AGENDA

*Math Expressions* Getting Started

OVERVIEW

This introductory course, which helps participants understand the *Math Expressions* pedagogy from the perspectives of both a student and a teacher, looks closely at the Inquiry Learning Path and Five Core Structures—Building Concepts, Helping Community, Math Talk, Quick Practice, and Student Leaders. Through meaningful hands-on or virtual experiences, teachers deepen their understanding of how students learn math, which enables them to plan meaningful learning experiences. They also discover how *Think Central* supports teaching, planning, and progress monitoring.

LEARNING Outcomes

* Build understanding and confidence to ensure a strong implementation
* Support differentiation, assessment, and effective whole- and small-group instruction using *Math Expressions* resources and instructional tools
* Enhance instructional delivery and student learning using *Math Expressions* technology

TOPICS

Creating the Learning Climate

This opening includes introductions, learning outcomes, and pertinent logistical information.

Research and Program Overview

Participants understand how the *Math Expressions* pedagogy supports the teaching and learning of mathematics using an inquiry-based learning approach. They also preview the teacher and student materials.

Student Experience

The Five Core Structures in *Math Expressions* promote students’ confidence and success in math. Through hands-on learning, participants understand and discuss how students learn math with *Math Expressions*.

Teaching and Planning

First, participants deepen their understanding of *Math Expressions* by exploring the planning and pacing resources. Then they learn the features of a lesson and tips for teaching with *Math Expressions*. Finally, they explore a lesson from their grade level.

Assessment

To gain a complete picture of what students understand and can do, it is important to consider results from multiple forms of assessments. Participants preview the *Math Expressions* print and digital assessments and learn how to use each to inform instruction.

First Steps for Success

Participants apply knowledge of *Math Expressions* to generate a tangible first step toward successful use in the classroom.

Culminating Your Learning

Participants take time to reflect on the experiences of the day and ways that these experiences will positively impact their classroom instruction.