



Mathematics and Adult Numeracy Curriculum & Instruction PD Center

Keeping Adult Learners Engaged in Worthwhile Math Experiences Online

Please [contact us](#) if you would like some one-to-one support trying out any of the resources below. Our job is to help make your job easier!

Learnzillion

[Learnzillion](#) is not a series of drill on computation, but rather an opportunity for all of us to continue to build conceptual understanding of core math activities. Our SABES Math Center has referenced this site ourselves when we need a quick explanation about why a procedure works. All free! All digital!

CK-12 Foundation

[CK-12 Foundation](#) is another great online resource that includes lessons for math, science, and a little social studies. While the standards referenced are from the Common Core State Standards, so are our CCRSAE so you will know what standards you are focusing on. According to one adult educator, "The FlexBook option was a favorite for my students because they could highlight the readings, take notes on virtual "sticky notes", and view everything on their phone. They also could save the readings as PDFs (with their highlights and notes) and print them out if they wanted. I also liked that most of the topics had a real world application they could explore before they dove into a topic."

Another nice thing is that teachers can create their own classes, invite the students via email or a class code, and create specific assignments with due dates. It's pretty intuitive and easy to get started using, too. This [video](#) does a nice job of summarizing the features of the site.

Math Learning Center

Free math apps are available at the [Math Learning Center](#). These virtual resources can be used to demonstrate an activity or problem you might do face-to-face. You can use the snipping tool on your computer to copy/paste the resource into a live document (like a Google Doc or Google Slides) and invite students to duplicate the images to play around with on their own for a specific problem or two. One adult educator said, "For example, here's a look at how this was done with a group of adult education instructors for an [ANN](#) webinar on [using algebra tiles and the area model to factor polynomials](#). In the webinar, participants were given the link to the Google Slides and asked to follow the directions in the comment on slide #1 (Template #1). Additional templates were added for those who wanted to continue with the exploration.

Keeping Adult Learners Engaged in Worthwhile Math Experiences Online (continued)

Mathplayground

While the title [Mathplayground](#) implies math games for kids, the math involved is so appropriate for many of our adult learners. Most of us love games and there are many thinking games which can help develop critical math thinking such as [algebraic reasoning](#) and [proportional reasoning](#) (using thinking blocks which are a form of Singapore Strips or tape diagrams).

Funbrain

[FunBrain](#) has activities that would be perfect for kids and parents to work on together. For example, Number Cracker would be appropriate for many of our students:

<https://www.funbrain.com/games/number-cracker-game>

Contact our PD Center or follow us on social media

Email: Donna Curry, Director
donnac@zwi.net

Sherry Soares, Project Manager
sherry_soares@terc.edu

Phone: 617.873.9801

Website: <https://www.sabes.org/pd-center/math-and-numeracy>

Blog: <https://adultnumeracyatterc.wordpress.com/>



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