

Math Professional Development



Are you looking for professional development (PD) opportunities to foster conceptual understanding, improve reasoning and justification skills, and share experiences with peers? If your goal is to inspire math learning with an emphasis on meaning, then our PD programs are for you!



The Adult Numeracy Center at TERC helps adults and young adults understand how math is present and relevant in everyday life, and how they can use this knowledge to improve their lives and communities. We offer a wide range of in-person and online PD options for teachers and administrators of all levels and experience.

We promote high-quality learning opportunities for adult education staff whether it's targeted, content-based workshops or helping programs and states create initiatives that put in place a sustainable, long-term support model. Our trainings and resources are customizable to your program's needs.

►► Read on to learn more about our most-requested PD or browse our full catalog at <https://www.terc.edu/adulnumeracycenter/pd-support>

EMPower™ (Extending Mathematical Power)

Adults who are mathematically proficient can engage with the demands of daily life more effectively. The *EMPower™* series helps students accomplish this by building their interest and competency in mathematical problem solving with strategies and approaches designed to appeal to a broad spectrum of learning differences. *EMPower™* is appropriate for a variety of settings and intended for non-traditional students enrolled in adult basic education, high school equivalency, transitional courses in college, students in alternative high schools, and in workplace settings or correction programs.

- For customized workshops to support program implementation, contact empower@terc.edu or visit <https://www.empower.terc.edu>
- Shop the *EMPower™* book series at Amazon: <https://qr-codes.io/2M8sn8xzI8A>



Sustained-duration professional development

CALM (Curriculum for Adults Learning Math)

[CALM](#) is a 22-unit curriculum for ABE- through ASE-level learners, that focuses on building students' conceptual understanding of core math concepts before delving deeper. Each unit includes complete lesson plans, formative assessments for each lesson, and a performance-based assessment. CALM also focuses on the College and Career Readiness Standards for Adult Education, including the key shifts and the Standards for Mathematical Practice. CALM was designed to help students transfer knowledge and problem-solving skills to various employment settings and life skills. To ensure teachers can successfully implement CALM as they learn new math strategies themselves, one- or two-day professional development is available in person as well as through the self-paced online CALM Introduction course.

Learn more and download sample lessons at <https://www.terc.edu/calm>



BeCALM (Beginning Curriculum for Adults Learning Math)

[BeCALM](#) is a cognitively-rigorous, standards-aligned curriculum designed to support beginning math learners (grade level equivalent 2-4) as they build understanding of foundational math concepts. We offer a one-day in person professional development workshop as well as a self-paced online Introduction to BeCALM course to help you get started with using the curriculum.

Download BeCALM materials (available in English and Spanish) for free at <https://www.terc.edu/becalm>



Adult Numeracy Institutes

The Adult Numeracy Institutes are the culmination of nearly 30 years of research into adult math and numeracy. This professional development series of three, two-day, in-person workshops and self-paced courses builds upon National Science Foundation grant projects like [EMPower](#) and [TIAN](#) (Teachers Investigating Adult Numeracy). Throughout the Institutes, teachers become the students by engaging in hands-on activities and sharing ideas with colleagues. 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 \(BeCALM\)](#).



(AR)² (Adults Reaching Algebra Readiness)

(AR)² builds upon the content presented in the Adult Numeracy Institutes series. (AR)² teaches the strategies needed to help understand higher-level math demands at both the conceptual and algebraic level. It begins with a review of linear functions and progresses to systems of equations, with the math presented in real-life contexts. Participants will learn how to turn everyday experiences into opportunities for teaching algebraic topics, work with algebraic expressions/equations in various formats, and solve a system of equations graphically and algebraically.



►► To inquire about any of our professional development options or for general questions about our services, contact us at adultnumeracy@terc.edu or use [our contact form](#).