Research Library

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A-D

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- Addressing Climate Change Through Education
- A Framework for Adult Numeracy Standards
- After Installation: Ubiquitous Computing and High School Science in Three Experienced
- Agency of Women of Color in STEM: Individual and Institutional Strategies for Persistence and Success
- Algebra and the Elementary Classroom: Transforming Thinking, Transforming Practice
- Algebraic Reasoning in Prekindergarten–Grade 2
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- Ask an Author: Inclusive Math Communities
- Ask an Author: Students with Special Needs
- A Study of the Literature of Lab-Based Instruction in Biology
- Bilingual in Two Senses
- BioTeach—A Program of The Massachusetts Biotechnology Education Foundation: Evaluation Report, Year Three
- Boats, Balloons and Classroom video: Science Teaching as Inquiry
- Body Projects of Young Women of Color in Physics: Intersections of Gender, Race, and Science
- Breaking Barriers
- Breast Cancer and the Environment
- Bridges to Classroom Mathematics: Videotape Package
- Broadening Participation in America's STEM Workforce, CEOSE 2007-2008 Biennial Report to Congress
- Building Bridges: Teachers Leveraging Game-Based Implicit Science Learning in Physics Classrooms
- Building on Foundations for Success: Guidelines for Improving Adult Mathematics Instruction
- Building Systems from Scratch: an Exploratory Study of Students Learning About Climate Change
- But Why Does It Work?
- Can Teachers Learn Through Inquiry Online
- Career-Life Balance for Women of Color: Experiences in Science and Engineering Academia
- Challenging Cultural Stereotypes of Scientific Ability
- Challenging Games Help Students Learn: An Empirical Study on Engagement, Flow and Immersion in Game-based Learning
- Classroom Diversity: Connecting Curriculum to Students' Lives
- Counterspaces for Women of Color in STEM Higher Education: Marginal and Central Spaces for Persistence and Success
- Count Me In! K-5: Including Learners With Special Needs in Mathematics Classrooms
- Creating and Sustaining Professional Learning Communities
- Cultivating a Culture of Inquiry
- Developing Essential Understanding of Algebraic Thinking for Teaching Mathematics in Grades 3-5 Essential Understanding Series
- Developing Interpretive Power in Science Teaching
- Development and Validation of the Light and Spectroscopy Concept Inventory
- Digital Curriculum in the Classroom: Authority, Control, and Teacher Role
- Digital Design of Smart Images: A Design Story
- Dimensions That Shape Teacher-Scientist Collaborations for Teacher Enhancement
- Discourse Analysis of Comments on a Climate Change Op-Ed, Part 1
- Discourse Analysis of Comments on a Climate Change Op-Ed, Part 2
- Discourse Analysis of Web Texts: Initial Results from a Telementoring Project for Middle School Girl
- Discourse and Social Practice: Learning Science in Language Minority Classrooms

E-H

- A Girl Scout Program Focused on Energy Conservation
- Book Review: Green Equilibrium
- Earth Science by Design Handbook for Professional Developers
- Editorial: An Important Review of Plant Reintroductions
- Electronic Learning Environments That Foster Math and Science Professional Development: Design, Facilitation, and Evaluation
- Electronic Quills: A Situated Evaluation of Writing with Computers in Classrooms
• EMPower Mathematics
• Enabling Courage: Agentic Strategies of Women of Color in Computing
• Enacting Agency: The Strategies of Women of Color in Computing
• Enhancing Use of Learning Sciences Research in Planning for and Supporting Educational Change: Leveraging and Building Social Networks
• Environmental Attitudes in Youth-created Computer Games about Climate Change
• Equity in the Future Tense: Redefining Relationships among Teachers, Students, and Science in Linguistic Minority Classrooms
• Everyday Matters in Science and Mathematics Studies of Complex Classroom Events
• Experimental Extinctions of Garlic Mustard (Alliaria petiolata) Populations: Implications for Weed Science and Conservation Biology
• Extant Text References for Narratives of the Double Bind
• Faith from the Fringes: Religious Minorities in School
• First Results from the Light and Spectroscopy Concept Inventory
• Fluid Grouping: Quantifying Group Engagement around Interactive Tabletop Exhibits in the Wild
• Focus on Education: Visiting the Radio Universe
• From Knowledge to Knowing: An Inquiry into Teacher Learning in Science
• Game Design to Learn about Climate Change: Middle School Girls’ Experiences with Systems Thinking
• Ghosts in the Machine: Women’s Voices in Research with Technology

I-L

• Implementing the Massachusetts Adult Basic Education Math Standards: Our Research Stories
• Including All Students in Meaningful Mathematics: The Story of Darrell
• Inclusive Museums
• Increasing Access to Technical Science Vocabulary Through Use of Universally Designed Signing Dictionaries.
• Informal Inferential Reasoning About Large Scientific Data Sets
• Infusing Web-based Digital Resources into the Middle School Science Classroom: Strategies and Challenges
• Innovate to Mitigate: Science Learning in an Open-innovation Challenge for High School Students
• Inside The Double Bind: A Synthesis of Empirical Research on Undergraduate and Graduate Women of Color in Science, Technology, Engineering and Mathematics
• Integrating Arithmetic and Algebra
• Interactive Whiteboard Use in High-Tech Science Classrooms: Patterns of Integration
• It’s Not as Bad as Using the Toaster All the Time—Trade Offs in a Scratch Game About Energy Use
• It’s Elementary: What’s the Weather?
• Just Say Yes to Early Algebra!
• Karen in Motion: The Role of Physical Enactment in Developing an Understanding of Distance, Time and Speed.
• Learning About Statistical Inference
• Learning and Behavior Change in a Girl Scout Program Focused on Energy Conservation: Saving Energy to ‘Save The Planet’
• Learning as a Cultural Process: Achieving Equity Through Diversity
• Learning in a Team of High School Students Addressing a Climate Mitigation Challenge
• Learning Progressions as Tool for Curriculum Development: Lessons from the Inquiry Project
• Learning Science Online: A Descriptive Study of Online Science Courses for Teachers
• Learning Science Online: What Matters for Science Teachers?
• Lessons Learned and Implications for Practice from the English Learners and Science Tests Project: A Guide for Teachers
• Lesson Study for Accessible Science: Building Expertise to Improve Practice in Inclusive Science Classrooms
• Literacy In a Science Context
• Literacy Practices of Experienced Makers: Tools for Understanding Landscapes of Possibilities

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• Making Computers Work for Students with Special Needs
• Making It Social: Considering the Purpose of Literacies to Support Participation in Making and Engineering
• Making Sense of Children’s Performance on Achievement Tests: The Case of the 5th Grade Science MCAS
• Many Futures: Mentoring Middle School Girls
• Math is Healthy
• Math Momentum in Science Centers
• Math that Matters
• Measure Lines
• Measurement in Adult Education: Starting with Students’ Understandings
• Measuring Adult Developmental Differences Using a Survey Instrument
• Measuring Implicit Science Learning Using Networks of Player-Game Interactions
• Methodological Note: On Using Personal Digital Assistants (PDAs) for Survey Administration
• Methodologies for Understanding Social Creativity During Collaborative Design Activities: A Proposal
• Models of Intervention: Reweaving the Tapestry
• MSPhet: Design Dimensions for Nested Learning Communities
• Muscles, Lungs, Blood and Guts
• My Kids Can: Making Math Accessible to All Learners, K-5
• Narratives of the Double Bind: Intersectionality in Life Stories of Women of Color in Physics, Astrophysics and Astronomy
• New Ways to Measure Adult Developmental Differences Among Teachers
• Numeracy Conceptual Framework for the International Adult Literacy and Lifeskills (ALL) Survey
• Online Professional Development: Science Inquiry in the Online Environment
• Opting in and Creating Demand: Why Young People Choose to Teach Mathematics to Each Other
• Turning Teachers into Designers
• Two Ways of Thinking about Division
• Understanding Data Through New Software Representations
• Understanding the Dearth of Women in Science
• Using Diversity as a Strength in the Science Classroom: The Benefits of Science Talk
• Using Students’ Representations and Explanations for Assessment within a Learning Progression
• What, where, who? Learning in an Innovate to Mitigate pilot team
• What Counts as Teacher Research? Continuing the Conversation
• What Don't We Know? Message about Science
• What Do The Ecologists Get From An Innovative Mentoring Program With High School Teachers?
• What’s the Problem? One Key to More Productive Classroom Inquiry
• Who Knows Whom in a Virtual Learning Network?: Applying Social Network Analysis to Communities of Learners at the Computer Clubhouse
• Women of Color in Computer Science: A Summary of Empirical Literature Findings from Inside the Double Bind
• Work-Based Curriculum to Broaden Learners’ Participation in Science: Insights for Designers