

Math Solutions Professional Learning

FOLLOW-UP TOPIC	ESSENTIAL QUESTION, COURSE DESCRIPTION, AND LEARNING OUTCOMES
<p>Create an Effective Learning Environment</p>	<p><i>How can I create an environment where my students are accountable for their learning and feel confident, safe and respected?</i></p> <p>Course Description: Participants will evaluate and refine the learning environment to ensure students are accountable for their learning and feel confident safe and respected.</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> • Establish clear expectations for math instruction. • Identify student and teacher actions that support effective facilitation of learning. • Employ strategies for engaging student through classroom discourse
<p>Make Math Accessible for all Learners Through Differentiation</p>	<p><i>How can I make math accessible to each of my unique learners through the use of data and differentiation structures and resources?</i></p> <p>Course Description: To ensure equity, participants will explore the powerful teaching support and differentiation options in <i>GO Math!</i> to help all students access the mathematical content.</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> • Use strategies to support instruction before, during and after math to provide access to all learners. • Connect language, culture, and literacy to math to deepen student understanding. • Plan instruction that explicitly addresses varying needs and supports for all learners
<p>Leverage GO Math! Data to Accelerate Growth</p>	<p><i>How can I use data and resources to accelerate growth for each of my students?</i></p> <p>Course Description: To accelerate student growth, participants will utilize a collaborative model that focuses on data, instructional skills, and results.</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> • Describe the roles of formative and summative assessment in GO Math!. • Select appropriate assessments and use data to monitor student learning.

	<ul style="list-style-type: none"> Identify and use GO Math! instructional strategies and resources to accelerate growth.
Maximize Learning with Digital Resources	<p><i>How can I use digital resources to maximize retention of content through application of mathematics?</i></p> <p>Course Description: Participants will identify and integrate GO Math! digital resources to enhance learning.</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> Understand current research around effective Blended Learning Explore GO Math! digital resources, including PMT, to determine how they can support instruction. Prepare lessons that meaningfully integrate digital resources, interactive lessons, and assessments.
Plan Effective Math Learning Experiences	<p><i>How can I apply best practices and program resources to develop lesson plans?</i></p> <p>Course Description: Participants will learn to plan effective, student-centered learning experiences that increase learner engagement throughout instruction.</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> Understand how to support productive perseverance throughout instruction. Practice and apply strategies to increase student engagement. Structure instruction to build shared understanding.
Explore the Eight Effective Mathematics Teaching Practices	<p><i>What are the NCTM Effective Mathematics Teaching Practices and why are they important?</i></p> <p>Course Description: Participants will understand the NCTM Mathematics Teaching Practices, make connections to effective student practices, and use GO Math! resources to implement each practice.</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> Explore and unwrap the NCTM Mathematics Teaching Practices. Connect effective teaching practices to effective student practices. Implement the Mathematics Teaching Practices using GO Math! resources.
Teach the Language of Mathematics to Support English Learners	<p><i>How can I support my English Learners with language development?</i></p> <p>Course Description: Participants will learn strategies to promote the use and development of math language for all learners, especially English Learners.</p>

Learning Outcomes:

- Identify, practice, and apply best practices to support English Learners.
- Explore and select GO Math! resources that support language development.