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Inquiry and Problem Solving

Researchers who study the human brain have found that significant learning requires an active process, the kind of thinking that occurs when students are involved in inquiry and problem solving in the classroom. Get ideas and read stories from teachers who have encouraged their students to become inquirers and problem solvers.

Welcome to the electronic version of the *ENC Focus* issue on the topic Inquiry and Problem Solving.

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 [Inquiry & Problem Solving](#). 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[The Math Forum](#)

by Leah Poynter

ENC in Action[Teacher Research Begins with ENC Online](#)

by Blake West

Using the Internet in the Classroom[Getting What You Want from the Web](#)

by Kimberly S. Roempler

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Going for Grants

[Corporate Foundations](#)

by Tracy Crow

Focus On Inquiry and Problem Solving

These articles show how classroom teachers all over the country encourage their students to become inquirers and problem solvers.

Framing the Context

[Who Are Classroom Innovators?](#)

by Annette Thorson

[Inquiry in the Everyday World of Schools](#)

by Ronald D. Anderson

Classroom Stories

[Student Discourse in an Inquiry-Based Elementary Science Class](#)

by Kathleen M. Collins, Fé MacLean, Annemarie Palinscar, Shirley Magnusson

[In the Cascade Reservoir Restoration Project Students Tackle Real-World Problems](#)

by Clint Kennedy

[Project Snoop Troop Cultivates a Community of Learners](#)

by Julia Harris

[Petals Around the Rose: Building Positive Attitudes about Problem Solving](#)

by Marie Appleby

Ideas from the Field

[Roll with It: An Activity Integrating Mathematics and Science](#)

by Bill Heinmiller

[Inquiring Minds Find New Challenges in Mathematics Competitions, Contests, and Events](#)

by Terese Herrera, Leah Poynter, and Judith Spicer

[Walter Wick's Tricks Engage Young Minds and Selecting Books? NSTA Provides Guidance](#)

by Annette Thorson

[20 Ways to Foster Creativity in Your Students](#)

by Laura C. Mohr

[Students Questioning Students Leads to Better Learning](#)

by Judith Engel

Focus On The Collection

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

[Classroom Resources for Inquiry and Problem Solving](#)

by Terese Herrera and Kimberly S. Roempler, 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:

- [Professional Development](#)
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- [Sources of Good Problems](#)
- [Technology Tools for Exploration](#)
- [Competitions](#)

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