i-STEM 2019: Project-Based Learning and Idaho State Content Standards  
Course B  
Course Syllabus – Summer 2019  
Angela Hemingway and Kaitlin Maguire, STEM Action Center

Course Number: KE196TE2392

Course Hours: Two (2)

Link to Registration: [https://aceware.boisestate.edu/wconnect/CourseStatus.awp2?&course=KE196TE2392](https://aceware.boisestate.edu/wconnect/CourseStatus.awp2?&course=KE196TE2392)

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: $120

Instructor Email: Angela Hemingway [Angela.Hemingway@STEM.Idaho.gov](mailto:Angela.Hemingway@STEM.Idaho.gov), 208-332-1726  
Kaitlin Maguire [istem@STEM.Idaho.gov](mailto:istem@STEM.Idaho.gov), 802-356-2060

**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/](https://idahostem.force.com/gms/))

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

**TRANSCRIPT DATE:** Summer 2019