

Supporting Success in Algebra: An opportunity to be part of a new study

Education Development Center (EDC) is seeking high schools to participate in a study that will examine the implementation of *Transition to Algebra* (TTA), a yearlong algebra support curriculum for ninth-grade students who are underprepared for Algebra 1. TTA is designed to build students' *algebraic habits of mind*, key mathematical ways of thinking aligned with the Common Core Standards for Mathematical Practice. The study, called *Supporting Success in Algebra*, is funded by the National Science Foundation's Discovery Research K–12 program.

Why participate?

The *Supporting Success in Algebra* study addresses the urgent and persistent need for effective, evidence-based approaches to prepare high-need students for success in algebra.



- **A research-based curriculum.** Developed by EDC with support from the National Science Foundation, *Transition to Algebra* (TTA) was rigorously piloted and field-tested with students and teachers nationwide. This is a unique opportunity to implement *TTA* in yearlong support courses taken concurrently with Algebra 1/Integrated Math 1.
- **Organized around algebraic habits of mind.** TTA uses logic puzzles and broadly applicable tools and models to help students shift their ways of thinking from the concrete procedures of arithmetic to the abstract reasoning that success with algebra requires.
- **Free curriculum materials and PD.** Participating districts will receive free TTA curriculum materials from the publisher, Heinemann Houghton Mifflin, and professional development support from EDC's TTA developers. TTA classroom resources include student workbooks, teaching guides, and formative assessments. Professional development support includes summer institutes, school-year workshops, and online webinars.

Who should participate?

School districts that offer additional instructional time or a yearlong algebra-support course taken concurrently with Algebra 1 in one or more high schools are eligible to participate. The additional instructional period does not have to be contiguous with Algebra 1/Integrated Math 1, nor is it required to be taught by the same teacher.

What are the requirements for participating?

Participating schools and teachers will be asked to commit to the following aspects of TTA implementation:

- Agree to implement TTA with ninth-grade students for the 2018–19 school year in algebra support courses taken concurrently with Algebra 1/Integrated Math 1.
- Collaborate with EDC to plan for implementation and professional development.
- Agree to administer, to ninth-grade students taking algebra-support classes, the Acuity Algebra assessment and a mathematics attitude survey at the beginning and end of the 2018–19 school year. Data collection with teachers will include online surveys, and for a subset of teachers, classroom observations and interviews. Stipends will be provided to participating teachers.

How can I learn more?

For more information about the TTA curriculum, and to explore resources such as a sample unit: www.heinemann.com/transitiontoalgebra. To learn more about the study, visit ttalgebra.edc.org/study

For more information about the *Supporting Success in Algebra* study:

Deborah Spencer, dspencer@edc.org, 617-618-2558

Katie Chiappinelli, kchiappinelli@edc.org, 617-618-2975

Courtney Arthur, carthur@edc.org, 480-270-9221

Mary Beth Piecham, mpiecham@edc.org, 617-990-6132

