Professional Development

The following list includes all active projects.

You may also access past projects.

- **A Practice-Based Approach to Professional Development in Science** —
  - **Principal Investigators:** Ann S Rosebery and Beth Warren
  - **Funders:** Institute of Education Sciences, US Department of Education
  - **Website:** [http://chechekonnen.terc.edu/](http://chechekonnen.terc.edu/)

  *A Practice-Based Approach to Professional Development in Science* (PBA) addresses an enduring challenge in U.S. education: providing students from historically non-dominant communities (e.g., students of African descent, students from low-income households, students for whom English is a second language) with high-quality, intellectually-engaging learning experiences in science.  

- **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](http://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.

- **Focus on Energy: Preparing Elementary Teachers to Meet the NGSS Challenge** —
  - **Principal Investigator:** Sara Lacy
  - **Funder:** The National Science Foundation

  The Next Generation Science Standards (NGSS) identify an ambitious progression for learning energy, beginning in elementary school. To help the nation’s elementary teachers address this challenge, this project will develop and research a system of resources and support for teaching and learning about energy in all scientific disciplines in grades 3-5.