

[Skip Navigation](#)**You Are Here** > [ENC Home](#) > [ENC Features](#) > [ENC Focus](#) > [By Year](#) > [Mathematics and Science in the Real World](#)**enc****ENC Features**[Search the Site](#)[More Options](#)**Subscribe Now!**

Don't lose access to ENC's web site! Beginning in August, [goENC.com](#) will showcase the best of ENC Online combined with useful new tools to save you time. Take action today-- purchase a school subscription through [goENC.com](#).

ENC Features● [Classroom Calendar](#)● [Digital Dozen](#)● [ENC Focus](#)-[By Topic](#)-[By Audience](#)-[By Year](#)-[ENC Updates](#)-[About ENC Focus](#)-[Write for ENC](#)-[Frequently Asked Questions](#)● [Lessons & Activities](#)● [Ask ENC](#)**Web Links**

Explore online lesson plans, student activities, and teacher learning tools.

Curriculum Resources

Find detailed information about thousands of materials for K-12 math and science.

Education Topics

Read articles about inquiry, equity, and other key topics for educators and parents.

Professional Development

Create your learning plan, read the standards, and find tips for getting grants.

Site Map**Help****About ENC & Our Partners**

Mathematics and Science in the Real World

By bringing the real world into their classroom, teachers motivate and interest students in the concepts they are trying to teach.

Welcome to the electronic version of the *ENC Focus* issue on the topic Mathematics and Science in the Real World.

This page provides access to the full text of all articles in the print version of the magazine. Some articles have been enhanced for this electronic version, and the list of theme articles has been organized by content rather than reflecting the layout of the print version.

This electronic version has other benefits. Live links are provided for all web sites mentioned. [Focus on the Collection](#) links to complete catalog records of resources selected from ENC's vast collection.

You will also find theme articles from this issue in the Topic area [Real World Math & Science](#). That area will grow as new content is added and links are made to related resources in other areas of ENC Online.

Update: Around the Clearinghouse and the Nation

This section features educational news, editorials, essays, classroom stories, and columns on topics of interest to classroom innovators.

ENC's Partners[Summit on Science](#)*by Steve Weaver***ENC in Action**[In on the Ground Floor: ENC Helps One School Get off to a Good Start](#)*by Bob Riddle***Using the Internet in the Classroom**[Designing a Classroom Web Page](#)

[Register with ENC](#)



[Print](#)



[Email](#)

[Privacy Statement](#)

[Copyright/Terms of Use](#)

by Kimberly S. Roempler

Students Write

[Publication Opportunities Encourage Student Thinking](#)

by Michael J. Calhoun and Middle School Science Students

Focus On Mathematics & Science in the Real World

Teachers strive to put the needs of their students first, and that means trying to make what happens in the curriculum relevant to their lives. Teachers' interpretations of ways to accomplish this are illustrated in the following articles.

Framing the Context

[Beyond Curriculum: Getting Real with our Students](#)

by Annette Thorson

[Real-World Learning: A Necessity for the Success of Current Reform Efforts](#)

by Robert E. Yager

Hands-on Learning

[Cockatiels to Kittens: Animal Behavior in the Real World](#)

by Leah M. Melber

[Architecture: An Across-the-Curriculum Project Connects to the Community](#)

by Liesa Schroeder

[Aquaponics Encourages Fourth Graders to Eat Their Vegetables](#)

by Crystal McGee

[Design Challenges Propel Earthly Problems into Orbit](#)

by Anne Ireland

[Math from the Toy Store](#)

by Robin Cohen

Internet Projects

[Using Technology and Real-World Connections to Teach Secondary Mathematics Concepts](#)

by Hollylynne Stol Drier, Kara M. Dawson, and Joe Garofalo

[Exploring Science Through the GLOBE Program](#)

by Kay Berglund

[Mathematics Projects that Foster a Critical Look at our World](#)

by Fanny Sosenke

[Water on the Web](#)

by Bruce H. Munson, George E. Host, Cynthia A Hagley, and Richard P. Axler

[Hunting for Asteroids, Comets, and Novae](#)

by Dennis Erickson

Focus On The Collection

ENC content experts have chosen materials from the ENC Collection related to this topic.

[Resources to Help You Bring the Real World into Your Classroom](#)

by Terese Herrera and Carol Damian, ENC Instructional Resources

ENC's mathematics and science content specialists explain their process for choosing materials for this section.

Materials are featured in the following categories:

- [Math and Science All Around](#)
- [Decision-Making Scenarios](#)
- [Integrated Mathematics and Science](#)
- [At Play: Sports and Toys](#)
- [Construction and Design](#)
- [Money](#)
- [Environment](#)
- [Life Sciences](#)
- [Earth/Space Science](#)
- [Physics](#)
- [Chemistry](#)
- [Probability](#)
- [Measurement](#)
- [Fractals](#)
- [Statistics](#)
- [Functions and Graphs](#)
- [Background Information fo Teachers and Students](#)
- [Professional Development](#)
- [Sources of Real Data](#)

[Back to Top](#)

You Are Here > [ENC Home](#) > [ENC Features](#) > [ENC Focus](#) > [By Year](#) > [Mathematics and Science in the Real World](#)