**WAMC Lab Template**

Math Concept(s):

Source / Text:

Developed by: E-Mail: Date:

**Attach the following documents:**

* Lab Instructions
* Student Handout(s)
* Rubric and/or Assessment Tool

**Short Description (Be sure to include where in your instruction this lab takes place):**

**Lab Plan**

Lab Title:

Prerequisite skills:

Lab objective:

**Standards:** *(Note SPECIFIC relationship to Science, Technology, and/or Engineering)*

[Mathematics K–12 Learning Standards](https://1drv.ms/b/s!AithKuHrT3O5mAOtMPDggYRz4BTe?e=xtGrbS):

[Standards for Mathematical Practice](https://www.insidemathematics.org/common-core-resources/mathematical-practice-standards):

[K-12 Learning Standards-ELA](https://1drv.ms/b/s!AithKuHrT3O5mAQ2M7omcssGJOZu?e=qS7HYC) (Reading, Writing, Speaking & Listening):

[K-12 Science Standards](https://1drv.ms/b/s!AithKuHrT3O5mAb1gUWXim3ewopM?e=uIGCeo)/[Engineering](https://www.nextgenscience.org/topic-arrangement/hsengineering-design):

[Technology](https://1drv.ms/b/s!AithKuHrT3O5mAVuwGKNZ6IqHFes?e=JaCb69)

[Leadership/21st Century Skills](https://1drv.ms/b/s!AithKuHrT3O5mAg8I6HqAYMQyVVe?e=cJYj3d):

|  |  |  |  |
| --- | --- | --- | --- |
| 21st Century Interdisciplinary themes (Check those that apply to the above activity.)  Global Awareness  Financial/Economic/Business/Entrepreneurial Literacy  Civic Literacy  Health/Safety Literacy  Environmental Literacy  21st Century Skills(Check those that students will demonstrate in the above activity.) | | | |
| **LEARNING AND INNOVATION**  Creativity and Innovation  Think Creatively  Work Creatively with Others  Implement Innovations  Critical Thinking and Problem Solving  Reason Effectively  Use Systems Thinking  Make Judgments and Decisions  Solve Problems  Communication and Collaboration  Communicate Clearly  Collaborate with Others | **INFORMATION, MEDIA &**  **TECHNOLOGY SKILLS**  Information Literacy  Access and Evaluate Information  Use and manage Information  Media Literacy  Analyze Media  Create Media Products  Information, Communications and Technology (ICT Literacy)  Apply Technology Effectively | **LIFE & CAREER SKILLS**  Flexibility and Adaptability  Adapt to Change  Be Flexible  Initiative and Self-Direction  Manage Goals and Time  Work Independently  Be Self-Directed Learners  Social and Cross-Cultural  Interact Effectively with Others  Work Effectively in Diverse Teams | **Productivity and Accountability**  Manage Projects  Produce Results  Leadership and Responsibility  Guide and Lead Others  Be Responsible to Others |

**Industry Standards:**

|  |  |  |
| --- | --- | --- |
| **Agriculture, Food & Natural Resources Career Cluster**  National Council for Agriculture Education (NCAE)  **Architecture & Construction Career Cluster**  National Center for Construction Education and Research (NCCER)  Home Builders Institute (HBI)  American Welding Society (AWS)  National Institute Metalworking Skills (NIMS)  **Arts, A/V Technology & Communications Career Cluster**  The Graphic Arts Education & Research Foundation (GAERF) PrintED  Adobe | **Education Career Cluster**  National Association for the Education of Young Children (NAEYC)  **Heath and Science Career Cluster**  American Medical Technologists (AMT)  National Consortium for Heath Science Education (NCHSE)  National Highway Traffic Safety Administration (NTSA) EMT  **Hospitality & Tourism Career Cluster**  National Restaurant Association Education Foundation (NRAEF)  American Culinary Federation Education Foundation (ACFEF) | **Information Technology Career Cluster**  CompTIA  **Marketing Career Cluster**  Manufacturing Skills Standards Council (MSSC)  Marketing and Business Administration Research and Curriculum Center (MBA Research)  National Retail Federation (NRF)  **Transportation, Distribution & Logistics Career Cluster**  National Automotive Technician’s Education Foundation (NATEF) |

**Teacher Preparation: (What materials and set-up are required for this lab?)**

Materials

Set-Up Required:

**Lab Organization Strategies:**

Leadership (Connect to 21st Century Skills selected):

Cooperative Learning:

Expectations:

Timeline:

**Post Lab Follow-Up/Conclusions:**

Discuss real world application of learning from lab

Career Applications

Optional or Extension Activities