



Integrating SEL to Boost Achievement in Secondary Math Classrooms

Course Syllabus

Course Description

"Integrating SEL to Boost Achievement in Secondary Math Classrooms" is a professional development course designed for educators teaching grades 6-12. This two-credit course emphasizes the critical role of Social Emotional Learning (SEL) in enhancing academic achievement in mathematics.

Module 1, "SEL and Academic Achievement," explores the research linking SEL competencies with improved student outcomes. In Module 2, "SEL in the Context of Secondary Math Education," participants will delve into the specific challenges and opportunities of applying SEL in math instruction. Module 3, "Integrating SEL into Existing Math Curriculum," offers practical strategies for embedding SEL into daily lessons, student assignments, and assessments both formative and summative. Module 4, "Professional Development and Teacher Well-Being," focuses on the importance of educators' own SEL skills and self-care practices. Module 5, "SEL and Identity," addresses how SEL supports the development of students' personal and academic identities, particularly in diverse classroom settings. Finally, Module 6, "SEL and a Classroom Culture of Belonging," provides tools to foster an inclusive and supportive learning environment.

This course will equip educators with the knowledge and skills to create a math classroom where students thrive emotionally and academically.

Course Objectives

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

1. Understand what social-emotional learning is and how it affects academic achievement.
2. Understand the specific social and emotional challenges that come with math education, and be able to use a variety of tools and strategies to address them.
3. Adapt lessons and curriculum to build social and emotional intelligence in students.
4. Examine the teaching profession and ways teachers have found to thrive within it, despite its challenges.
5. Describe how students' identities come into play when they learn math, and how to create positive math identities in students.
6. Identify characteristics of a math classroom with a strong sense of student belonging, and understand how to create that in your own context.

Modules

- Module 1: SEL and Academic Achievement, Quiz 1



- Module 2: SEL in the Context of Secondary Math Education, Quiz 2
- Module 3: Integrating SEL into Existing Math Curriculum, Quiz 3
- Module 4: Professional Development and Teacher Well-Being, Quiz 4
- Module 5: SEL and Identity, Quiz 5
- Module 6: SEL and a Classroom Culture of Belonging, Quiz 6

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.