

i-STEM Academic Year Continuing Professional Development - Fall 2020 or Spring 2021 credit

The University of Idaho is offering a 3rd credit to those that choose to participate in academic year follow on professional development, that builds on the lessons learned at the summer institute. Lesson plans will be developed that will then be used by the Idaho State Department of Education to build a library of resources for educators.

Course Title: i-STEM Lesson Planning

Number of Credits: 1

Course location: virtual (online)

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Purpose:

The purpose of this course is to offer follow on support and professional development to educators that participated in a summer i-STEM institute that prepares them to develop and deliver lesson plans that exhibit integrated, project based curriculum. A focus will be placed on the Idaho Science Standards and content areas addressed in the i-STEM institute strand in which the educator participated.

Learning Objectives:

- Demonstrate understanding of Idaho Science Standards specific to grade and subject being taught for this lesson plan
- Demonstrate ability to incorporate Idaho Science Standards into lesson plans
- Demonstrate ability to articulate student learning outcomes and assessment practices
- Demonstrate ability to assess student learning against the stated outcomes and relevant science standards.

Attendance:

Six workshops will be offered virtually to all participants in this course. Dates and times TBD based on the enrollment, however, every effort to ensure these virtual workshops are accessible to the majority of teachers will be made. Each participant is expected to attend a minimum of 3 workshops. Participants will be grouped into workshops based on similar strand attended. Each workshop will be an independent subject such that participation in previous workshops is not required. Each workshop will be repeated for each strand group.

Workshop topics:

1. Identifying relevant content standards for proposed lesson
2. Setting learning objectives that reflect the content standards
3. Identifying proposed activities that involve students and elicit critical thinking skills, and engage the students in self-reflection
4. Lesson Delivery
5. Assessment strategies
6. The Lesson Plan Template

Assignments:

Each participant is expected to develop and deliver their lesson plan and will be required to submit their final lesson plan to the instructor no later than Friday, November 27th for fall OR Friday, April 30th for spring. A template will be provided that must be adhered to. **All lesson plans submitted may be shared with the Idaho State Department of Education for use by other educators.**

Participants will be asked to attach artifacts from their students to their assignment that demonstrate the assessment strategy that was employed.

Grading: Grading will be on a pass/fail basis. All participants that engage in at least 3 workshops AND thoughtfully complete all components of the lesson plan with evidence of assessment will receive a passing grade and 1 credit for the fall OR spring semester.