Katie Geitz's Lesson Plans for **Experimental Science**

Mar 2, 2020 to Mar 6, 2020

Mon. Mar 2, 2020 (Day A)

Design Day **11:32 am - 12:23 pm**

Topic: Designing Bridges

Essential Question: How would you design the bridge?

Task: Students will use prior knowledge to design a bridge they would like to build. Students will need to draw an overall picture of how they would like to design it, and a side or top view to show infrastructure of the bridge.

Materials: pen/pencil, project proposal packet, prior knowledge, bell ringer, exit ticket

Assessments:

Formative: design

Summative: success

Tue. Mar 3, 2020 (Day B)

Building Day **11:32 am - 12:23 pm**

Topic: Bridges

Essential Question: What design makes a bridge the strongest?

Task: Students will spend time putting their design into action by building their bridge. They want to make their bridge the strongest in the class. Students will be allowed to use 4 materials: straws, hot glue, string, and scotch tape. Students will need to use their prior knowledge of strong shapes, force application, and building techniques to build.

Materials: pen/pencil, bell ringer, exit ticket, materials to build, packet

Assessments:

Formative: design

Summative: success of bridge

Wed. Mar 4, 2020 (Day C)

Building Day **11:32 am - 12:23 pm**

Topic: Bridges

Essential Question: What design makes a bridge the strongest?

Task: Students will spend time putting their design into action by building their bridge. They want to make their bridge the strongest in the class. Students will be allowed to use 4 materials: straws, hot glue, string, and scotch tape. Students will need to use their prior knowledge of strong shapes, force application, and building techniques to build.

Materials: pen/pencil, bell ringer, exit ticket, materials to build, packet

Assessments:

Formative: design

Summative: success of bridge

Thu. Mar 5, 2020 (Day D)

Building Day **11:32 am - 12:23 pm**

Topic: Bridges

Essential Question: What design makes a bridge the strongest?

Task: Students will spend time putting their design into action by building their bridge. They want to make their bridge the strongest in the class. Students will be allowed to use 4 materials: straws, hot glue, string, and scotch tape. Students will need to use their prior knowledge of strong shapes, force application, and building techniques to build.

Materials: pen/pencil, bell ringer, exit ticket, materials to build, packet

Assessments:

Formative: design

Summative: success of bridge

Fri. Mar 6, 2020 (Day E)

Building Day **11:32 am - 12:23 pm**

Topic: Bridges

Essential Question: What design makes a bridge the strongest?

Task: Students will spend time putting their design into action by building their bridge. They want to make their bridge the strongest in the class. Students will be allowed to use 4 materials: straws, hot glue, string, and scotch tape. Students will need to use their prior knowledge of strong shapes, force application, and building techniques to build.

Materials: pen/pencil, bell ringer, exit ticket, materials to build, packet

Assessments:

Formative: design

Summative: success of bridge