Afterschool and Informal Learning

The following list includes all active projects.

You may also access past projects.

CIMBLE: Conference on Integrating Math into Informal Building Learning Environments (Math in the Making) —

   Principal Investigator: Andee Rubin, Scott Pattison
   Funders: The National Science Foundation
   Website: mathinthemaking.terc.edu

Over the last decade there has been a proliferation of out-of-school environments that foster building, making, tinkering, and design activities, creating an unprecedented opportunity to engage a wide range of participants in mathematics that is both purposeful and powerful. More »

Investigating STEM Literacies in Maker Spaces —

   Principal Investigator: Eli Tucker-Raymond
   Funder: The National Science Foundation
   Website: stemlims.terc.edu

Many communities across the country are developing "maker spaces," environments that combine physical fabrication equipment, social communities of people working together, and educational activities for learning how to design and create works. More »

iSWOOP2: Interpreters and Scientists Working On-Site at Our Parks —

   Principal Investigator: Martha Merson
   Co-PI: Nickolay Hristov
   Senior Scientist: Louise Allen
   Funder: National Science Foundation
   Website: http://iswoopparks.com

National Parks are full of interesting and unusual STEM features which often intrigue visitors whose questions are answered by park personnel. The iSWOOP project is dedicated to making the scientific research underway at national parks more apparent to the public, especially visitors. ... More »

iSWOOP: Interpreters and Scientists Working On-Site at Our Parks —

   Principal Investigator: Martha Merson
   Co-PI: Nickolay Hristov
   Senior Scientist: Louise Allen
   Funder: National Science Foundation
   Website: http://iswoopparks.com

National Parks are full of interesting and unusual STEM features which often intrigue visitors whose questions are answered by park personnel. In addition to the natural features, there are often researchers in the parks gathering data and conducting ... More »

Make Connections: You and Me and Math —

   Principal Investigator: Marlene Kliman
   Funder: The Heising-Simons Foundation

YMCA of Silicon Valley and TERC are collaborating to prepare for, conduct, and support a national rollout of Make Connections: You and Me and Math, our full-year, English/Spanish adult-child math program for ages 0-5. More »

Researching the Value of Educator Actions for Learning (REVEAL) —

   Principal Investigator: Andee Rubin
   Funders: the National Science Foundation
   Website: reveal.terc.edu

Researching the Value of Educator Actions for Learning (REVEAL) was a three-year, National Science Foundation (NSF)-funded research study carried out by the Oregon Museum of Science and Industry (OMSI) ... More »

Storytelling Math —

   Principal Investigator: Marlene Kliman
   Funders: Heising-Simons Foundation
Storytelling Math is an interdisciplinary collaboration focused on identifying, creating, and promoting exemplary math-infused storybooks for young children in our diverse society. More »

Principal Investigator: Andee Rubin
Funders: National Science Foundation
Based on prior research conducted as part of the Math in Zoos and Aquariums (MiZA) project, this three and one-half year research study is exploring a collaborative model for action research More »