



Structuring Math Intervention for Grades K-2

Course Syllabus

Course Description

The purpose of this professional development course is to define math intervention and become familiar with the components of effective math intervention and instruction. Students will explore ways to structure math intervention blocks and instruction, and investigate ways to assess and identify students for math intervention. The learner will compare effective ways to progress monitor students, and learn how math intervention fits into the MTSS process. The learner will explore best practices while gaining practical strategies to use for math intervention geared towards grades K-2.

This course enhances classroom teaching effectiveness and supports improved student outcomes by introducing new knowledge in effective math intervention practices, assessment strategies, and instructional design within a K–2 MTSS framework.

Course Objectives

At the end of this course you should be able to:

1. Define math intervention.
2. Explore and analyze mathematical standards across grade levels
3. Identify and Explore Best Practices in Intervention
4. Identify how to use assessment to guide instruction.
5. Identify ways to effectively monitor student progress.
6. Describe practical strategies for structuring intervention programs.
7. Identify components of an effective intervention program.
8. Understand how mindset can influence mathematical learning

Modules

- Module 1: What is Math Intervention?, Quiz 1
- Module 2: Mathematical Standards and Practices, Quiz 2
- Module 3: Math Intervention Best Practices, Quiz 3
- Module 4: Universal Screeners & Assessments, Quiz 4
- Module 5: Progress Monitoring, Quiz 5
- Module 6: Structuring Math Intervention Blocks, Quiz 6
- Module 7: Math Intervention Programs & Content, Quiz 7
- Module 8: Mindset & Environment in Teaching Math, Quiz 8

Grading

Each quiz must be passed at an 80% or higher (three attempts allowed).



Format

This is a self-paced, asynchronous (no required live meetings) course. Throughout the PD course, you will find it helpful to take notes along the way to assist with the quizzes. Within each module, you will find reflection assessments that are not graded but will help in your journey through the course. There is an interactive forum in the course to help you connect with peers and instructors, share ideas, and collaborate on best practices throughout your learning journey.