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Description automatically generated**As you start a new school year, know that the **SABES Mathematics and Adult Numeracy Curriculum & Instruction PD Center** 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 Center for all your math instruction needs!

| NAME | DESCRIPTION | LINK |
| --- | --- | --- |
| BeCALM Remote-Ready Curriculum for Beginning Math Students | 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), and [Division Concepts](https://sabes.org/content/beginning-curriculum-adults-learning-math-becalm-division-concepts-remote-ready-packet-gle). | Read more about an example workshop in this series, [*BeCALM Part 1 Number Sense*](https://sabes.org/event/43971).  Check the [SABES Calendar](https://sabes.org/calendar) for upcoming BeCALM workshops. |
| 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> |
| 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. | Aug 2023: <https://sabes.org/event/43701>  Oct 2023: <https://sabes.org/event/43706>  Nov 2023: <https://sabes.org/event/43711>  Jan 2024: <https://sabes.org/event/43716>  Feb 2024: <https://sabes.org/event/43721>  Apr 2024: <https://sabes.org/event/43726>  May 2024: <https://sabes.org/event/43731> |
| 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 Center. **All participants in the course will receive access to the 22 CALM units, which includes over 90 math lessons for your academic year.** | The *CALM Introduction* online course runs monthly, generally the 1st week of the month.  See the [SABES Calendar](https://sabes.org/calendar) for dates. |
| Math Teaching Content Series | These live online workshops are intended to help teachers deepen their understanding of the content and teaching strategies. Each support session will focus on a specific content topic. Participants will also experience CALM activities on that topic, reflect on CALM’s approach to teaching that topic, and share ideas and questions with other teachers.  **Topics:** Algebra, Area Models, Data, Fractions, Decimals, & Percents (Benchmarks), Fractions, Decimals, & Percents (Operations), Geometry, Inequalities, Positive & Negative Numbers, Proportional Reasoning, and Quadratics | Read more about an example workshop in this series, [*Teaching Proportional Reasoning*](https://sabes.org/event/43976).  Check the [SABES Calendar](https://sabes.org/calendar) for upcoming workshops or contact our Center to request a topic. |
| 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. 2023: <https://sabes.org/event/43811>  Oct. 2023: <https://sabes.org/event/43816>  Feb. 2024: <https://sabes.org/event/43821>  Apr. 2024: <https://sabes.org/event/43826> |
| Math Support for First Language Literacy and Spanish ABE Teachers | This resource page contains Spanish-translated materials and subtitled videos to support understanding of the CCRSAE for Math. It also includes Spanish resources for math instruction, such as the [BeCALM: Geometry (GLE 2-4)](https://sabes.org/content/beginning-curriculum-adults-learning-math-becalm-geometry-remote-ready-packet-gle-2-4) teacher and student materials and a video on how to use [Singapore strips](https://vimeo.com/384559037) (bar models). | <https://sabes.org/content/math-support-first-language-literacy-and-spanish-abe-teachers> |
| Cross-discipline Resources | Math truly is all around us and opportunities to apply it to real-world issues and situations are plentiful. We often forget that disciplines like history, social studies, civics, and science all have natural overlaps with math. We've compiled a list of web resources that provide rich situational contexts that can provide a cross-discipline backdrop for some meaningful mathematic activities and conversations. Each resource includes suggestions for lesson topics and activities. | <https://www.sabes.org/content/resources-remote-instruction> |

**Contact us should you have questions or need assistance!**

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