**Lesson Information**

|  |
| --- |
| Lesson: (2 of 3) Mortar, Grout, and Masonry Units Length: 90 minutes  Unit: (1 of 3) Materials and Tools  Course: Masonry |

**Content Assumptions**

|  |
| --- |
|  |

**Essential Questions**

|  |
| --- |
| 1. How do mortar and grout work with masonry units? 2. How are mortar, grout, and masonry units most efficiently used? |

**Objectives Assessments**

|  |  |
| --- | --- |
| After completing this lesson, students will be able to:   1. Demonstrate their knowledge of concepts and processes associated with mortar, grout, and masonry units. | 1. Infographic — rubric |

**Activities/Instruction**

|  |
| --- |
| **Show and Tell** (45 minutes)  Instructor displays samples of mortar and grout materials, masonry units, and the tools used to work with them. Students take notes as Instructor presents information about each item, including components of mortar and grout, how mortar and grout are mixed, types of masonry units, and how each is applied/installed.  **Picture This** (45 minutes)  Using an infographic-creating tool (like those listed in the Materials section), students are to individually create infographics related to what they learned. Before creating their infographics, students are to decide their content and concept and get Instructor’s approval. For example, before creating the actual infographic, a student could decide on a circle-based scheme (concept) involving a pie chart for the ingredients in mortar, a bucket image annotated with the process for mixing mortar, and an image of masonry units laid in circular patterns annotated with the process for installing units (content). |

**Materials**

|  |
| --- |
| For students:   * http://www.infographicsonly.com/aesthetic-and-environmental-advantages-of-stone-masonry/2086-robert-kirk-stone-masonry-01/ (Sample infographic — stone masonry) * http://www.wellhome.com/blog/2010/12/understanding-insulation-infographic/ (Sample infographic — home insulation) * http://www.makeuseof.com/tag/awesome-free-tools-infographics/ (List of infographic makers and tutorials)   For Instructor:   * Samples of mortar and grout materials, masonry units, and the tools used to work with them * [INFOGRAPHIC RUBRIC] |