

[Skip Navigation](#)[You Are Here](#) > [ENC Home](#) > [ENC Features](#) > [ENC Focus](#) > [By Year](#) > [Becoming Literate in Mathematics and Science](#)**enc**[Search the Site](#)**ENC Features**[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.

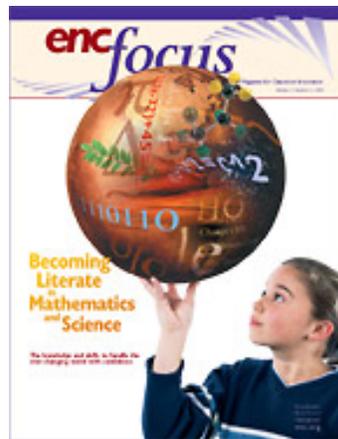
**Professional Development**

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

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

## Becoming Literate in Mathematics and Science

We all agree that schools must prepare young people to be math literate, science literate, and technology literate, but we are not always sure what the literate citizen should look like. From understanding net gains and losses, spreadsheets, and annual reports to the composition of matter and the chemistry of the universe, math and science literacy affects the decisions we make in our personal and community life.



### Welcome to the electronic version of the *ENC Focus* issue on the topic **Becoming Literate in Mathematics and Science**

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.

## 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.*

### Using the Internet

[Literate--and Safe--on the World Wide Web](#)

by Kimberly S. Roempler

### ENC in Action

[Gender Equitable Schools: They Benefit Everyone](#)

By Sundra Flansburg

Register with ENC

 Print  Email

Privacy Statement

Copyright/Terms of Use

## ENC Partners

[Ohio Resource Center for Mathematics, Science, and Reading](#)

by Peggy Kasten

## Student's Write

[Dear Mrs. B, Please Reconsider...](#)

by Lynn Bradley & Joanne Caniglia

[Classroom Calendar - July 2001](#)

---

## Focus on Becoming Literate in Mathematics and Science

Statistics on the nightly news...computers in the kitchen...medical breakthroughs on the ballot: A literate citizenry has the knowledge and skills to handle the ever-changing world with confidence. The articles in this section provide ideas and resources to help teachers meet the challenge.

---

Editorial--[Some Things We All Want to Hear](#)

by Carolyn Hamilton

[Mathematics and Science Literacy for All Americans](#)

by Frank X. Sutman

[A Nobel Laureate Talks to ENC](#)

[Innumerate and Proud of It](#)

by Mark Holtman

[It's About Relevancy](#)

by Carol Damian

[The Proving Ground for History](#)

by David O'Connell

[Talking Their Way to the Middle of All Numbers](#)

by Kristine Reed Woleck

[Graphing Savvy: Giving Students a Sense of Mathematical Power](#)

by Sue McMillen

[Improving Literacy Through Innovative Professional Development for Teachers](#)

by Mary Hindelang

[Ecosystem Succession](#)

by John Rosemurgy

[The Life and Times of a Bean Plant](#)

*by Tom Sprague*

[A Vote for Fidel Castro Is Not Truly a Vote Against Alison Peebles](#)

*by Alison Peebles*

[Media Literacy: Yes, It Fits in Math and Science Classrooms](#)

*by Frank Baker*

[Math & Science Illiteracy in the News](#)

*by Carolyn Hamilton*

[Cloning and the Media: A Snapshot of Scientific Literacy](#)

*by Lynda Titterington & Suzanne Drummer*

[Math on the Map](#)

*by Wendy Cheely*

[Putting Textbooks to the Test](#)

*by Jo Ellen Roseman, Gerald Kulm, & Susan Shuttleworth*

---

## Focus On The Collection

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

[Developing Literate Citizens](#)

*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:

- [Defining Math and Science Literacy](#)
- [Making Sense of Numbers](#)
- [Organizing and Analyzing Data: Graphing](#)
- [Organizing and Analyzing Data: Statistics](#)
- [Organizing and Analyzing Data: Probability](#)
- [Applying Mathematics](#)
- [Applying Science](#)
- [Understanding Science News and Issues](#)
- [Creating Scientific Awareness of the Environment](#)
- [Placing Science Learning in Context](#)
- [Background Reading](#)

[Back to Top](#)

[You Are Here](#) > [ENC Home](#) > [ENC Features](#) > [ENC Focus](#) > [By Year](#) > [Becoming Literate in Mathematics and Science](#)