

i-STEM 2019: Project-Based Learning and Idaho State Content Standards Course A

Course Syllabus – Summer 2019

Angela Hemingway and Kaitlin Maguire, STEM Action Center

Course Number: KE196TE2391

Course Hours: One (1)

Link to Registration: <https://aceware.boisestate.edu/wconnect/CourseStatus.awp2?&course=KE196TE2391>

Registration Deadline: July 15, 2019, midnight MST

Location and Course Dates:

- In Person Training at one of the i-STEM Institutes:
 - North Idaho College June 17-20, 2019 8am-5pm
 - Lewis-Clark State College June 17-20, 2019 8am-5pm
 - Idaho State University June 18-21, 2019 8am -5pm
 - College of Southern Idaho June 24-27 8am-5pm
 - College of Eastern Idaho June 24-27 8am-5pm
 - College of Western Idaho June 25-28 8am-5pm
- Final Survey Due: July 15, 2019

Course Cost: \$60

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COURSE DESCRIPTION: i-STEM is a four day professional development institute focused on STEM education. This year's theme is Project-Based Learning and Idaho State Content Standards. General sessions during the institute will focus on understanding Idaho Content Standards and developing project-based learning unit plans that align to the standards. Participants will attend workshops that cover science, technology, engineering and math (STEM) content within a project-based learning framework and learn how the content is applicable to local interests. Participants will network with one another, hear from keynote speakers and go on field trips.

COURSE OBJECTIVES & LEARNER OUTCOMES:

- 1) Participants will demonstrate an understanding of project-based learning in the context of STEM education.
- 2) Participants will learn how to read, understand and incorporate state content standards into their teaching.
- 3) Participants will learn about a specific STEM topic and receive a kit of materials to implement what they have learned into their teaching practice.

COURSE ASSIGNMENT:

- 1) Educators will attend all four days of an i-STEM Institute (36 hrs).
- 2) Educators will submit a final survey via the Community Grants Portal (<https://idahostem.force.com/gms/>)

FINAL ASSIGNMENT DUE DATE: July 15, 2019 by midnight MST via the Community Grants Portal.

TRANSCRIPT DATE: Summer 2019