



# Classroom Science Practices

3 clock hours

## MAJOR TOPICS TO BE COVERED

- NGSS Science and Engineering Practices (SEPs)
- Classroom Strategies for implementing and assessing SEPs
- Planning, teaching, and reflecting on lessons that utilize SEPs

This self-paced course includes the following activities:

1. Reading the [‘Science Practices Continuum’](#) and the [Instructional Strategies](#) for all 8 science practices.
2. Plan a science lesson and identify the Science and Engineering Practices (SEPs) that will be targeted in the lesson.
3. Write a lesson plan that includes:
  - Science Topic and Grade Level
  - Science practices to be targeted
  - The instructional strategies from the reading that are being used in the lesson
  - Student Friendly ‘I Can Statement’ (Learning Target)
  - Planned Sequence of the lesson
  - How the Science Practices Continuum will be used to determine student growth towards the learning target
  - The date and time the lesson was taught.
4. After you teach the lesson, write a 1 page self-reflection that identifies:
  - The successes and challenges of the lesson
  - The benefits and challenges of the instructional strategies and science practices continuum
  - Your plans for future use of the SEPs and science practices continuum into lessons.
5. Submit the lesson plan and 1 page reflection to Dr. Rachel Osborn,  
[Rachel.osborn@bremertonschools.org](mailto:Rachel.osborn@bremertonschools.org)

## COURSE OBJECTIVES:

As a result of participating in this course, teachers will demonstrate understanding of the following:

- NGSS Science and Engineering Practices
- Common Core Math Practices
- Planning, teaching, and reflecting on an integrated math/science lesson.