

## Measuring and Promoting Social-Emotional Learning and STEM Skills in Project-Based Learning or Small Group Work

### Course Description

In this course, you will build capacity to promote better social interactions in small group settings that ultimately lead to better academic outcomes. You will review the CASEL model for Social and Emotional Learning (SEL), and how to use an observation instrument for documenting SEL in STEM or PBL groups. You will also learn how to use survey and observation data to inform practice and to document change.

### Professional Teaching Standards Alignment

**Standard:**

Standard II: Teachers establish a respectful environment for a diverse population of students

**Domain:**

Teachers provide an environment in which each child has a positive nurturing relationship with caring adults.

### Digital Competencies

**Data and Assessment**

- Use performance data and digital tools to empower student metacognition for self-assessment & self-monitoring their own learning progress.
- Utilize technology and digital tools to synthesize and apply qualitative and quantitative data to:
  - Create individual learner profiles of strengths, weaknesses, interests, skills, gaps, preferences.
  - Inform, personalize, and calibrate individual learning experiences.
  - Identify specific plans of action related to weaknesses, gaps, and needed skills as identified in the learner profile.
  - Reflect and improve upon instructional practice.

## Units

Unit 1: Course overview and introduction to SEL STEM Observation Instrument  
Unit 2: Collaborative for Academic, Social and Emotional Learning (CASEL) Model  
Unit 3: Using the Observation Instrument and Survey Data  
Unit 4: Quantifying and Using Survey Results to Inform Practice

### **Certificate Information**

Participants can earn a certificate of completion for 20 Digital Learning hours. To earn a certificate, participants must:

- Complete each Unit.
- Contribute to the community by sharing ideas in the discussion forums; A certificate requires at least one post per unit, if instructed.