

Adult Numeracy Institutes



The Adult Numeracy Institutes are the culmination of nearly 30 years of research into adult math and numeracy.

This training builds upon National Science Foundation-funded projects [EMPower](#) and [Teachers Investigating Adult Numeracy \(TIAN\)](#), which became the national Adult Numeracy Instruction (ANI-PD). Each focused on transferring the conceptual understanding and problem-solving skills learned in the classroom to real life. These trainings and resources enabled teachers to model math alongside their students using concrete tools that deepen connections to abstract procedures and often memorized algorithms.

.....

The goals of the Adult Numeracy Institutes are to:

- Provide sustained duration professional development that deepens teachers' conceptual understanding of math across domains.
- Create learning opportunities where teachers engage as students in hands-on activities, discovery, and rich discussion.
- Connect these experiences to instructional strategies, differentiated learning, and hands-on and virtual resources in two standards-aligned, concept-focused curricula: [Curriculum for Adults Learning Math \(CALM\)](#) [22 units] and [Beginning Curriculum for Adults Learning Math \(BeCALM\) Remote-Ready Curriculum for Beginning Math Students \(GLE 2-4\)](#) [7 units].
- Increase teacher confidence in math content, math coherence, varied instructional strategies, student collaboration and discovery, wait time, and deep questioning.
- Improve outcomes for programs and students through more effective instruction and increased connections to everyday math and numeracy skills that go far beyond passing a test.
- Improve program and student outcomes through stronger instruction and deeper connections to everyday math and numeracy beyond just passing a test.
- Create opportunities for students and teachers to experience math in ways that build their identity as "a math person."

Key math domains covered

- | | |
|--|------------------------------|
| • Number and operations (base ten) | • Geometry |
| • Number and operations (fractions) | • Measurement and data |
| • The number system | • Statistics and probability |
| • Ratio and proportional relationships | • Expressions and equations |
| • Operations and algebraic thinking | • Functions |

Participants in the Adult Numeracy Institutes series will:

- Gain conceptual understanding of some traditionally-taught math topics;
- Add to their bank of andragogical (adult learning) strategies for teaching topics;
- Reflect on their own teaching practice in relation to research on teaching and learning math; and
- Apply what was learned between Institutes with resources like the [CALM](#) and [BeCALM](#) units and lessons.

To inquire about the Adult Numeracy Institutes, contact us at adultnumeracy@terc.edu or use [our contact form](#).

.....