****As you start a new school year, know that the **SABES Mathematics and Adult Numeracy Curriculum & Instruction PD Team** has you covered in the math department. Below you’ll find a list of [high-quality math PD](https://www.sabes.org/sites/default/files/resources/HQPD_AE_Standards_Onepager_rev2019-09-04_1.pdf) opportunities and instructional materials and strategies designed to help engage your ABE, HSE, English learners, and ESOL students. All resources align with the [*MA Professional Standards for Teachers of Adult Basic Education*](https://www.doe.mass.edu/acls/edueffectiveness/prof-standards.pdf) and the [College and Career Readiness Standards for Adult Education (CCRSAE)](https://www.sabes.org/content/college-and-career-readiness-standards-adult-education-math-excerpt). We also offer one-on-one and team **coaching** and **customized PD**, so look to the SABES Math Team for all your math instruction needs!

| NAME | DESCRIPTION | LINK |
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| BeCALM Remote-Ready Curriculum for Beginning Math Students (GLE 2-4) series | This collection includes teacher and student materials that can be downloaded as Word docs or PDFs. The math content is aimed at ABE level math students (approximately GLE 2–4). While adult students at this math level may have any level of reading, the student materials were designed to be used by adults with a reading level GLE 2 or above. Appropriate for use with students at an ABE reading level or beginning to intermediate English Language Learners.Materials are currently available in English and Spanish for [Number Sense](https://sabes.org/content/becalm-part-1-number-sense-remote-ready-curriculum-beginning-math-students-gle-2-4), [Operation Sense](https://sabes.org/content/becalm-part-2-operation-sense-remote-ready-curriculum-beginning-math-students-gle-2-4), [Geometry](https://sabes.org/content/beginning-curriculum-adults-learning-math-becalm-geometry-remote-ready-packet-gle-2-4), [Multiplication Concepts](https://sabes.org/content/beginning-curriculum-adults-learning-math-becalm-multiplication-concepts-remote-ready), [Division Concepts](https://sabes.org/content/beginning-curriculum-adults-learning-math-becalm-division-concepts-remote-ready-packet-gle), and [Measurement and Data](https://sabes.org/content/becalm-measurement-and-data-curriculum-beginning-math-learners-gle-2-4). (Benchmark Fractions - available Fall 2024) Coming in early 2025! BeCALM Introduction asynchronous online PD! | Download [BeCALM Scope and Sequence](https://sabes.org/sites/default/files/resources/BeCALM%20Scope%20and%20Sequence%20Table_v3.pdf)Download [BeCALM College and Career Readiness Standards Crosswalk](https://sabes.org/sites/default/files/resources/BeCALM%20CCRSAE%20Crosswalk_v3.pdf)Read more about one of the workshops in this series, [*BeCALM Measurement and Data: Curriculum for Beginning Math Learners*](https://sabes.org/event/48906).Check the [SABES Calendar](https://sabes.org/calendar) for upcoming BeCALM workshops. |
| Curriculum for Adults Learning Math (CALM) Introduction | This monthly **asynchronous online PD** introduces you to the logistical elements and guiding principles of this conceptually based math curriculum designed by the SABES Math Team. **All participants in the course will receive access to the 22 CALM units, which includes 97 complete standards-aligned math lesson plans.**CALM is for students in ABE through ASE. [**Visit the CALM website**](https://www.terc.edu/calm) to download the Scope & Sequence Overview, sample unit overviews and lesson plans, and Developmental Progressions for Linear Functions, Geometry, and Data & Statistics. We also offer more PD and Professional Development Points (PDPs) with the CALM Support Series, <https://sabes.org/content/pd-support-curriculum-adults-teaching-math-calm>Read more about one of the workshops in this series, [*CALM Support: Geometry*](https://sabes.org/event/46316). | Sep 2024: <https://sabes.org/event/48821> Oct 2024: <https://sabes.org/event/48911> Nov 2024: <https://sabes.org/event/48916> Dec 2024: <https://sabes.org/event/48921> Jan 2025: <https://sabes.org/event/48926> Feb 2025: <https://sabes.org/event/48931> Mar 2025: <https://sabes.org/event/48936> Apr 2025: <https://sabes.org/event/48941> May 2025: <https://sabes.org/event/48946> June 2025: <https://sabes.org/event/48951>  |
| Integrating Math into ESOL Units: Math Packets for ESOL Teachers | Ready-to-use lesson plans and student materials for ESOL teachers to incorporate math into language class. Access downloadable lessons plans and student materials for Employment, Health, and Shopping units. | <https://sabes.org/content/math-curriculum-resources>  |
| Math Resources for Supporting Learners With Learning Disabilities, Differences, and Difficulties | The resources on this page are specifically curated to narrow your search for key materials in your work with students who have learning disabilities, differences, and difficulties, particularly in math and numeracy. | <https://sabes.org/content/draft-learning-disabilitiesdifferencesdifficulties-resources>  |
| Creating Fraction StripsUsing Fraction Strips | This **video** provides a step-by-step tutorial of how to create fraction strips with just paper and markers.This **video** offers a brief demonstration of how to use fraction strips to solve addition, subtraction, multiplication, and division problems. | <https://sabes.org/video/creating-fraction-strips> <https://sabes.org/video/using-fraction-strips>  |
| Using Math Manipulatives in Remote Teaching | This **video** demonstrates some creative ways to engage with math, especially in a remote environment. Watch two AE math teachers talk about using manipulatives and digital tools with their students through Zoom, and hear students share their math understanding and discoveries from using materials readily found at home. | <https://www.sabes.org/content/math-manipulatives-remote-instruction>  |
| Creating Community: Overview of Remote Math Teaching | In this **video,** the instructor draws on her own recent teaching experiences as she shares strategies for building community in online math classes while being open about the challenges of remote instruction. Watch and listen to how she has kept her focus on the students while learning to navigate new technologies and other challenges of remote teaching herself. | <https://www.sabes.org/video/remote-learning-creating-community>  |
| Slow Reveal Maps (Geography for Justice) | Slow Reveal Map sequences use maps to explore data in historical and geographic contexts. Each sequence begins with elements hidden so the map is simplified and accessible to all learners. Students experience math in social studies and science contexts, which is something they will face on HSE exams. Slow Reveal Maps were inspired by a similar instructional routine called Slow Reveal Graphs. | Access the Slow Reveal Maps in PowerPoint and Google Slides and learn more about the instructional routine for Slow Reveal Graphs at <https://sabes.org/content/slow-reveal-maps-geography-justice>  |
| Using the Math Proficiency Guide to Become a More Effective Math Teacher | This asynchronous online PD provides participants with practical ways to learn from and implement the material in the *Math Proficiency Guide* to improve their own math instruction. The course is designed for new to experienced AE math instructors. The instructional strategies and ideas presented in this course are appropriate for all levels of math classes, whether your students are native English speakers or ESOL learners. The material is also designed to identify ways to make math instruction more equitable and culturally responsive for diverse student populations and communities. | Sep 2024: <https://sabes.org/event/48841> Oct 2024: <https://sabes.org/event/48956>Nov 2024: <https://sabes.org/event/48961>Jan 2025: <https://sabes.org/event/48966>Feb 2025: <https://sabes.org/event/48971>Apr 2025: <https://sabes.org/event/48976>May 2025: <https://sabes.org/event/48981> |
| English Learners in the ABE Math Classroom | This asynchronous online PD is designed to help adult education instructors teach math to ELs more effectively and in a culturally respectful manner. The strategies and ideas presented in this course are also appropriate for adult ESOL instructors as well as ABE instructors who only have native English speakers in their classes. | Sep. 2024: <https://sabes.org/event/49251>Oct. 2024: <https://sabes.org/event/49256> Jan. 2025: <https://sabes.org/event/49261>Apr 2025: <https://sabes.org/event/49266> |
| Will This Be on the Test? Inspiration for Tackling Standardized Test Questions Conceptually and Creatively | This packet introduces an instructional routine called a Test Talk. Test Talks will help you create and nurture a classroom culture that values flexible thinking and conceptual understanding and that explicitly prepares students to apply their learning in the context of standardized tests. The bulk of this packet is examples of test-like questions that can be used with this routine. | Access the packet,<https://sabes.org/content/will-be-test-inspiration-tackling-standardized-test-questions-conceptually-and-creatively> Attend the Will This Be on the Test? PD,<https://sabes.org/event/48986>  |

**Contact us should you have questions, need assistance, or want some coaching or program-based PD!**

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| **Heidi Schuler, Director** | **Sherry Soares, Project Manager** | **Connie Rivera, Professional Development Specialist** |
| heidi\_schuler@terc.edu | sherry\_soares@terc.edu | connie\_rivera@terc.edu |