

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!.

	<ul style="list-style-type: none"> • Select appropriate assessments and use data to monitor student learning. • 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	<p><i>How can I support my English Learners with language development?</i></p> <p>Course Description:</p>

Support English Learners

Participants will learn strategies to promote the use and development of math language for all learners, especially English Learners.

Learning Outcomes:

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