



**TEACHER PAGE**  
**Lesson: Sketching Prisms**  
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**New Arizona Math Strand 4 Geometry and Measurement**    **Grades 9-12**  
**Articulated 4MH1-05** Draw 2- and 3-dimensional figures with appropriate labels.  
**Old Arizona Math Standard 4 Geometry Proficiency 1**    **Grades 9-12**  
**4MP1-PO1** Sketch prisms, pyramids, cones, cylinders and spheres.

**Learning objectives:** the student will be able to:

- distinguish prisms from other 3-dimensional shapes
- identify attributes of a prism
- draw 3-dimensional figures (prisms) to demonstrate understanding.

**Overview:**

The student is guided through the process of sketching a prism using a drag and place technique.

**Classroom Management:**

This can be used in large group lessons, small group, or individual assignments. Each student will move through the lesson at differing speeds.

**Engaging Students:**

Provide a variety of different type of prisms for students to see, touch and hold. These models may be purchased geometric models and/or they may be real-life examples (e.g., food boxes, jewelry boxes, facial tissue boxes, etc.)

**Follow-up:**

Many extension opportunities are in the right buttons. In SO WHAT students can name the type of prisms in city buildings. DIG DEEPER: research George Hart and his prism art. There is a delightful origami web activity in TALK ABOUT IT.

**Teacher Note:**

This lesson might be used in the 8<sup>th</sup> grade to support Articulated PO4M81-03: Recognize the three-dimensional figure represented by a net.

**Assessment:**

Multiple-choice questions must be correctly responded to in order to finish the lesson.

