

# R&D Projects

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- [SABES Center for Mathematics and Adult Numeracy](#)
- [Signing High School Science](#)
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- [Taking Games to School: Exploratory Study to Support Game-Based Teaching and Learning in High School Science Classes](#)
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- [Using Routines as an Instructional Tool for Developing Students' Conceptions of Proof](#)
- [Zoo and Aquarium Research Collaborative \(ZAARC\)](#)
- [Zoombinis: The Full Development Implementation Research Study of a Computational Thinking Game for Upper Elementary and Middle School Learners](#)

## Browse Archived Projects

- [2012 MSP LNC Evaluation](#)
- [Access Algebra](#)
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- [A Practice-Based Approach to Professional Development in Science](#)
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- [Astrobiology Afterschool](#)
- [Astrobiology Institute Educator Resource Guide](#)
- [Atlantic Partnership for the Biological Sciences](#)
- [Biocomplexity - Transforming Innovative High-School Curriculum](#)
- [BioTeach Evaluation](#)

- Bridging Math Literacy and Digital Media Creation: Students as Learners, Teachers, and Leaders of STEM Content
- Bridging Math Literacy and Digital Media Creation: Students as Learners, Teachers, and Organizers
- Building an Inclusive Mathematics Community
- Capuano Early Childhood Center Exhibits
- Center for Ocean Science Education Excellence (COSEE)
- Children's Understanding of Functions
- Children and Science Tests
- CLEAN Core NOAA
- CLEAN Pathway
- Climate Change Education and the Media
- CLiPSE Evaluation
- Communities of Practice for Teachers in Peru
- Computing Beyond the Double Bind: Women of Color in Computing Education and Careers
- Connecticut MSP Program Evaluation
- Contribution of Science Fair to Middle School Student Interest in Science Careers
- Creating a Web Presence for the I3 Track
- CS4ALL
- Cultural Context of Learning: Native American Science Education
- Data Games Evaluation
- Data on Enacted Curriculum 2
- DataTools
- Developing Algebra-Ready Students for Middle School: Exploring the Impact of Early Algebra
- Digital Video and Motion Detection Phase II
- DIGITS Evaluation
- Diversity and Innovation for Geosciences (DIG) Texas
- DLESE Data Services - Earth System Science Data in Education
- DNI: Diabetes Numeracy Intervention for American Indians and Alaska Natives
- Early Algebra, Early Arithmetic
- Earth Exploration Toolbook
- Earth Exploration Toolbook Workshops
- Earth Exploration Toolkit Workshops
- Earth Exposed
- EarthKAM
- Earth Science by Design
- Earth Science by Design Leadership Training
- Earth System Science: A Key to Climate Literacy
- Earth-to-Orbit Engineering Design Challenges
- Earth to Orbit Engineering Design Challenges: Personal Satellite Assistant
- Educating About Statistical Issues Using Large Scientific Data Sets
- Educating Business Students as Partners in Scientific Innovation: Presage Factors
- Educating the Imagination
- Eisenhower Regional Alliance for Mathematics and Science Education
- EMPower II
- English Learners and Science Tests (ELAST)
- Enhancing Math in Afterschool
- Enhancing the Use of Data in Education
- Equity Achievement Analysis
- Evaluation of the National Biotechnology Teacher-Leader Program
- Excellence in Estuaries Education
- Excellence in Secondary Science Teaching Evaluation
- Expanding GeoFORCE Texas
- Expanding the Data Cycle
- Eyes in the Sky: Applied Information Technology
- Eyes in the Sky II: Facilitating Classroom Research Using NASA Resources and Geospatial Technology
- Eye Tracking for the Study of Seeing and Imaging
- Facilitating a Deeper Understanding of Change in the Earth System on Multiple Time Scales
- Fantasy Sports Games as Cultures for Informal Learning
- Field Research in Montserrat
- First National Conference on the Educational Applications of Geographic Information Systems (EdGIS)
- Foundations of Algebra
- Fulcrum Institute for Education in Science
- FUN: A Finland-U.S. Network for Engagement and STEM Learning in Games
- Geniverse Evaluation
- Girls' Energy Conservation Corps (GECCo)
- Girls InnovaTE3: Girls Innovating with Technology as Entrepreneurial Environmental Engineers
- GO College Project Evaluation
- Handheld Signing Math and Science Dictionaries for Deaf or Hard-of-Hearing Museum Visitors Research Project
- Helios STEM School Pilot
- Honors Earth Science Planning Work
- Horizon Dissemination
- I Believe in Math
- iCue Evaluation
- IGERT Resource Center
- Infusing NSDL in Middle Schools: Obstacles and Strategies
- INK-12: Interactive Ink Inscriptions in K-12
- Inside the Double Bind
- Interactive Earth
- Investigating Astronomy
- Kids' Survey Network

- Leadership for Mathematics Improvement
- Lead Learners in Mathematics
- Learning in Practice
- Learning Mathematics and Science in Online Environments
- Learning Probe
- Learning Science Online: A Descriptive Study of Online Science Courses for Teachers
- Lesson Study for Accessible Science
- Lesson Study for Science Teachers
- Life on Earth Evaluation
- LSC-Net
- MA ACLS Numeracy Study Circle Model
- Making the Connections in STEM Education
- Mars Exploration Program
- Martian Boneyards
- Massachusetts State Science and Engineering Fair Evaluation Planning
- MathCore for Museums
- Math in Zoos and Aquariums
- Math Momentum in Science Centers
- Math Off the Shelf
- Meeting the Challenges of Accountability in Mathematics and Science
- Methods for Studying Adult Development in Math Professional Development
- Mini-Symposium on Women of Color in STEM
- Mixing in Math: Transforming the Role of Math in Afterschool Programs
- Mixing in Math/SMILE Database
- Mixing in Math | Spanish IBM
- Mobile Signing Math Dictionary
- Mobile Signing Science Pictionary
- Model Chance
- MSPnet: The Math and Science Partnership Network
- National Center for Improving Student Learning and Achievement
- NEAGEP Evaluation: Identifying Effective Strategies for Paving the Pathway to the Professoriate
- NEIR\*TEC
- New York City Professional Development for Adult Educators
- NYC District 79 GED
- On Being Explicit: Toward A New Pedagogical Synthesis in Science
- Pathways to Certification
- Perceived Impact of Science Fair Participation on Scientists' and Engineers' Interest in Science
- Philips Color Kinetics
- Professional Development for Mathematics Leadership
- Project AIM Evaluation
- Promoting STEM Career Interest In the Classroom: An Exploratory Study
- Reopening the Science Door: TERC/Lesley Online Master's in Science Education
- Researching the Wireless High School
- Rethinking How To Teach Energy: Laying the Foundations in Elementary School
- Revolutionizing Earth System Science Education for the 21st Century
- RODES Workshop
- Save the Redwoods League Evaluation
- Scaling Up TRIAD
- Science After School Conference
- Science Online: Master's in Science Education Degree Program
- Scratch Girls
- Search for Extraterrestrial Life Museum Exhibit
- Seasons of Change
- Second Conference on the Revolution in Earth Science Education
- Shared Signing Science Planning Project
- Signing Earth Science Dictionary
- Signing Math Dictionary
- Signing Math Pictionary for K-4 Learners
- Signing Science Pictionary
- Space Science Careers: Building Hinode XRT, A Space X-Ray Telescope
- Spanish Mixing in Math (MiM) IBM
- SparkSense
- Statistics for Action
- Student/Scientist Partnership for Fossil Research
- Supporting and Understanding Sustainability in Local Systemic Change
- Tabletop 2 — Foundational Tools for Data Literacy
- Talk Science
- Targeted Research for a Serious Games NSDL Pathway
- Teachers for a New Era
- Teaching to the Big Ideas of Early Algebra
- Technology in Support of District-Wide Instructional Improvement
- The Atlantic Partnership for the Biological Sciences
- The Inquiry Project
- The Ocean in Our Backyard
- TIAN: Teachers Investigating Adult Numeracy
- Time to Enhance Math in After-School
- Transforming Instruction by Design in Earth Science (TIDES)
- Transition to Algebra Evaluation
- Try Science Online

- [Under the Microscope: Examining the Research Base on Biological Lab Experiences](#)
- [Using Data for Informed Decisions](#)
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- [Vanished: A Curated Game Evaluation](#)
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