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## Reality of Change

Teachers face the Reality of Change every day. Explore these articles for stories that describe how teachers are dealing with the challenges, as well as practical suggestions for improving teaching and learning.

### Welcome to the electronic version of the *ENC Focus* issue on the topic *The Reality of Change*.

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.*

**Editorial**[No Pain, No Gain](#)*by Annette Thorson***ENC's Partners**[NASA Educational Workshops \(NEW\)](#)*by Leah Poynter***ENC in Action**[Connecticut Is Buzzing About ENC](#)*by Christopher Shepard***Using the Internet**[Taming the World Wide Web](#)*by Kimberly S. Roempler*

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## Going for Grants

[Grant-Writing Tools from the Web](#)

by Tracy Crow

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## Focus On The Reality of Change

*This section presents articles on the theme of this issue.*

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### Framing the Context

[Teacher Change](#)

by Michael Fullan and Andy Hargreaves

### Exploring Teacher Practice

[Changing Habits of a Lifetime](#)

by Marsha Paulus Nicol

[Help in Making Change: SummerMath for Teachers Serves as a Model](#)

by Virginia Bastable

[An Elementary Teacher Transformed Through SummerMath for Teachers](#)

by Annette Thorson

[A Secondary Math Teacher Expands Her Horizons in SummerMath for Teachers](#)

by Annette Thorson

[Making Change in Elementary Mathematics: The Children Provide the Answers](#)

by Donna Jacobs Natowich

[Making Change in Junior High/Middle School Mathematics: Breaking the Lecture Mold in Algebra Class](#)

by Jan Schott

[The Challenge of Change in High School Mathematics](#)

by Mary Flynn

[Evolving with the Internet: Taking Technology for Granted - Finally](#)

by Kristine Mueh

[First in the World Consortium: Superintendents Lead the Way to Systemic Change](#)

by Leah Poynter

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

by Kathleen M. Collins, Fé MacLean, Annemarie Palincsar, and Shirley Magnusson

## Resources for Change

[Playing to Learn: Systems Change Game Challenges and Teaches](#)  
by Carol Bershad and Susan Mundry

[Twelve Small Steps Toward Change](#)  
by Lynda Titterington

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## Focus On: The Collection

*This section presents abstracts of materials from the ENC Collection chosen to illustrate this issue's theme, The Reality of Change.*

[Choosing Resources to Facilitate Teacher Change](#)  
by Terese Herrera and Kimberly Roempler

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## Featured Resources

- [Quality Staff Development](#)
- [Standards and Implementing Standards](#)
- [Changing Teachers, Changing Schools: General](#)
- [Changing Teachers, Changing Schools: Science](#)
- [Changing Teachers, Changing Schools: Mathematics](#)
- [Online Professional Development](#)

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