Real World Science: HOW NECESSITY CREATES INNOVATION IN SCIENCE AND TECHNOLOGY

Objectives: Teachers will learn how to use hands-on activities and stories from the past to engage students in learning science and STEM in ways that meet the new state science standards. Because this method also engages students in reading, conversation, and writing, it supports the ELA standards as well.

Outline:

1. How do scientists and engineers do their work?
    a. Use the Science and Engineering Practices
    b. Identify their application in stories from the past
2. Sink or Float?
    a. Teachers model students conducting activity
    b. Review 5E lesson structure
    c. Review formative assessment strategies
3. Squishy circuits
    a. Teachers model students conducting activity
    b. Review 5E lesson structure
    c. Choose Extend and Evaluate activities
4. Victory Gardens
    a. Teachers model students conducting activity
    b. Examine connected lessons
5. Other Lessons
    a. Teachers review remainder of the free curriculum
    b. In groups identify what materials they could use in their scope and sequence
6. Next steps
    a. Connecting to more free resources from NWWII Museum
    b. Implementation
7. Evaluation

Lessons are available here: **http://bit.ly/2kRpdjH**