

# Adults Reaching Algebra Readiness



## Reaching Higher Level Math Skills

You know your students need to achieve higher-level math skills connected to the College and Career Readiness Standards. (AR)<sup>2</sup> will give you the background and strategies needed to understand these higher-level math demands at both the conceptual and algebraic level.

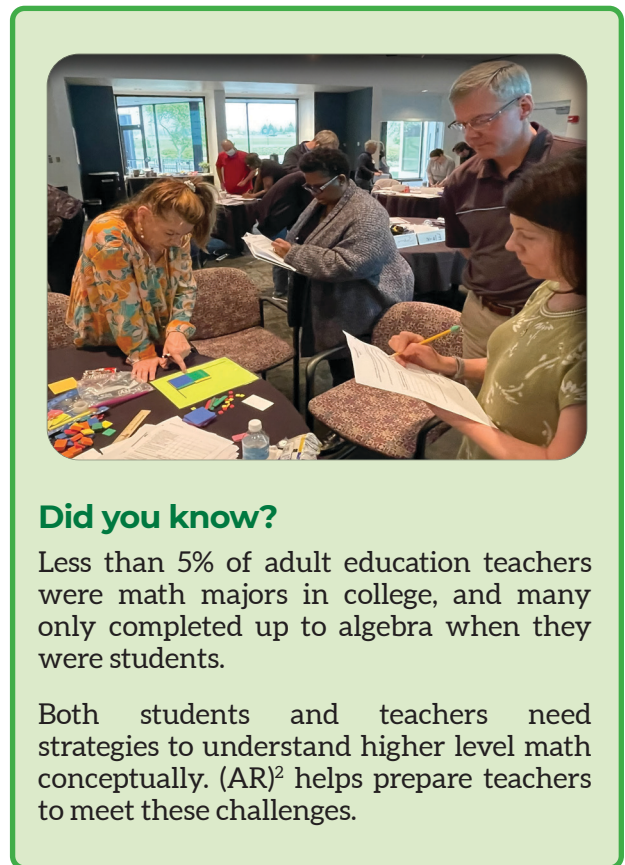
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### What is (AR)<sup>2</sup>?

(AR)<sup>2</sup> is a research-based program that builds upon the content presented in the *Adult Numeracy Institutes* series. (AR)<sup>2</sup> begins with a review of linear functions and builds to nonlinear functions and explorations with exponents. Geometry concepts are explored as ways to apply algebraic reasoning in real-life contexts, including both linear and nonlinear examples. The math is presented in real-life contexts throughout the series.

(AR)<sup>2</sup> is a series of three, two-day workshop sessions. These sessions are scheduled roughly a month apart to give participants an opportunity to return to their programs and try what they have learned. Each workshop session features collaborative, hands-on activities that deepen conceptual understanding while presenting effective and engaging instructional strategies that promote student understanding.

Connections are made to instructional strategies, differentiated learning opportunities, and the standards-aligned, conceptual understanding-focused [Curriculum for Adults Learning Math \(CALM\)](#) and the [Beginning Curriculum for Adults Learning Math \(BeCALM\)](#), [Remote-Ready Curriculum for Beginning Math Students \(GLE 2-4\)](#).



### Did you know?

Less than 5% of adult education teachers were math majors in college, and many only completed up to algebra when they were students.

Both students and teachers need strategies to understand higher level math conceptually. (AR)<sup>2</sup> helps prepare teachers to meet these challenges.

### Participants in the (AR)<sup>2</sup> series will be able to:

- turn everyday experiences into opportunities for teaching algebraic topics;
- work with algebraic expressions/equations in various formats;
- solve a system of equations graphically and algebraically;
- manipulate symbols in decontextualized problems to solve various algebraic equations;
- make connections to the College and Career Readiness Standards; and
- use real-life problems to analyze linear and nonlinear situations.

To inquire about (AR)<sup>2</sup>, contact us at [adulthoodnumeracy@terc.edu](mailto:adulthoodnumeracy@terc.edu) or use [our contact form](#).

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