New Arizona Math Strand 4 Geometry and Measurement Grades 6, 7, 9-12
Articulated 4MH1-03 Make a net to represent a three-dimensional object;
4MH1-04 Make a three-dimensional model from a net; 4M61-03 Classify prisms,
pyramids, cones, and cylinders by base shape and lateral surface shape; 4M61-04
Classify three-dimension figures by their attributes; 4M71-02 Classify three-
dimensional solids by their configuration and properties.

Old Arizona Math Standard 4 Geometry Proficiency 2 Grade: 9-12
4MP1-PO3 Recognize the three-dimensional figure represented by a two-
dimensional drawing e.g., figures represented by nets, sketches, and photographs.

Learning objectives: the student will be able to:
• recognize polygons by number of sides
• identify prisms by base shape
• recognize the net of a given prism

Overview:
This is a step-by-step process connecting polygons to the faces of prisms. The
lesson moves deliberately through several figures and provides needed time to
soak in the examples (regular and exceptions). A print activity in TRY will need
paper, a printer, scissors and glue. To know or not to know prisms is the subject of
the SHOW. Note: there is a net in one of the activities.

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., hatbox, candy bar box (Toberlone™ candy bar), jewelry box.

Follow-up:
Find more mathematics teaching resources at: http://www.evtpc.org/tutor Have
some modeling clay on hand for students to make a key shape in TALK ABOUT IT!
Research and reporting on Frank Lloyd Wright is the focus of DIG DEEPER. Prisms
of concert, steel and glass pose a problem to solve in the SO WHAT!

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