# SCIENCE MATERIALS for Elementary Grades



Hands-On Discovery



# **Games and Activities**







(800) 778-4456 • Fax (800) 537-5403 LakeshoreLearning.com

# **Science Materials for Elementary Grades**

Created to make product selection as easy as possible, this catalog features a broad assortment of science materials handpicked by expert educators. From interactive software to hands-on discovery kits, each item is designed to captivate student interest and help them meet key science objectives. Plus, Lakeshore's science materials support a variety of different teaching strategies—making them ideal for students of all skill levels and abilities.



- Standards-based science materials for grades 1–6
- Targeting core topics in earth, space, life and physical science
- Making tough science concepts easy to teach...and fun to learn





# Secrets of Science Interactive Games CD-ROM Library

**GR. 1-3** Children explore key science concepts...as they sail to the polar ice cap, race through the solar system and create the perfect potion! Our CD-ROM library includes 3 interactive adventure games, each with fun animation that provides instant feedback...plus lots of realistic sound effects to keep students super-engaged! You get all 3 CD-ROMs shown below, each covering a different science topic. For Mac/Win.

### Grade Level 1 2 3

HH835X \$39.95

- Targets standards in these areas:
- Animals & their environments
- Properties of solids, liquids & gases
  The solar system

**GR. 4-6** Students race around the globe, through a circuit board and past predators in the jungle—as they play challenging games that explore essential science topics! Our CD-ROMs feature all the fun of traditional board games—only with engaging animation, realistic sound effects, and pop-up bonuses and hazards to grab students' attention! Library includes all 3 CD-ROMs shown below, each targeting a different skill area. For Mac/Win.

### Grade Level 4 5 6

HH845X \$39.95

- Targets standards in these areas: • Earth's features and
- relationship to the solar systemEnergy & motionThe food chain
- Energy & motion The food chain

Downloadable versions available online! Visit lakeshorelearning.com.

## Grades 1-3



HH836 - Out of This World Game CD-ROM Students explore earth and space science in a race through space...but they have to avoid comets & black holes in order to reach the edge of the solar system!

### HH837 - What's the Matter? Game CD-ROM A laboratory

14.95

where students explore physical science concepts! To discover the perfect potion, they have to identify solids, liquids & gases correctly! **14.95** 

### HH838 • Habitat Challenge Game CD-ROM Players

explore animals and their habitats in a race around the islands but to be the first ship to the polar ice cap, they'll have to steer clear of sharks and giant icebergs! **14.95** 

# Technology





### HH846 = Adventure Earth Game CD-ROM

Players explore weather, biomes, landforms and more as they travel from glaciers to volcanoes in search of hidden treasure! **14.95** 



### HH847 ■ Power Surge Game CD-ROM Students boost their

lents boost their knowledge of physical science... as they race around a circuit board exploring electricity, magnetism, energy and machines! **14.95** 

### HH848 • King of the Jungle Game CD-ROM

Children explore animal adaptations, plants, the human body & more—in a wild race to become the king of the jungle! **14.95** 



# Technology











### CD231 ■ The Human Skeleton CD-ROM

Our interactive CD-ROM explores the structure & purpose of the human skeleton...and features a fast-paced quiz game that helps students identify each bone! **12.95** 

### CD232 • The Water Cycle CD-ROM

Clear, concise narration guides students through the water cycle step by step...as moving graphics model the entire process—from evaporation to condensation! **12.95** 

### CD233 Classification

of Animals CD-ROM Students learn to identify and classify vertebrates and invertebrates...then play a fast-paced sorting game to practice classifying animals on their own! **12.95** 

### CD244 = Forces

**CD-ROM** Introduce students to important physical science concepts... with animated graphics that show how force causes objects to speed up, slow down & change direction! **12.95** 

# Interactive Science Activities CD-ROM Library

Explore science concepts with the whole class...with skill-building activities designed for your interactive whiteboard! Each of our CD-ROMs targets a different concept with a full-color, interactive chart—and they're loaded with extras like moving graphics, optional narration, fun-filled games & more...so even reluctant learners stay engaged! There's even a printable worksheet that corresponds to the chart—plus a quiz mode for reinforcing what students have learned. The complete library includes the 8 CD-ROMs shown below. For Mac/Win.

# Grade Level 3 4 5 6 CD230X \$99.00

CD-ROMs work with most interactive whiteboard systems & classroom computers.



### Targets standards in these areas:

Life science
 Earth science

Space science
 Physical science

- Scientific classification
- The scientific method









### **CD235 - Rocks CD-ROM** Students become familiar with

igneous, sedimentary & metamorphic rocks as high-interest narration guides them through the rock cycle and animated graphics bring a volcanic eruption to life! **12.95** 

### CD236 - Scientific Inquiry CD-ROM

Covers the entire scientific process—from planning an experiment and conducting the investigation to analyzing the results. There are even in-depth examples to ensure comprehension! **12.95** 

### CD237 - Solids, Liquids, Gases CD-ROM

Graphics & everyday examples provide an easy introduction to the three states of matter...while a sorting game challenges students to identify solids, liquids & gases before time runs out! **12.95** 

### CD238 = The Solar System CD-ROM

Students explore the features of the 8 major planets & Pluto...with tons of incredible facts about each one—even a map of the solar system! **12.95** 

# Nonfiction Science Leveled Readers Interactive CD-ROM Library



Our interactive nonfiction readers let the whole class build literacy skills together—as students explore key science topics! Our set includes the 12 CD-ROMs shown, each with a science-based e-book, plus corresponding activities to boost comprehension. Students can follow along with the leveled text as the program highlights each word & reads it aloud, then complete the on-screen activities to put newly learned skills into practice! The discs even include interactive tools to underline words, highlight sentences & more! For Mac/Win.

Grade Level K 1 EG282 \$149.00



- Targets standards in these areas:
- Plants and animals
- Magnetism
- Weather
- Reading comprehension
- Vocabulary development
- Grammar
- Fluency





# Hands-On Discovery

# Learning Science Activity Tubs - Gr. 1-3

▲ CHOKING HAZARD (1,2,3). Not for under 3 yrs. (4). Not for under 8 yrs.\* From exciting experiments to high-interest writing projects, our tubs have everything you need to investigate 8 important science concepts! Each tub includes 40 cards with engaging, standards-based activities covering 5 core curriculum areas—from math & language to science & social studies. Plus, you get tons of ready-to-use materials for exploring concepts in depth, including science tools, write & wipe experiment posters, vocabulary cards & more! Set of all 8 tubs.

### Grade Level 1 2 3

FF980X \$469.00

### **LEARNING SCIENCE LIBRARIES - GR. 1-3**

Perfectly coordinated to the tubs above, our libraries help students investigate topics even further...as they take a tour of the solar system, solve an exciting science mystery and more! Each paperback library features 5 accessible books that make concepts easy to grasp including both fiction & nonfiction titles. You get all 8 libraries.

> Matter Solid. Liquid. Gas Activities

# Grade Level 1 2 3

**Rocks & Soil Library** 

Writing prompt cards encourage further development of language skills.

You get 40 skill-building activity cards for each tub—all organized into 5 core areas.

Animals Library

Word card reference rings define essential scientific terms and vocabulary.

Matter

L Bapartmant Chart

have we st.

Procedure

Ballan Reports

weight?

Question Does

ediction We thin

Force & Motion Library



Reusable write & wipe

charts enhance the activities and lessons.

A THE KWL Chard

Everyday Matter

Comprehensive teacher's

reproducibles that are ideal

for informal assessment.

guides include student

Back Ch



Animals BEARS or THE BRAIN Weit Do Ameri Consequences Weit Do Ameri Do Mana Do



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www.lakeshorelearning.com

# Hands-On Discovery

# Learning Science Activity Tubs - Gr. 4-6

Students conduct lots of fascinating experiments—and explore the scientific process in action! Our tubs each include 8 experiment cards with involving activities based on national science standards. Plus, you get tons of materials to complete each experiment & explore concepts in depth—from microscopes, pulleys and 3-D models to fun flip books, vocabulary cards & full-color charts that make key concepts easy to grasp! 8 tubs; each includes a guide with reproducibles, extension ideas & more.

### Grade Level 4 5 6 DD350X \$469.00

### **LEARNING SCIENCE LIBRARIES - GR. 4-6**

Students explore essential science concepts even further—with involving book libraries coordinated to our tubs above! Each library listed below includes 5 paperback books that reinforce & expand on the themes presented in our activity tubs...with wonderfully illustrated, high-interest titles that make concepts supereasy to grasp. You get all 8 libraries.

### Grade Level 4 5 6 EE410X \$319.00

Targets standards in these areas:

- Force & motion
   Anatomy
- Earth science

Chemistry

- The solar system Physical science
  - Properties of matter

• Life science



Real science tools and equipment provide hands-on experiences to reinforce students' knowledge.





Matter Library

Simple Machines Library

### Force & Motion Library









Brain Human Body The HEART

Human Body

Properties of Earth Library



# Hands-On Discovery

# Science Tools **Supply Center**

▲ CHOKING HAZARD (1). Not for under 3 vrs.\* Give students the tools they need to gather facts, observe specimens & make handson discoveries...with top-quality science supplies that will stand up to years of classroom use! Our center comes with 12 each of the 9 tools shown at right-for a total of over 100 pieces—all in a sturdy chest with labeled compartments that keep supplies organized and easy to reach. Chest is 18 1/2" wide.

Grade Level 1 2 3 4 5 6 EE759 \$219.00

Targets standards in these areas:

- Conducting experiments
- Making measurements
- Making quantitative observations
- Using a variety of tools to collect and analyze information

# **Science Discovery Boxes -Complete Set**



▲ CHOKING HAZARD (1). Not for under 3 yrs.\* Students discover how fossils are formed, learn why plants grow toward light and more...as they complete super-engaging experiments that explore life, earth & physical science! Each box comes loaded with a variety of top-quality science supplies-from real insect & spider specimens to a vinyl greenhouse, thermometers, a tray for making realistic "fossils" and much more. Students just pick an activity card, grab the materials they need... then follow the simple instructions to complete each experiment! All 3 boxes, each with 6 experiments and a guide with reproducibles. Boxes are 11<sup>1</sup>/<sub>4</sub>" wide.

Earth Science

Grade Level 1 2 FF880X \$169.00

ysical Science Discovery Box

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- Targets standards in these areas:
- Life science
- Physical science Conducting experiments
- Analyzing & comparing data
- Earth science
  - @Lakeshore

# Reduce, Reuse & Recycle Activity Kit

Our all-in-one activity kit gives students the real-life experience they need to reduce, reuse & recycle! The kit features 6 hands-on projects and tons of materials to complete each one—from experiment trays & a life cycle wheel to biodegradability containers & a papermaking deckle. Students just follow simple, step-by-step instructions to make their own recycled paper, test environmentally safe cleaners & morel Plus, you get a 16-page guide that includes exciting extension activities—all designed to help students build environmental awareness.

### Grade Level 2 3 4 5 6 FF819 \$59.95

- Targets standards in these areas:
- Understanding nonrenewable materials
- Conserving natural resources







# Real-Life Science Specimens -Complete Set

REUSA

REDUCE



Targets standards in these areas:

- Stages in the life cycle
- Classifying species
- Comparing/contrasting features of living organisms

Safe, authentic & *completely* unbreakable, our classroom specimens put living things right at students' fingertips! Each set includes 4 specimens that are permanently encased in indestructible acrylic—all with handy labels right inside, so students can easily identify the parts of a plant, the stages of a frog's life cycle and more. You get all 4 sets listed below (total of 16 specimens); each set comes complete with a teacher's guide. Octopus specimen is 3" x 3".

Conducting experiments

Grade Level 1 2 3 4 5 DD900X = Complete Set \$179.00

DD904 = Life Cycle of a Frog Set DD903 = Parts of a Plant Set

- \$49.95DD901 = Sea Life Set\$49.95DD902 = Insects & Spiders Set
- \$49.95 \$49.95

# Lakeshore Magnet Lab

 $\triangle$  CHOKING HAZARD (1). Not for under 3 yrs.\* Our ready-to-use lab has everything students need to explore magnetism—hands on! You get easy-to-follow activity cards with 14 skill-building science investigations...plus all the materials students need for unlimited exploration & discovery—including magnetic wands, compasses, electromagnets and more. 4 "AA" batteries not included.

Grade Level 1 2 3 4 5 6

FF528 \$69.95

- Targets standards in these areas:
- Properties of magnetsMaking observations
  - ns Using a compass



### www.lakeshorelearning.com

# **Games and Activities**

# Science Quiz Game Show - Gr. 1-3

As students play this fun-filled game, they test their science knowledge & learn amazing new facts! Played like "Jeopardy," our game quizzes students on 15 science topics—with 14 engaging questions for each category. You get a total of 245 game cards—including 35 point & category cards—plus a big, 28½" x 36½" chart that gets the whole class involved.

### Grade Level 1 2 3 RR287 \$49.95

### Targets standards in these areas:

- Animal classifications
- Functions & systems of living organisms
- Human body
- Habitats & regions of Earth
- The solar system



# Extra Science Quiz Cards - Gr. 1-3

Perfect for use with our science quiz game above...or for independent practice anytime! You get 177 new, self-checking quiz cards in the same 15 key categories, plus 35 extra point and category cards.

Grade Level 1 2 3 RR272 \$29.95

# Extra Science Quiz Cards - Gr. 4-6

Over 175 all-new quiz questions in the same 11 skill-building categories as our *Science Quiz Game Show*—perfect for extending the game...or for extra science practice anytime! With more than 40 extra point & category cards.

Grade Level 4 5 6 RR318 \$29.95









# **Science Quiz Game** Show - Gr. 4-6

Played just like a TV game show, our fun quiz game helps students master key science concepts...as they play! The game features over 200 questions in 11 different categories-from electricity and magnets to animal species-with answers on back of each game card for instant reinforcement. Nylon chart is 281/2" x 361/2"; with 35 point and category cards.

### Grade Level 4 5 6 **RR317** \$49.95

### Targets standards in these areas:

- The solar system
- · Plants & animals and their habitats Earth processes
- · Features of living & nonliving things
- · Properties of matter

# **Elementary Science Instant Learning Centers - Complete Set**

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CLOTH N

LINTLE

STEEL

200 200 20

Complete set includes 8 ready-to-use centers!

Targets standards in these areas:

Properties of matter

Space science

· Earth science

Characteristics of living things
 Simple machines

▲ CHOKING HAZARD (1). Not for under 3 yrs.\* Students master science concepts hands on-with ready-to-use learning centers that set up in a snap! Each center comes with everything you need for up to 4 students at once, including step-by-step, illustrated instructions that make it easy for children to work independently. Just set out the materials & the double-sided instruction chart...and students work at their own pace to identify parts of an insect, sequence the water cycle, explore the solar system & more! All 8 centers, each with a guide, a write & wipe assessment card and an answer key.



Centers have enough materials for up to 4 students at once!

# Games and Activities

# Secrets of Science Games Library - Gr. 1-3

▲ CHOKING HAZARD (1). Not for under 3 yrs.\* Get students excited about science—with skillbuilding games they'll want to play again and again! Each game includes over 40 question cards that let children explore a specific science category...plus a fun secret decoder that reveals the answers. 3 games below, plus a 19½" metal rack.

### Grade Level 1 2 3 GG330 = Complete Set \$69.95



 GG331 • Habitat Challenge: Life Science Game
 \$24.95

 GG332 • What's the Matter?: Physical Science Game
 \$24.95

 GG333 • Out of This World: Earth & Space Science Game
 \$24.95

 HH835X • Secrets of Science Interactive Games CD-ROM Library - Gr. 1-3 For complete details, please see page 3.
 \$39.95

 Downloadable versions also available online! Visit lakeshorelearning.com.
 \$24.95

Targets standards in these areas: • The solar system
• Animals & their environments
• Properties of solids, liquids & gases

# **True or False? Science Centers**



Can elephants hear with their feet? Do some plants eat meat? Students find out with our super-engaging science centers! Each freestanding center features 24 photographs with corresponding true/false statements...plus 40 wet-erase true/false name cards. Students just write their names on the cards, then guess whether a statement is true or false by placing the cards into the chart. When students are done, just flip the photo over to reveal the correct answer—and read a fact-filled passage about the topic! Centers are 8 ½" x 12".

Grade Level 2 3 4 5 HH645 = Gr. 2-3 \$29.95	HH646 = Gr. 4-5	\$29.95		
			Targets standards in these areas: • Space science • Life science	•



**Gr. 4-6** For complete details, please see page 3. **\$39.95** Downloadable versions also available online! Visit lakeshorelearning.com. Targets standards in these areas: • The food chain • Earth's features & relationship to the solar system • Energy & motion

# **Step-By-Step Scientific Method Experiment Kit**



Reinforcing the scientific method is a breeze with our step-by-step experiment kit! Children follow the instructions on the experiment cards to complete 20 level-appropriate activities-from investigating seat belt safety and experimenting with insulating materials to exploring how skin protects people from infection. Plus, students can record each step of the process on the included write & wipe cards, then slide the cards onto the freestanding display board to share the results with their classmates! Perfect for class lessons, science fair projects & more, our kit includes 20 double-sided experiment cards, 7 write & wipe cards and a 13" x 31<sup>3</sup>/<sub>4</sub>" display board.



Targets standards in these areas:

Applying the scientific method

- Conducting experiments
- Analyzing & comparing data

### **Integrating Science with Reading** Includes 30 passages in 6 key categories! Let's Learn Science! Comprehension Let's Learn Science! Center - Gr. 1-3 COMPREHENSION CENTER Students learn why chameleons change Question Cords color, why the sky is blue & more... building science knowledge and comprehension skills at the same time! Why Do Chameleons Change Color? Our 17"w x 6"d x 12"h center is designed to reinforce national science 20 standards...with 30 reading passages, plus 30 corresponding, self-checking question cards. Just place a passage into the clear-view pocket for students 2 d. . . to read, then use the question cards to 177 test what they've learned! Grade Level 1 2 3 FF926 \$39.95 Targets standards in these areas: · Animals & their habitats · Earth processes Force & motion Human body in their the second where the Magnetism How Are Rainbows Made? A 10 10 10 10 10 ..... NA

# Learning Science Vocabulary Pocket Chart Kits - Gr. 1-3

Reinforce important science vocabulary...with our easy-to-use pocket chart kits! From plants, animals and weather to rocks, minerals and more, our kits each feature 20 vocabulary words that represent key ideas within a specific science topic. We've also included 20 corresponding definition cards with level-appropriate text & helpful illustrations...so they're perfect for whole-class science lessons, small-group exploration or even as an independent matching activity! Cards are 3" high. Set includes all 5 kits. *Chart sold separately.* 

### Grade Level 1 2 3 HH100X \$49.95

# Weather With 20 word cards & 20 illustrated definition cards! Image: Contract of the second secon



Targets standards in these areas: • Understanding key science concepts • Building scientific vocabulary



# Let's Learn Science! Comprehension Center - Gr. 4-6

What are Satum's rings made of? Can plants really eat meat? Our fact-filled activity cards help students explore challenging science concepts...and build comprehension skills along the way! The freestanding center has 30 level-appropriate reading passages that you can display in the clear-view pocket on front, plus 30 standards-based, self-checking question cards that review & reinforce what students have read. 17"w x 6"d x 12"h.

### Grade Level 4 5 6 FF927 \$39.95

Targets standards in these areas:

- Electricity
- Earth processes
- Plants & animals
- Body systems & functions
- Matter & energy



# Learning Science Vocabulary Pocket Chart Kits - Gr. 3-6



# **Integrating Science with Reading**

# Multilevel Nonfiction Book Sets

Our innovative book sets make it easy to build comprehension skills—even when students are reading at different levels! Each set covers the same topic at 3 grade-appropriate reading levels—with varied sentence lengths & vocabulary, but identical content—so students can build skills at just the right pace. Plus, we've included 4 color-coded copies of each book, so they're ideal for partner reading, small groups or individual practice. Each 12-book set also includes assessment cards to track students' progress... and a helpful guide with differentiated instruction strategies.

- Targets standards in these areas:
- Reading for meaning
- Reading comprehension
- Analyzing text
- Features of informational texts
- Vocabulary development



# Grades 1-2 Book Sets

Super-engaging book sets created especially for 1st and 2nd grade students! Explore weather concepts and the world of plant and animal life cycles. Each set includes 4 copies each of 3 different levels.

Weather

Grades

Grade Level	1	2			
DD864 • Weather					
DD861 = Life (	Cyc	les			

\$34.95 \$34.95



Each book is written at 3 different levels all appropriate for 1st and 2nd grade students.





18

# Grades 3-4 Book Sets

Intermediate readers explore animal habitats, volcanoes & more—at just the right pace! Each book set has 4 copies each of 3 different levels.

### Grade Level 34

DD867 • Amazing Plants and Animals \$34.95 DD868 • The Earth Beneath Our Feet \$34.95





3 different levels for each title—all written especially for 3rd and 4th grade students.





*3 levels progress in difficulty, so 5th and 6th grade students can read the text that's right for them.* 



# **Grades 5-6 Book Sets**

Advancing readers discover amazing facts about the solar system, natural disasters & more...at a level that's right for them! Each set includes 4 copies each of 3 different levels.

### Grade Level 5 6 DD874 = Space \$3 DD878 = Nature's Eury \$3



\$34.95 \$34.95



# What can Lakeshore do for you? You name it!

# **Exclusive Products**

We offer thousands of exclusive products, many of them created right here by our on-site product developers. The products are all classroom-tested and designed specifically to meet the needs of teachers <u>and</u> children.

# **Customized Learning Solutions**

We offer customized learning solutions for preschool through elementary grades and beyond! Whether you want to customize items for a specific program or create specialized materials that support your entire curriculum, we can supply exactly what you need!

# Value Pricing

We're committed to bringing you affordable learning materials at everyday low prices...without compromising our high standards of quality.

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Pick any product...we guarantee it will be in stock for immediate delivery at least 99% of the time. Talk about service! Your order will be on its way to you within two business days from the time we receive it.

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We work hard to keep you 100% happy by handling situations <u>before</u> they become problems. If anything we send is damaged, lost or left out of your order, we'll replace it immediately. Just note any inconsistencies on the freight bill prior to signing. We unconditionally guarantee every item! Call us at (800) 428-4414, Mon.-Fri., 6 a.m. to 6 p.m., PST.

# **Great Online Resources**

Our convenient website features classroom planners, product correlations, special offers and our Classroom Designer...a Lakeshore exclusive!

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"We unconditionally guarantee every item. We stake our reputation on the quality of our products. If you are unhappy with any item for any reason, return it to us for a full refund or exchange. Your satisfaction is our number one priority! If you ever have questions or concerns, simply call Customer Service at (800) 428-4414."

—Bo Kaplan, President



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