

Overview of Science Teaching Event

Teaching Event Task	What to Do	What to submit
1. Context for Learning (TPEs 7,8)	<ul style="list-style-type: none"> ✓ Provide relevant information about your instructional context and your students as learners of science. 	<ul style="list-style-type: none"> <input type="checkbox"/> Context Form <input type="checkbox"/> Context Commentary
2. Planning Instruction & Assessment (TPEs 1,2,3,4,6,7,8,9,10,12)	<ul style="list-style-type: none"> ✓ Select a learning segment of 3-5 hours of instruction that is centered around key scientific concepts and scientific inquiry skills that underlie specific student academic content standards. The learning segment should also develop students' scientific knowledge by helping them use scientific concepts to make sense of one or more real world phenomena. ✓ Create an instruction and assessment plan for the learning segment and write lesson plans. ✓ Write a commentary that explains your thinking in writing the plans. ✓ Record daily reflections, to submit in the reflection section of the Teaching Event. 	<ul style="list-style-type: none"> <input type="checkbox"/> Lesson Plans for Learning Segment <input type="checkbox"/> Instructional Materials <input type="checkbox"/> Planning Commentary
3. Instructing Students & Supporting Learning (TPEs 1,2,4,5,6,7,10,11)	<ul style="list-style-type: none"> ✓ Review your plans and prepare to videotape your class. Identify opportunities for students to collect and analyze scientific data. ✓ Videotape the lesson(s) you have identified. ✓ Review the videotape to identify two video clips portraying the required features of your teaching. The total running time should not exceed 20 minutes. ✓ Write a commentary that analyzes your teaching and your students' learning in the video clips. 	<ul style="list-style-type: none"> <input type="checkbox"/> Video Clips <input type="checkbox"/> Video Label Form <input type="checkbox"/> Instruction Commentary
4. Assessing Student Learning (TPEs 2,3)	<ul style="list-style-type: none"> ✓ Select one student assessment from the learning segment and analyze student work. ✓ Identify three student work samples that illustrate class trends in what students did and did not understand. ✓ Write a commentary that analyzes the extent to which the class met the standards/objectives, analyzes the individual learning of two students represented in the work samples, describes feedback to students, and identifies next steps in instruction. 	<ul style="list-style-type: none"> <input type="checkbox"/> Student Work Samples <input type="checkbox"/> Evaluative Criteria or Rubric <input type="checkbox"/> Assessment Commentary
5. Reflecting on Teaching & Learning (TPEs 12,13)	<ul style="list-style-type: none"> ✓ Provide your daily reflections. ✓ Write a commentary about what you learned from teaching this learning segment. 	<ul style="list-style-type: none"> <input type="checkbox"/> Daily Reflections <input type="checkbox"/> Reflective Commentary