

# Back To School

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Summer is still sizzling, but a new school year is here. Get your brain buzzing with fresh new ideas for the coming year and take your favorite education content expert lessons, interactive games and activities back to school with you – they're designed to easily integrate into your curriculum.

## Lessons

### [Tangram Puzzles](#)

**Illustrations** | Lesson | PreK-2

Students will develop geometric understanding and spatial visualization skills.

### [A Getting-Acquainted Activity Using My Teacher's Secret Life](#)

**ReadWriteThink** | Lesson | K

Students build classroom community as they get to know each other and their teacher better by sharing what they like to do outside of school.

### [Investigating Local Ecosystems](#)

**ScienceNetLinks** | Lesson | K-2

In this lesson, students explore the habitats of local plants and animals to learn about how living things depend on one another.

### [A Touch of Class](#)

**ScienceNetLinks** | Lesson | 3-5

In this lesson, students learn that living things can be sorted into groups using various features to decide which things belong to which group.

### [All Systems Go!](#)

**ScienceNetLinks** | Lesson | 3-5

Students explore systems within the body and how they work independently and together to form a functioning human body.

### [Dust Bowl Days](#)

**EDSITEment** | Lesson | 3-5

Look back to look forward. The solution to today's problems may be found in our history.

### [Geometric Solids and Their Properties](#)

**Illustrations** | Lesson | 3-5

Students are introduced to some of the basic polyhedra and explore the shapes of the faces of these solids.

### [Gravity Launch Mobile](#)

**ScienceNetLinks** | Lesson | 3-5

In this lesson, students explore how the earth's and moon's gravity affect the path of a rocket launched into space.

### [Images of Science](#)

**ScienceNetLinks** | Collection/Lesson Plans | 3-5

Help students see science in pictures. Discuss how they see scientists and science as a career.

### [Power Up!](#)

**ScienceNetLinks** | Lesson | 3-5

Students will compare and contrast different energy sources and the trade-offs of using them.

### [Shape It Up!](#)

**ScienceNetLinks** | Lesson | 3-5

Students will understand that earth's landscape features change and always have through forces of nature such as wind, water, glaciation, and volcanism.

### [Zap!](#)

**ScienceNetLinks** | Lesson | 3-5

This lesson shows how skills can improve through practice and awareness, using a game that focuses on both visual and auditory responsiveness.

### [Building A Box](#)

**Illustrations** | Lesson | 3-8

Students use nets to develop three-dimensional visualization skills.

### [Area Formulas](#)

**Illustrations** | Lesson | 6-8

In this lesson, students develop the area formula for a triangle. Students find the area of rectangles and squares, and compare them to the areas of triangles derived from the original shape.

### [Citizen Scientists: Be a Part of Scientific Discovery from Your Own Backyard](#)

**ScienceNetLinks | Lesson | 6-8**

In this lesson, students engage in meaningful observation of the natural world that involves them in citizen science and adds to scientific understanding.

**[Make a Mission](#)****ScienceNetLinks | Lesson | 6-8**

The focus of the lesson is technology, not only how it allows humans to collect scientific data and information on a faraway terrestrial planet, but also the constraints involved in designing the spacecraft to carry this technology.

**[Nowhere to Hide](#)****ScienceNetLinks | Lesson | 6-8**

This lesson focuses on the concept of natural selection.

**[Temple Grandin](#)****ScienceNetLinks | Lesson | 6-8**

This lesson is based on a book profiling the famous animal-behavior scientist who has autism, Temple Grandin. Discuss how closely observing animals, processes, and events can lead scientists to act ethically based on identifying patterns, measuring evidence, and gathering data.

**[The Game of SKUNK](#)****Illustrations | Lesson | 6-8**

Students will practice decision-making to better understand choice versus chance.

**[Using Cubes and Isometric Drawings: Lesson 1](#)****Illustrations | Lesson | 6-8**

Students will explore using the isometric drawing tool and gain practice and experience in manipulating drawings.

**[Using Cubes and Isometric Drawings: Lesson 3](#)****Illustrations | Lesson | 6-8**

Students will explore drawing and building the front-right-top view when given a three dimensional figure built from cubes.

**[Using NBA Statistics for Box and Whisker Plots](#)****Illustrations | Lesson | 6-8**

Students will create and compare box-and-whisker plots using information from basketball statistics.

**[Barbie Bungee](#)****Illustrations | Lesson | 6-12**

Students examine linear functions and the meaning of slope.

**[Tetrahedral Kites](#)****Illustrations | Lesson | 6-12**

Students study the relationship between linear, area, and volume measures.

**[Drop me off in Harlem](#)****ARTSEEDGE | Multimedia Lesson | 9-12**

Explore the themes and works that emerged when creative voices intersected during the Harlem Renaissance. Enjoy the sights and sounds.

**[EDSITEment's Back-To-School Lesson Plans](#)****EDSITEment | Collection/Lesson Plans | 9-12**

EDSITEment's back to school offerings have been updated with their most sought-after lesson plans. Plus, many of these lessons are now further enriched with relevant articles from NEH's award-winning *Humanities* [magazine](#).

**[SCI: Skin Cancer Investigation 1: Exposing Healthy Skin to the Sun](#)****ScienceNetLinks | Lesson | 9-12**

In this lesson, students develop an understanding of the science behind keeping skin healthy..

**[SCI:Skin Cancer Investigation 2: Types, Prevention, and Detection](#)****ScienceNetLinks | Lesson | 9-12**

In this lesson, students develop an understanding of skin cancer and its different types, how it can be detected, and how it can be prevented..