magnets, Food & Nutrition, Bugs, My Body, Ants, Penguins, Our Environment, Bears, Rivers & Ponds, Birds, Silkworms and Mealworms, Food, Owls, Five Senses, Bats, Dragons & Dinosaurs, Tide Pools & Coral Reefs, Rocks & Soil, Plants, Seasons, Ladybugs, Bubbles, Color, Sea Animals, and Butterflies.

## 3. Evan-Moor Science Works for Kids Series (Grades 1-3)

This reproducible activity series includes hands-on activities. Science is connected with real life in easy to teach step-by-step lessons divided by concepts. Record sheets, logbook, mini books and picture cards are included. Titles include: Simple Machines, Water, Plants, Geology, Animals with Backbones, Habitats, Animals without Backbones, How Your Body Works, Exploring Space, and Energy.

## 4. Stratton House Science Learning Kits (Grades 1-8)

Hands-on learning kits designed to make your home education fun, easy and effective. These hands-on lessons take little or no preparation time. Children of different ages can work together, because they'll be challenged at their own levels. Advanced activities, discussion questions and lists of additional resources are included. All of the equipment you'll need is provided, right down to batteries and paper clips. Kits available include:  
Kit 1: The Astronomy Adventure, Discovery Birds, and The Magnetism Adventure Kit 2: Microscopic Adventure, Discovering Insects, and The Wonders of Light.

## 5. Delta Science in a Nutshell mini-kits (Grades 2-6)

Open any Nutshell, take out the easy-to-follow activity guide, the activity journal and reusable materials; add 1-3 students and witness how quickly students develop into young scientists. Teacher's Guide includes a journal, activities and assessments. These mini-kits are ideal for homeschooling. There are several to choose from: Clever Levers, Energy and Motion, Flight! Gliders to Jets, Fossil Formations, Gears at Work, Magnet Magic, Pulley Power, Rock  
GSDA Core Curriculum Revised 8/10/2009

Origins, Seed Mysteries, Weather Wise, Wheels at Work, Work, Plane and Simple, A Peek Inside You: Body Basics, One and Only You, Smell, Taste and Touch, Human Machine, Vision & Hearing, Breaking Earth's Hold, Charge It! Static Electricity, Crystal Creations, Destination Moon, Earth & Sun, Electrical Connections, Is it Alive?, Microworlds, Oceans Alive, Our Changing Earth, Oceans in Motion, Planets & Stars, Ponds & Streams, Small Wonders, Soil Studies, Sound Vibrations, Water Cycle, Bubble Science, Electro-Magnetism, Flowering Plants, and Water Physics.

### 6. Milliken Science-Based Thematic Units (Grades 2-9)

Each book is science based yet also incorporates other curriculum areas in exploring the title topic. Four full-color transparencies stimulate interest visually, while eight corresponding reproducible pages allow students to explore each topic on their own. A teaching guide is provided with background information, a bibliography, and suggestions for additional interdisciplinary activities. Titles available: Apples, Eyes, Feathers, Gears and Wheels, Honeybees, Insects, Light, Magnets, Nutrition, Plants, Weather, and Zoos.

### 7. Science Pockets (Grades 2-6)

Found in our supplemental section, this is a home school favorite. Complete science units in convenient, reproducible booklets. Each booklet includes 48 activity sheets and activity guide. Explore basic science skills with creating 3-D models, cut, paste and discover, color, compare and classify, and more. Three titles are available: Simple Tools & Machines, The Solar System, and Human Sense & Body Parts.

### 8. Janice Van Cleave's Science Series (Grades 3-6)

Found in our library, this series explores the mysteries and the workings of the human body through this fascinating collection of ideas, projects, and activities. Have fun while learning about everything from the body's basic building blocks to how the brain receives messages from other parts of the body. Most of the materials you need are already part of you; the rest you will easily find around the house. Every experiment has an easy-to-understand lesson. Other titles available include:

- VanCleave's Biology for Every Kid Ages
- VanCleave's The Human Body for Every Kid Ages
- VanCleave's Chemistry for Every Kid
- VanCleave's Physics for Every Kid

### 9. Glencoe - Earth Science (Grades 6-8)

This curriculum is aligned with National Science Education Standards. A teacher's guide, student book, assessments, and enrichment activities are provided. MiniLABs and Activities involve students in learning and applying scientific methods to practice thinking skills and construct science concepts. [www.glencoe.com](http://www.glencoe.com) is an excellent resource for additional student activities and support.

### 10. Glencoe - Life Science (Grades 6-8)

This curriculum is aligned with National Science Education Standards. A teacher's guide, student book, assessments, and enrichment activities are provided. MiniLABs and Activities involve students in learning and applying scientific methods to practice thinking skills and construct science concepts. [www.glencoe.com](http://www.glencoe.com) is an excellent resource for additional student activities and support.

### 11. Glencoe - Physical Science (Grades 6-8)

This curriculum is aligned with National Science Education Standards. A teacher's guide, student book, assessments, and enrichment activities are provided. MiniLABs and Activities involve students in learning and applying scientific methods to practice thinking skills and construct science concepts. [www.glencoe.com](http://www.glencoe.com) is an excellent resource for additional student activities and support.

### 12. Glencoe - Biology: The Dynamics of Life (Grades 9-12)

Biology: The Dynamics of Life is a comprehensive high school biology program designed to capture the interest of all students. The text uses analogies, models, and hundreds of illustrations to help students more easily comprehend major biological concepts. The engaging narrative and special feature essays continually reveal to students the connection between biology and everyday life, technology, societal issues, and other areas of the curriculum. Each chapter offers numerous opportunities for hands-on experiences that engage students in using scientific methods and in developing critical thinking skills; [www.glencoe.com](http://www.glencoe.com) is an excellent resource for additional student activities and support.

### 13. Glencoe - Chemistry: Matter and Change (Grades 9-12)

Glencoe's *Chemistry: Matter and Change* offers thought-provoking hands-on labs, an array of assessment options, fun-to-use technology, and a strong emphasis on math skills development; [www.glencoe.com](http://www.glencoe.com) is an excellent resource for additional student activities and support.

### 14. Glencoe - Physics: Principles and Problems (Grades 9-12)

Learn physics by doing physics... From problem-solving models to hands-on labs to a broad array of integrated technology, this comprehensive program offers all the tools you need to make physics accessible and *successful for your students*, [www.glencoe.com](http://www.glencoe.com) is an excellent resource for additional student activities and support.

### 15. Glencoe – Physical Science (Grades 9-12)

This textbook integrates accurate and comprehensive coverage of physics and chemistry with mathematics through accessible text, engaging features, and a variety of hands-on experiences. The critical-thinking opportunities, real-world applications, and technology resources lead students to a deeper understanding of physical science, while building science process skills.

### 16. Glencoe – Physical Science (Grades 9-12)

This textbook provides students with accurate and comprehensive content coverage of physical science integrated with Earth science. By integrating Earth and space science concepts within each unit, students can explore the physics and chemistry in greater depth by learning how those concepts apply to Earth and space systems.

### 17. Steck-Vaughn Connections Science (High School)

Give low-level readers struggling in content areas a second chance. Written at reading levels 5-8, this series offers subject-specific titles in all content areas. Designed for independent use, *Connections* is truly a self-directed program. With its low reading level and straightforward directions, learners measure their own progress with pretests and posttests. Interpretive correlation charts direct learners to the precise pages for remedial instruction.

### 18. Scott Foresman Science (Grades 1-6)

This standards-based science curriculum includes a teacher's guide, student book, and lab manual. The student books are organized into four units - Life, Physical, Earth, and Human Body sciences. Each unit contains a balance between important science content students need and leveled hands-on activities that support every lesson. The lab manual includes resources students' need to record observations, predictions, and results for every hands-on activity and helps promote data collection techniques.

### 19. Addison-Wesley: Environmental Science, Ecology, and the Human Impact (High School)

Written by three science and education professionals: Leonard Bernstein, Alan Winkler and Linda Zierdt-Warshaw. This text will provide the essential concepts, definitions, information and data for a course on Environmental Sciences. It combines ideas and principles from the physical sciences such as biology, chemistry, physics, geology and geography, with those of social sciences: sociology, psychology, economics politics and ethics. The understanding of how all of these subjects relate to each other is essential, although being fluent in all of these subjects to understand how the world works isn't necessary.

Spanish instruction – Descubrimiento: Ciencia Integrada (Discovery: Science Integrated; 1 – 5)

This is a science text in Spanish that explores science through fun activities such as crossword puzzles, observation and experimentation, and word searches.