



### Module Description

*Supporting Students with Disabilities in Mathematics* explores several instructional supports teachers can use to help students with disabilities master grade-level mathematics standards. In this module, educators will begin by considering the instructional implications and application of the Mathematics Standards for students with disabilities. Next, participants will learn how to create a supportive learning environment. Then, they are introduced to strategies for scaffolding mathematics instruction by providing job aids, using multiple representations, and differentiating problems using friendlier numbers and alternative tasks. The module also briefly covers the next steps in the continuum of support for students with disabilities, accommodations and modifications. The module will culminate with educators considering implications for planning rigorous mathematics lessons that will meet the needs of all learners.

### Participant Outcomes

After completing this module, participants will:

- Be familiar with the complexity of the Standards for Mathematics, their vertical progression and grade-level expectations, and the implications for learners with disabilities.
- Be able to apply strategies for creating a supportive learning environment and for scaffolding mathematics instruction by providing job aids, using multiple representations, and differentiating tasks.
- Be able to create units and lessons that include instructional routines and supports designed to address potential barriers and learner variability.

## **Module Outline**

### Section 1: Introduction

- Welcome and Module Objectives
- Pre-Assessment

### Section 2: Understanding Expectations

- The Importance of Understanding
- Inclusive Education
- Creating a Supportive Learning Environment

### Section 3: Meeting Students' Needs through Scaffolding

- Providing Job Aids
- Using Multiple Representations
- Differentiating Tasks Using Friendlier Numbers
- Using Alternative Tasks

### Section 4: Accommodations and Modifications

- Accommodations
- Modifications

### Section 5: Planning Lessons

- Things to Consider When Planning Lessons
- Three Phase Lesson Format

### Section 6: Conclusion

- Culminating Ideas
- Post-Assessment