

Task 2. Engaging Students & Supporting Learning

Purpose

The Engaging Students & Supporting Learning task asks you to demonstrate how you work with your students to improve their understanding of mathematical concepts and their ability to engage in mathematical discourse to develop that understanding. You will provide evidence of your ability to engage students in meaningful mathematics tasks, monitor their understanding, and use your responses to students to guide their learning.

What Do I Need to Do?

Videotape your classroom teaching

- ✓ Examine your plans for the learning segment and identify learning tasks in which students are actively engaged in understanding mathematical concepts and participating in mathematical discourse.
- ✓ View the video(s) to check the quality, analyze your teaching, and select the most appropriate video clip(s) to submit.
- ✓ Provide one or two video clips of no more than fifteen minutes total. Select clip(s) that demonstrate how you engage students in understanding mathematical concepts and participating in mathematical discourse to develop that understanding. (You may select conceptual understanding either as the primary focus of instruction or integrate it with the development of your students' understanding of a computation or procedure.) The clip(s) should include interactions among you and your students and your responses to student comments, questions, and needs.

Videotape Guidelines

- A video clip should be continuous and unedited, with no interruption in the events. If you elect to use two clips, they should portray key events that cannot be portrayed in a fifteen minute clip. **The two clips must come from the same lesson.**
 - The clip(s) can feature either the whole class or a targeted group of students.
 - Both you and your students should be visible and clearly heard on the video submitted.
 - Tips for videotaping your class are available have been provided to your program.
 - Before you videotape, ensure that you have the appropriate permission from the parents/guardians of your students and from adults that appear on the videotape.
- ✓ Provide a copy of any relevant writing on the board, overhead, or walls if it is not clearly visible on the video. Attach this document to the Instruction Commentary.

- ✓ Complete the Video Label Form and either attach it to the videotape or put it in a folder or CD/DVD with the video file(s) in an electronic format. The form is located after the instructions for this task.
- ✓ Respond to each of the prompts in the Engaging Commentary.

Engagement Commentary

Write a commentary of **2-4 single-spaced pages** (including prompts) that addresses the following prompts.

1. In the instruction seen in the clip(s), how did you engage students in learning tasks and mathematical discourse to build understanding of mathematical concepts?
 - a. How did these strategies reflect students' academic or language development, social/emotional development, or experiences?
 - b. Cite examples aimed at engaging all your students and examples aimed at engaging specific individuals or subgroups. If you described any of these fully in the lesson plans or the planning commentary, just reference the relevant description.
2. Given the language proficiencies of your students, describe examples of language supports seen in the clip(s) to help your students understand the content and/or participate in mathematical discourse central to the lesson.
3. How were you making students' understandings visible?
 - a. Describe your strategies for eliciting student responses.
 - b. Analyze the success of these strategies for furthering students' learning and for monitoring the understandings of all students.
4. **Reflection:** Reflect on the student learning of both concepts and academic language that are featured in the video clip(s).
 - a. Identify successes as well as missed opportunities.
 - b. If you could do it over, what might you have done to take advantage of missed opportunities or to improve the learning of students with diverse learning needs and characteristics?

Task 3. Video Label Form

Candidate ID # _____

Elementary Mathematics Clip(s)

Lesson from which clip(s) came: Lesson # _____

If Electronic, Video Format of Clip(s): *(check one)*

- Quicktime
- Windows Media Player
- DVD format (no other media player involved)
- Other *(please specify)* _____