EMPOWERED PROBLEM SOLVING

My six-week interactive online workshop is designed to give you the resources and strategies you need to teach math through problem-solving. I’ll be working with you to answer your questions and make sure you feel supported.

The workshop costs $297 and there’s approximately 17 hours of professional development content.

Participant Feedback

“This is truly the **most relevant and useful workshop** I have taken. You have carefully thought through all we need to implement problem-based lessons. You did a great job in making sense of the levels of Depth of Knowledge. I don’t think I’ve seen a better explanation. For me, this has been transforming. It’s exciting and I have revamped the way I do things for my adult learners.”

-- Dee Mallie, Teacher in Elgin, IL

“Often in a workshop, I hear 1 or 2 things that resonate with me, and, because I teach in a small, private school that has unique characteristics such as no grading, most of it does not apply to me. But **every segment of this workshop had moments that resonated with me** as a teacher and as a person. Your ideas can be implemented **not just in Common Core states**, which Virginia is not, **not just in public schools**, which mine is not, **not just in certain types of classrooms**, but **in any classroom**, for any teacher who wants to do a better job reaching and teaching students. You have expanded my sense of what’s possible and what’s necessary for problem-based learning.”

-- Katrien Vance, Teacher in Afton, Virginia
Workshop Content

Module 1: Why is problem solving so important?
• What does problem solving look like?
• How should students explain what they did?
• Why is this change needed?

Module 2: How would it work with my students?
• How do students respond to these lessons?
• How do I support my students?
• Why can’t I use strategies like CUBES?
• What does it look like when students can’t apply math?
• What should I focus on when teaching?
• Where can I find problems to use?
• What questions do teachers frequently ask?
• How do elementary students respond to these lessons?
• How do high school students respond to these lessons?
• How do I use a problem-based lesson digitally?

Module 3: How do I prepare to teach a lesson?
• Why should we prepare to teach these lessons?
• What’s a problem we can practice facilitating?
• How do I facilitate a discussion about the problem?
• What might that discussion look like?
• How can I practice facilitating this discussion?

Module 4: What if it doesn’t go as planned?
• How can I anticipate lesson failures in 60 seconds?
• How to handle eleven of the most common worst-case scenarios when implementing problem-based lessons. (including “What do you do when a student comes up with a strategy for solving the problem that you do not understand?”)

Module 5: How can I help students better understand math concepts?
• How can students get correct answers yet not understand?
• How can I support both students who struggle and those looking for more challenge?
• How do I help students persevere?
• Where can I find more Open Middle problems to use?
• How do I use an Open Middle problem digitally?

Module 6: How do I merge this with what I’m already doing?
• How do we make time for this?
• How do I fit this into my pacing plan?
• How do I assess problem-based lessons?
• What should I tell people who observe me?
• How do I stay focused on what’s important?