



SCIENCE





Enhance Your Classroom with Discovery Education Science

Produced by a content source you can trust, Discovery Education Science is the supplemental multimedia toolkit that shows you what students know so you can better target your instruction. It delivers dynamic, up-to-date, high-quality content in a flexible online format that will bring your curriculum to life and powerfully engage today's technology-savvy students with science.

Engage Students with Extraordinary Resources

Organized for easy integration in your elementary and middle-school curricula, Discovery Education Science is divided into three areas –

Physical Science, Life Science,
and **Earth and Space Science.**

Top-quality Discovery Education multimedia instructional resources are then further subdivided so you can quickly find the topic you are teaching now. Our simple, dynamic content helps you enhance your classroom experience.



Extraordinary Resources for Middle School

Discovery Education Science's instructional resources for Middle School are presented three ways – **Interact**, **Watch**, and **Read**.



Interact

Within each concept, educators and students will find extraordinary resources designed to encourage exploration, stimulate critical thinking, and deepen understanding. Three flexible components integrate easily with your curriculum:

- > Interactive Video lets students click on “hotspots” to explore concepts in-depth.
- > Integrated Science Simulations (ISSs) from Discovery Education’s award-winning CD-ROM collection open the door for students to explore real-world situations from a variety of science perspectives.
- > Explorations allow students to explore a concept and gain a greater understanding of how models work and how different inputs affect an outcome.

- > **Build an Atom** lets students choose the number of protons, neutrons, and electrons to create their own model.



Educators can choose the mode that best relates to their teaching objectives and students' individual learning styles.



Watch

Discover a comprehensive collection of full-length videos and segmented video clips to communicate with visual and auditory learners. Most videos are exclusive to Discovery Education Science.

Discovery Education Science transforms video into a multi-path learning experience, much like Discovery Education *streaming*, the video-on-demand service reaching more than 1 million educators.



Read

Access the quality, targeted readings you are seeking for your students. Clearly written articles in printable PDF format support key concepts and enhance reading proficiency:

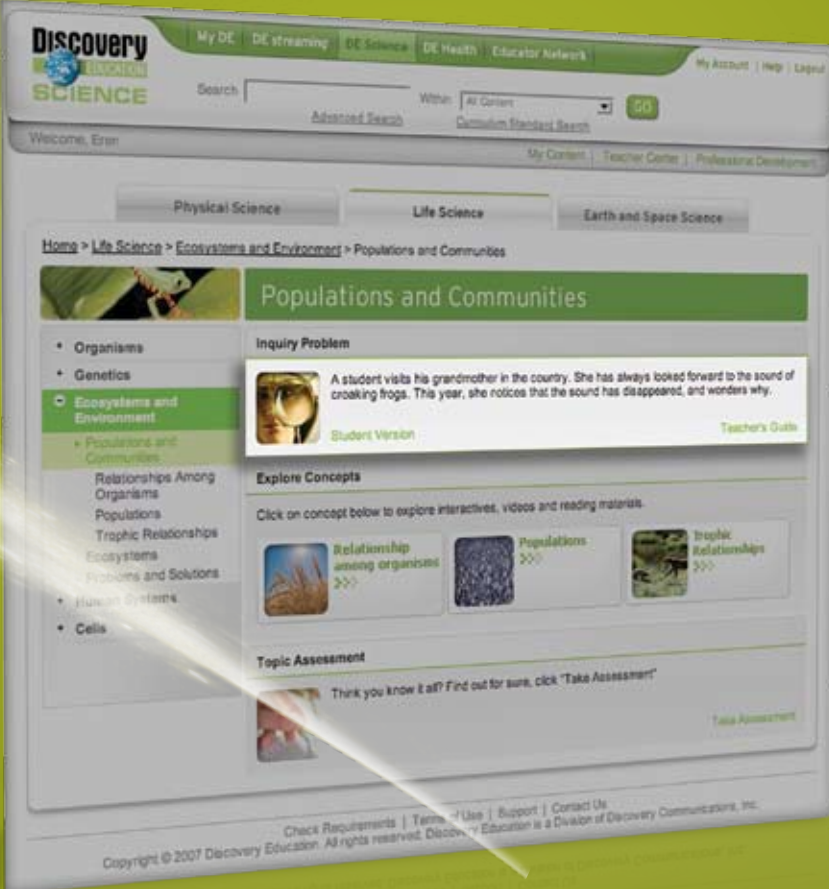
- > Engaging, informative selections from WRC Media's award-winning libraries feature on-level, above-level, and below-level reading passages to support a range of student reading proficiencies.
- > Passages from the Discovery Education book series offer highly visual and dynamic reading.



Extraordinary Resources for Middle School

Inquiry-Based Learning Keeps Their Attention

Today's science learners want immediate interactivity with the learning material they encounter. That's why Discovery Education Science focuses their attention on something to do right away. Each topic contains an Inquiry Problem that educators can use to engage students with the resources on that topic, then challenge them to find a solution.



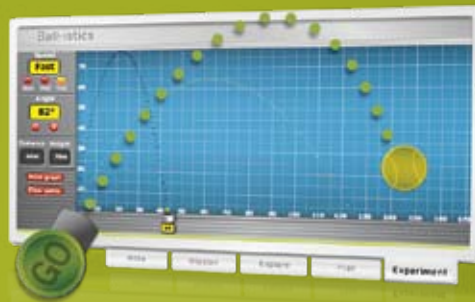
The screenshot displays the Discovery Education Science website. At the top, there is a navigation bar with links for 'My DE', 'DE streaming', 'DE Science', 'DE Health', and 'Educator Network'. A search bar is located in the center, and a 'GO' button is on the right. Below the navigation bar, there are tabs for 'Physical Science', 'Life Science', and 'Earth and Space Science'. The 'Life Science' tab is selected, and the page is displaying a lesson titled 'Populations and Communities'. The lesson includes an 'Inquiry Problem' section with a video thumbnail and a text description: 'A student visits his grandmother in the country. She has always looked forward to the sound of croaking frogs. This year, she notices that the sound has disappeared, and wonders why.' Below this, there is an 'Explore Concepts' section with three interactive tiles: 'Relationship among organisms', 'Populations', and 'Trophic Relationships'. At the bottom, there is a 'Topic Assessment' section with a 'Take Assessment' button. The footer contains copyright information: 'Copyright © 2007 Discovery Education. All rights reserved. Discovery Education is a Division of Discovery Communications, Inc.'

Tools to Understand the Scientific Process

The Process Skills Library contains resources that build the inquiry skills students need in order to successfully engage in scientific methodology.

VIRTUAL LABS

Let students practice science inquiry by investigating a problem, creating a testable question, and conducting a virtual experiment.



SCIENCE SLEUTHS

Engage students in real-world challenges in which they become science detectives.

Extraordinary Resources for Elementary School

Reinforce Literacy and Mathematics Skills

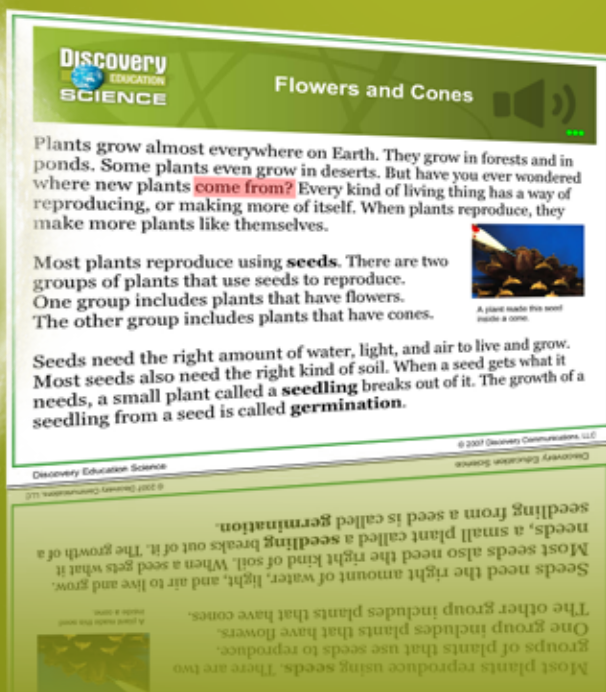
Discovery Education Science for Elementary lets educators engage young minds while reinforcing important literacy and mathematics skills. Through inquiry-based learning, these dynamic classroom tools captivate students in their online, entertaining, never-a-dull-moment world.

e-Books and Reading Passages

Provide students leveled informational science text and reading passages specific to standard content areas. To help students even further, it also comes with audio support so students can listen to the text as they read it.

Interactive Glossary

An interactive glossary provides vibrant and engaging explanations of hundreds of scientific terms via animations, videos, images and more. By making it fun, students learn not just the words but their meaning as well.



Discovery EDUCATION SCIENCE

My DE | DE streaming | DE Science | DE Health | Educator Network

Search: Within:

Welcome, Eren

My Content | Teacher Center | Professional Development

Earth Science

- Earth's Features
- Earth History
- Weather and Climate
- Earth's Natural Resources
- The Earth, Sun, and Moon System
- Space: Our Solar System and Beyond

Life Science

- Plants
- Animals
- Cells
- Human Body
- Living Things
- Organisms and Environment
- Ecosystems

Physical Science

- Matter
- Changing Matter
- About Energy
- Sound, Heat and Light
- Electricity and Magnetism
- Forces and Motion

Terms of Use | Support | Contact Us
© 2008 Discovery Education. All rights reserved.
Division of Discovery Communications, LLC.

Extraordinary Resources for Elementary School

Learn, Explore, Demonstrate and Extend Knowledge

Discovery Education Science for Elementary takes students beyond theory to the more engaging world of practical demonstrations and investigation.

Learn

Scientific concepts are introduced through leveled reading passages, e-books, Fun-Damentals and engaging video segments. Addressing multiple learning styles, these resources also support literacy instruction across the curriculum. For example, students have the choice of listening to reading passages while looking at highlighted text within the same passage.

Explore

Virtual Labs and Explorations allow students to practice science like real scientists. Through investigation, students learn to interpret data, draw conclusions supported by this data and practice important math skills. This allows them to make and challenge hypotheses, see what happens when they change variables and discover the underlying science of their surrounding world.



Demonstrate

Discovery Education Science for Elementary allows students to demonstrate understanding in two ways: They can show acquired knowledge through online selected response assessments. This allows educators to quickly identify each student's progress. Alternatively, teachers can print a Brief Constructed Response (BCR) for students to complete, which include teacher scoring tools.



Extend

Discovery Education Science resources empower educators to encourage additional learning by enabling students to access middle-school level resources on particular topics. They also let students realize the connections between concepts by exploring the ways they relate to each other.

Spend Less Time Planning, More Time Teaching

Centralized Content Source

Having all your easy-to-use supplemental science-teaching tools in one toolkit increases efficiency, saving you time.

Multiple Search Options

Discovery Education Science's robust search capabilities help you quickly locate just the content you need so you can spend less time looking and more time teaching. Search multiple resources at once by keyword or media type, or even search by curriculum standards.

> Search by Curriculum Standards

Content is cross-referenced to teaching standards for all states and provinces. Discovery Education Science also includes differentiated "Multiple Documents" for states that have them, broadening your options.

Discovery
EDUCATION
SCIENCE


My DE | DE Streaming | DE Science | DE Health | Educator Network | My Account | Help | Logout

Search With: All Content
Advanced Search | Curriculum Standard Search

Welcome, Erin | My Content | Teacher Center | Professional Development

Home > Curriculum Standards

State/Province:
Documents:
Grade:
Copyright:



- + SC.A - The Nature of Matter
- SC.B - Energy
 - + SC.B.1 - The student recognizes that energy may be changed in form with varying efficiency.
 - + SC.B.2 - The student understands the interaction of matter and energy.
- SC.C - Force and Motion
 - + SC.C.1 - The student understands that types of motion may be described, measured, and predicted.
 - + SC.C.2 - The student understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted.
- SC.D - Processes that Shape the Earth
 - + SC.D.1 - The student recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth.
 - SC.D.2 - The student understands the need for protection of the natural systems on Earth.
 - [SC.D.2.2.1 - knows that using, recycling, and reducing the use of natural resources improve and protect the quality of life. \(7\)](#)
- + SC.E - Earth and Space
- + SC.F - Processes of Life
- SC.G - How Living Things Interact with Their Environment
 - + SC.G.1 - The student understands the competitive, interdependent, cyclic nature of living things in the environment.
 - SC.G.2 - The student understands the consequences of using limited natural resources.
 - [SC.G.2.2.1 - knows that all living things must compete for Earth's limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations \(traits\) to their offspring. \(4\)](#)
 - [SC.G.2.2.2 - knows that the size of a population is dependent upon the available resources within its community. \(17\)](#)
 - [SC.G.2.2.3 - understands that changes in the habitat of an organism may be beneficial or harmful. \(20\)](#)
- + SC.H - The Nature of Science

Check Requirements | Terms of Use | Support | Contact Us
Copyright © 2007 Discovery Education. All rights reserved. Discovery Education is a Division of Discovery Communications, Inc.

Improve Instruction with **Real-Time Feedback** on Students' Understanding

The online assessment tools built in to Discovery Education Science make teaching more efficient by providing timely, actionable recommendations for what students need to move forward.

Flexible

Discovery Education Science's Assessment Manager gives you many choices. It allows you to create and assign assessments by individual student or by class, and you can choose assessments at the topic level. Also, students can view their own assessment results.

Ongoing

You can quickly identify students' understanding of science concepts throughout the learning process via a pre-test, mid-point check, and/or post-test to ensure that lesson goals are achieved.

Actionable Feedback

Following each assessment, Discovery Education Science recommends highly targeted content based on incorrect answers, which helps fill in learning gaps. You then have the choice of assigning additional Discovery Education Science content to an entire class, an individual student, or a group of students.

The screenshot shows the Discovery Education Science Assessment Manager interface. At the top, there is a navigation bar with links for 'My DE', 'DE streaming', 'DE science', 'DE Health', and 'Educator Network'. A search bar is present with a 'GO' button. Below the navigation bar, there are links for 'My Account', 'Help', and 'Logout'. The main content area is titled 'Assessment Manager' and includes a breadcrumb trail: 'Home > Teacher Center > Assessment Manager'. A sub-header reads 'View Users Guide' and 'Go to the Assessment Manager Users Guide to explore all the features within this section'. The interface is divided into three main sections: 'Create', 'Assign', and 'Report & Recommend'. The 'Create' section offers options to create assessments using state standards, create a new custom assessment, or edit an existing one. The 'Assign' section allows users to assign assessments to classes or students, including Science Connection assessments. The 'Report & Recommend' section provides options to view results by student or by class. At the bottom of the page, there is a footer with links for 'Check Requirements', 'Terms of Use', 'Support', and 'Contact Us', along with a copyright notice for 2007 Discovery Education.



Sign Up for Your 30-Day Trial!

Discovery Education Science gives you the teaching confidence that comes from having the latest and best standards-based resources available to help you and your students explore science more deeply.

Students will be more engaged with science because they are learning in individualized modes. And with Discovery Education Science's assessment options, teachers will know students are learning concepts as well as process skills.

Discovery Education Science Pricing

For Elementary (Grades K-5)

> \$1,695 per building per year

For Middle School (Grades 6-8)

> \$1,995 per building per year

For Grades K-8 (Grades K-8)

> \$1,995 per building per year

Get started now!

Register for a **30-day trial** today at [DiscoveryEducation.com](https://www.discoveryeducation.com) or call your Account Representative at **800-323-9084**.

Professional Development from Discovery Education

Discovery Education Science's Professional Development provides self-paced tutorials, live online sessions, and downloadable resource materials such as Best Practice Video Segments that demonstrate the 5 E's model of inquiry-based instruction used in today's science classrooms.

DEN Educators Create Community

The Discovery Educator Network (DEN) is a global community of educators passionate about teaching with digital media, sharing resources, collaborating, and learning together.

The DEN connects dynamic, engaged teachers online and in person. In this innovative community of educators, the more you participate, the more you grow.



Community.DiscoveryEducation.com



CONNECT TO
A WORLD
OF LEARNING.



www.DiscoveryEducation.com

Discovery Education | 800-323-9084
One Discovery Place, Silver Spring, MD

Discovery Education Science is a service of Discovery Education.
Copyright © 2008 Discovery Education. All rights reserved.
Discovery Education is a division of Discovery Communications, LLC.