

Algebra Readiness

The following list includes all active projects.

You may also access [past projects](#).

- [Impact of a Teacher-Led Early Algebra Intervention on Children's Algebraic-Readiness for Middle School](#) —

Principal Investigator: Maria Blanton

Co-PI: [Rena Stroud](#)

Funder: U.S. Department of Education (IES)

Website: [LEAP](#)

Current reforms in mathematics education underscore the critical role of algebra in elementary, middle and high school. The project consists of an Early Algebra Learning Progression (EALP) intervention materials in Grades 3 to 5, accompanying assessments to measure students' learning, and teacher professional development materials. [More »](#)

- [Impact of Early Algebra on Students' Algebra Readiness](#) —

Principal Investigator: [Maria Blanton](#)

Funders: The National Science Foundation

This project is testing the effectiveness of a comprehensive, longitudinal early algebra intervention in elementary grades 3-5 on middle-school algebra-readiness. [More »](#)

- [Learning Trajectories in Grades K-2 Children's Understanding of Algebraic Relationships](#) —

Principal Investigator: [Maria Blanton](#)

Funder: [The National Science Foundation](#)

Website: [Children's Understanding of Relationships](#)

This project aims to understand specific ways in which grades K-2 children begin to think algebraically. It will identify how children understand mathematical relationships, how they represent the relationships they notice, and how they use these relationships as building blocks for more sophisticated thinking. [More »](#)

- [Retention of Early Algebraic Understanding](#) —

Principal Investigator: [Maria Blanton](#)

Funders: The National Science Foundation

Website: [Project LEAP](#)

The project is a unique and time-sensitive opportunity to extend our current NSF-funded research on the impact of a 3-year, longitudinal early algebra intervention on children's algebra readiness for middle grades. [More »](#)

- [Technology to Support Mathematical Argumentation](#) —

Principal Investigator: [Andee Rubin](#)

Funders: [National Science Foundation](#)

Website: <http://tma.mit.edu/>

In collaboration with MIT and leading mathematics educators studying early algebraic reasoning, TERC is designing and implementing a computational toolset with which elementary students can construct and share mathematical proofs in the service of learning to be competent algebraic reasoners. [More »](#)