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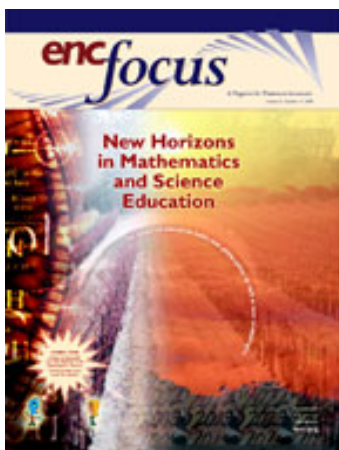
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New Horizons in Mathematics and Science Education

Teachers of the future will deal with the implications of broad societal changes and will work with students, parents, and the community to create an educational system that is less conventional, but potentially more stimulating and successful than ever.



Welcome to the electronic version of the *ENC Focus* issue on the topic New Horizons in Mathematics and Science Education

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

[Digital Libraries for You](#)

by Kimberly S. Roempler

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by *Joan Richardson*

Focus on New Horizons in Mathematics and Science Education

"New horizons" can be anything from innovative curricula to futuristic technology. They can be new uses for existing materials or a new way to think about education. The following articles will tell you about new horizons that innovators like you are using in the nation's classrooms.

Editorial--[Future Shock Now and Forever](#)

by *Annette Thorson*

[The Future Isn't What It Used to Be](#)

by *Len Simutis*

[Debating the Science Curriculum of the Future](#)

by *Judy Ridgway*

[A District that Put Physics First](#)

by *Kenneth R. Roy*

[Integrated Curriculum: A Driving Force in 21st - Century Mathematics Education](#)

by *Judy Spicer*

[Handheld Technology: The Essential Ingredient in Teaching and Learning Mathematics](#)

by *Terese Herrera*

[Piloting the Navigator](#)

by *Laura K. Brendon*

[New Horizons in the News](#)

by *Carolyn Hamilton*

[The Futurist Files](#)

by *Melanie Shreffler*

[Breaking New Ground in Alaska](#)

by *Leslie Sears Gordon*

[Learning in Motion](#)

by *Kathleen D. Hogan*

[The Eisenhower Network: New Horizons in Every Time Zone](#)

[The Communication Revolution: Knowing You Are an Effective Teacher](#)

by *Susan Boone*

[Learning Mathematics and Science in a Virtual High School](#)
by Mary Ellen Verona and Susan Ragan

[Cable in the Math and Science Classroom](#)
by Terri Payne Butler

Focus On The Collection

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

[This is Not Your Parents' 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:

- [The Leading Edge in Classroom Practice](#)
- [New Directions in Curriculum: Mathematical Modeling](#)
- [New Directions in Curriculum: Data Analysis](#)
- [New Directions in Curriculum: Chaos and Fractals](#)
- [Curriculum That Addresses Current Issues in Science](#)
- [Innovative Science Instruction](#)
- [Integrating Technology](#)
- [21st Century Tech Tools](#)
- [Engaging Students with Technology](#)
- [For Further Reading](#)

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