



**Products for every  
teaching topic:**

Structure, properties,  
and processes of Earth  
and outer space!

# The Definitive Earth & Space Science Source World-Class Products for Every Classroom

**From concepts to demonstrations:**

***We're with you all the way!***

- Wide Selection
- Superior Service
- Standards-Aligned Kits
- One-on-One Support

**ward's  
science+**

# Earth & Space Science Success:

Complete curriculum coverage with teacher-preferred products.

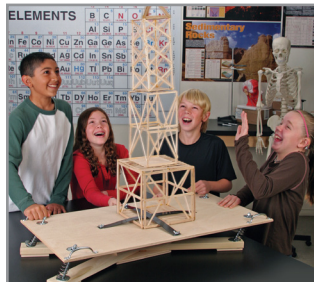
- Rock, Mineral & Fossil Specimens • Specimen Collections
- Thin Sections • Lab Activities • Field & Lab Equipment
- Models • Maps & Charts • Observation Tools



Confidently source products that reinforce lesson plans on topics ranging from paleontology and earthquakes to meteorology and the solar system. You're never alone—our team of in-house scientists and former teachers offers personalized guidance and support.



Ward's® Soil, Sands, and Gravel Set



Shake, Rattle & Roll Earthquake Board



Ready-Made or Custom Collections



Earth's Interior Globe

## Highest Quality Specimens

- Selected and cut by our geology experts for superior quality and uniformity.
- We specialize in producing our own detailed thin sections.

## Unsurpassed Specimen Variety

- Over 640 types of rock, mineral, and fossil specimens available.
- Can't find what you're looking for? Contact us at [sciencehelp@avantorsciences.com](mailto:sciencehelp@avantorsciences.com) for personalized assistance.

## Pre-Assembled & Customizable Specimen Collections

- Ready-made collections aligned with key earth science topics.
- Over 200 pre-assembled specimen collections to match popular teaching topics. Specimens are compartmented, individually numbered, and include detailed keys.
- Customize your set by selecting specific specimens and containers.



Earth & space products found here.

# Explore the Universe with Comprehensive Astronomy Resources

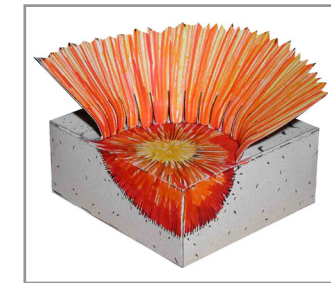
Discover hands-on activities, equipment, and models to inspire students at every grade. Curriculum-aligned to ensure stellar classroom success.



Ward's® Exploring the Red Planet: Mars Lab Activity



Maps and Guides



Geoblox Astronomy Models



Celestron Telescopes

## Essential Astronomy Resources

### Astronomy Reference Materials

- Comprehensive books, guides, and atlases covering basic to advanced astronomy.
- Field guides for star identification and night sky observation.
- Detailed star charts for classroom and field use.
- Interactive maps for understanding celestial movements.

### Lunar objects

- Meteorites and Tektites Mineral Specimens.
- Tangible, real-world examples of extraterrestrial materials enhance learning.

### Astronomy Models

- **Solar System Models:** Interactive 3-D solar system models demonstrate planetary motion.
- **Planetary and Lunar Models:** Detailed planets and moons for hands-on learning and demonstrations.
- **Star and Galaxy Models:** Illustrate star and galaxy structure to help students visualize complex astronomical concepts.

## Astronomy Equipment

### Telescopes and Binoculars

- **Telescopes and Binoculars:** High-quality optical instruments ideal for student use, with models for every grade level.
- **Observation Accessories:** Tripods, mounts, lens cleaning kits, and protective cases for optimal viewing.
- **Digital Tools:** User-friendly apps and software simplifying celestial navigation and star identification.

We offer everything for an engaging learning experience, with practical solutions and tailored resources for introductory to complex astronomy concepts and supporting lesson plans that inspire students to learn about Earth and neighboring planets.



Explore our universe of space science resources here.



# Kits that make planning easy and learning fun:

Beginner and advanced kits offer complete solutions for teaching basic concepts or deeper exploration.



Ward's® Engage Porosity and Permeability



Solar Motion Lab Activity



Ward's® Middle School Certified OER OpenSciEd™ Kits



Exploring Physical Properties of Minerals Lab Activity

## Ward's® Engage Porosity and Permeability 470346-880

In this inquiry-based learning case, students will analyze the different particle sizes that make up soils and determine their impact on drainage, saturation, and water movement through the ground, as they try to understand what is causing a new water infiltration issue at their school.

## Solar Motion Lab Activity 470012-916

Students assemble their own models to view the changing relationship of the sun to the Earth. Made of heavy paper, the models can be positioned to show their relation to one another at any given time of the year.

Save time with materials for a single lab or an entire classroom. All-in-one kits match today's teaching topics and align with NSES or NGSS standards. Check out Ward's Science exclusive activities, developed by our in-house experts and former educators.



## Ward's® Middle School OpenSciEd Kits 470352-108

We keep it simple. Our kits pair perfectly with OpenSciEd's free, downloadable curriculum. And every component has been carefully selected by our professional teachers, then evaluated and certified by OpenSciEd themselves. The end result is a premium kit, easy to use, with dependable results—at a competitive price.

## Ward's® Exploring Physical Properties of Minerals Lab Activity 470002-460

Students master investigative skills by testing mineral properties. They test hardness, color, streak, luster, specific gravity, and other characteristics. Carefully selected to ensure students can readily recognize key physical properties and achieve consistent test results.



# Shopping for Earth & Space Science Supplies Made Easy



Stream Table Kit



Ward's® Mohs' Hardness Scale Collection



Metal Sieve Set



Rock and Mineral Test Kit

## Rock, Mineral, & Fossil Specimens

- Specimens with exquisite detail and notable features suitable for classroom, research, or display.
- A range of specimen sizes to meet your needs, perfect for study and identification.
- Fossils from many geologic periods and phyletic groups support classification and other hands-on activities.

## Specimen Collections

- Over 200 pre-assembled specimen collections to match the most popular curriculum topics.
- Assembled in compartmented collection boxes with individually numbered specimens and detailed specimen keys.
- Build and customize your own collections with the widest selection of individual specimens and supplies, all in one place.
- Featuring **Ward's Geo-Logic Collections**—The most comprehensive and cost-effective curriculum solution for your classroom.

## Thin Sections

- Wide selection of thin sections available for geology education.
- Enable detailed study of structures and composition.
- Precisely cut and crafted in the U.S. in our on-site geology slides lab for the utmost quality.
- Most distinct representation of geological features and structures.

## Lab Activities

- Save time with materials for a single lab setup or entire classroom, all in one kit.
- Complete kits to match every earth science topic.
- Aligned with National Science Education Standards and/or NGSS.
- Ward's Science exclusive lab activities developed by our in-house geologists and former educators for comprehensive curriculum coverage and reliable results in your classroom.

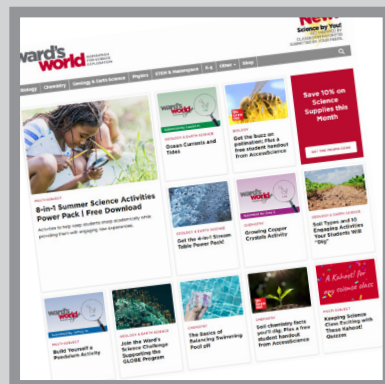
Shop the complete selection at [wardsci.com](http://wardsci.com)



Explore more kits to support all your Earth & Space Science lessons.

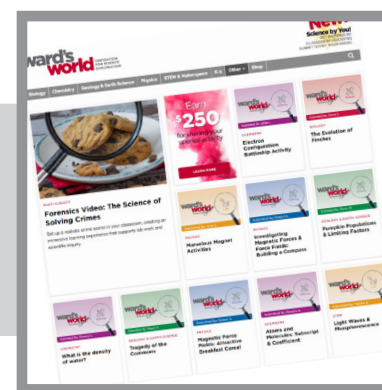
# ward's world

## Discover Exciting Earth & Space Science Resources!



**Ward's World** is your go-to resource for classroom ideas, inspiration, and **free** science information and activities. We cover every grade level and science subject, including Biology, Chemistry, Physics, Earth Science/Geology, STEM, Safety, and Makerspace. Check out [wardsworld.com](http://wardsworld.com) today!

# Ward's World Exclusive: ward's world Science by You



**Science By You:** The exclusive classroom-tested resource for unique and clever ways of teaching some of the most common teaching topics. **By teachers for teachers.**

<p><b>Activities</b></p> <p><b>Greenhouse Gases and Carbon Footprint Calculator</b></p>	<p><b>Science by You</b></p> <p><b>Ocean Currents and Tides</b></p>	<p><b>Articles from Education Partners</b></p> <p><b>Get the 4-in-1 Stream Table Power Pack!</b></p>	<p><b>Articles &amp; Activities from Ward's Experts</b></p> <p><b>Shake Things Up with Earthquake Engineering and a Free AccessScience Download</b></p>
<p><b>FREE Downloads</b></p> <p><b>Download Your FREE Poster</b></p>	<p><b>Science by You</b></p> <p><b>What is Climate Change?</b></p>	<p><b>Science by You</b></p> <p><b>Soil chemistry facts you'll dig; Plus a free student handout from AccessScience</b></p>	<p><b>Science by You</b></p> <p><b>Columnar Basalt Facts to Shape Your Lesson Plan</b></p>

### Earth & Space Science on Ward's World

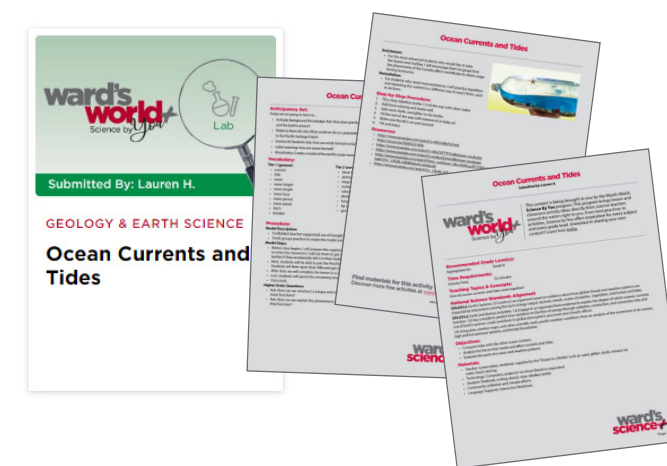
**Dedicated Earth & Space Science section filled with resources to enhance teaching.**

- Get articles, activities, and downloadable content covering a wide range of Earth & Space Science topics, from greenhouse gases and environmental management to the milky way and moon phases.
- Find innovative ideas to engage students and practical tips for equipment like telescopes, stream tables, solar ovens, landform simulators and more, making science education more interactive and inspiring.



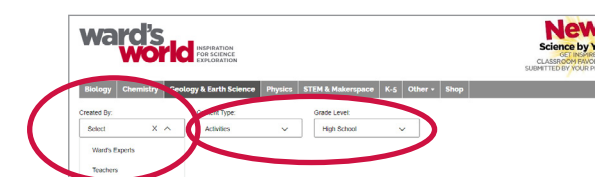
**Get fresh takes on routine topics. Think of it as your go-to library for science teaching:**

- **Engaging Activities:** Discover hands-on, jaw-dropping activities that make learning a blast.
- **Classroom-Tested Content:** Every resource on our Science-By-You platform has been tried and tested in real classrooms, ensuring that what you find is creative and effective.
- **Aligned to teachers' needs:** Content covering various teaching topics, grade levels, safety requirements, and standards, including supply lists and step-by-step procedures.



**Who is Science By You For?**

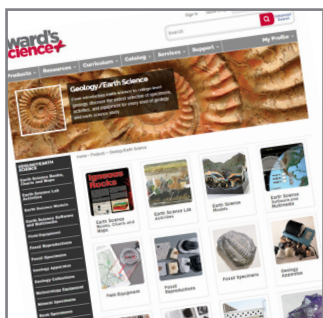
- K-12 science teachers and anyone sharing a passion for science education, learning, and cool science stuff.
- Easy filters and drop-down navigation allow users to search by subject, grade level, or resource type to find relevant content.



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## Everything for Hands-On Science Discovery:

- Every teaching topic
- Every level of study
- More options to meet your unique needs

## Superior Service

Time-saving services and solutions  
to make your life easier:

- Pre-prepped lab activities
- Easy ordering options

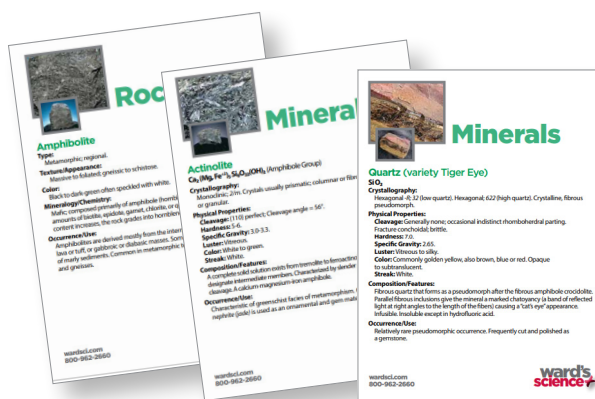
## Standards-Aligned Kits

Find just what you need:

- Meet common curriculum standards
- Easy-to-follow teacher and student guides
- Custom kitting options



Don't forget to bookmark this  
page for all your service and  
support needs.



## FREE Online Resources and Technical Support

- **Key Cards:** Access key specimen info on digital key cards with Ward's rock and mineral specimens. Scan the package QR code or browse all key cards at [wardsci.com/geokeycards](http://wardsci.com/geokeycards).



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