

Sul Ross Lesson Plan Model

Lesson Title: Let's Learn Three-Dimensional Figures

Subject/Grade Level: Math/ 1st grade

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Texas Essential Knowledge and Skills (TEKS)

§111.3. Grade 1, Adopted 2012.

(b) Knowledge and skills.

(6) Geometry and measurement. The student applies mathematical process standards to analyze attributes of two-dimensional shapes and three-dimensional solids to develop generalizations about their properties. The student is expected to:

(E) identify three-dimensional solids, including spheres, cones, cylinders, rectangular prisms (including cubes), and triangular prisms, and describe their attributes using formal geometric language;

Materials Needed

- Link to video
<https://www.youtube.com/watch?v=3-QwWFkz5hw>
- Pencils
- Markers
- Scissors
- Tape
- Three-dimensional foldable paper
- Three-dimensional example worksheet

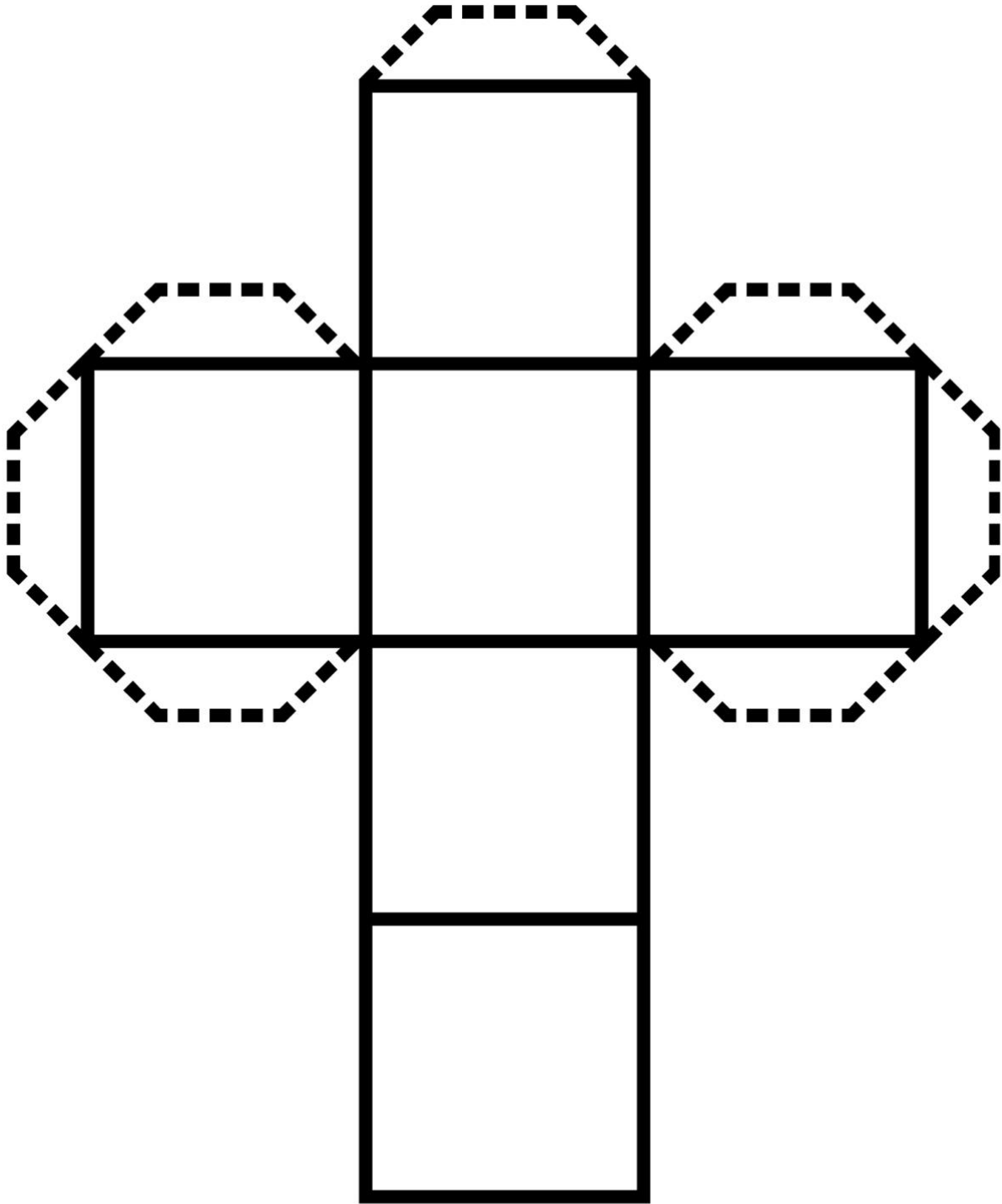
Lesson Procedures

- Announce that children will be watching a video about different three-dimensional shapes. Children should listen to try to identify the six shapes that will be described.
- Show children the video about three-dimensional figures to learn more about them.
- Once the video has ended, ask questions such as
 - What are three-dimensional figures?
 - How many three-dimensional figures are there?
 - Can somebody name a three-dimensional figure?
 - Are any of these three-dimensional figures in our home or outside?
 - Do all three-dimensional figures have edges, corners, and faces?
- After the class discussion has ended, announce that children will be making their own three-dimensional figures out of foldable paper.
 - If possible, have completed examples to show the children.

- Use the **Three-Dimensional Foldable** (pages 3-5) at the end of the lesson for children to make figures.
- At the end, do the Three-Dimensional Figure Search worksheet together.
- Extension:
 - Children can make a collage of their figures.
 - Children can write a story about the life of a cube, cylinder, or other three-dimensional figure

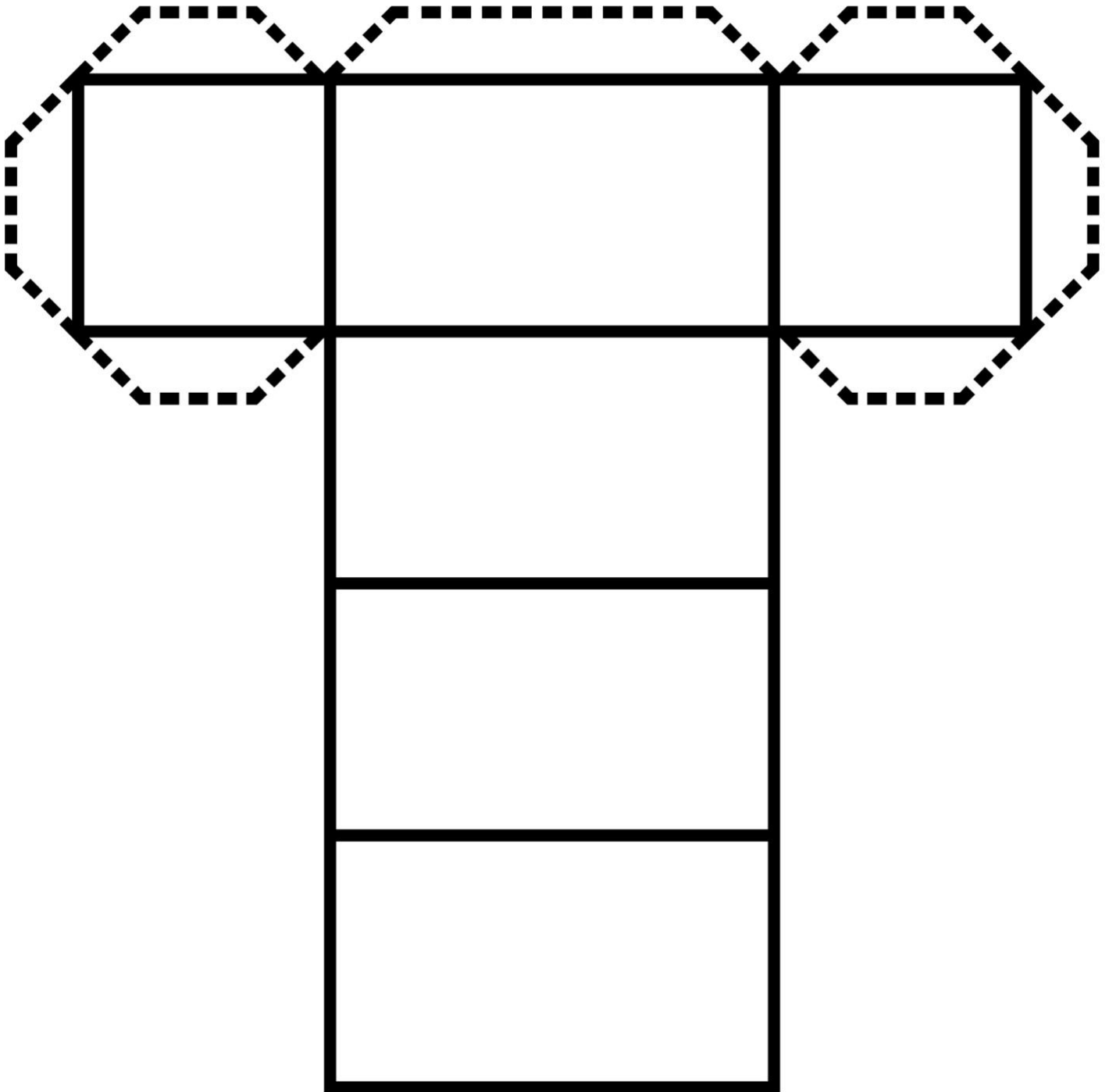
Three-Dimensional Foldable

CUBE



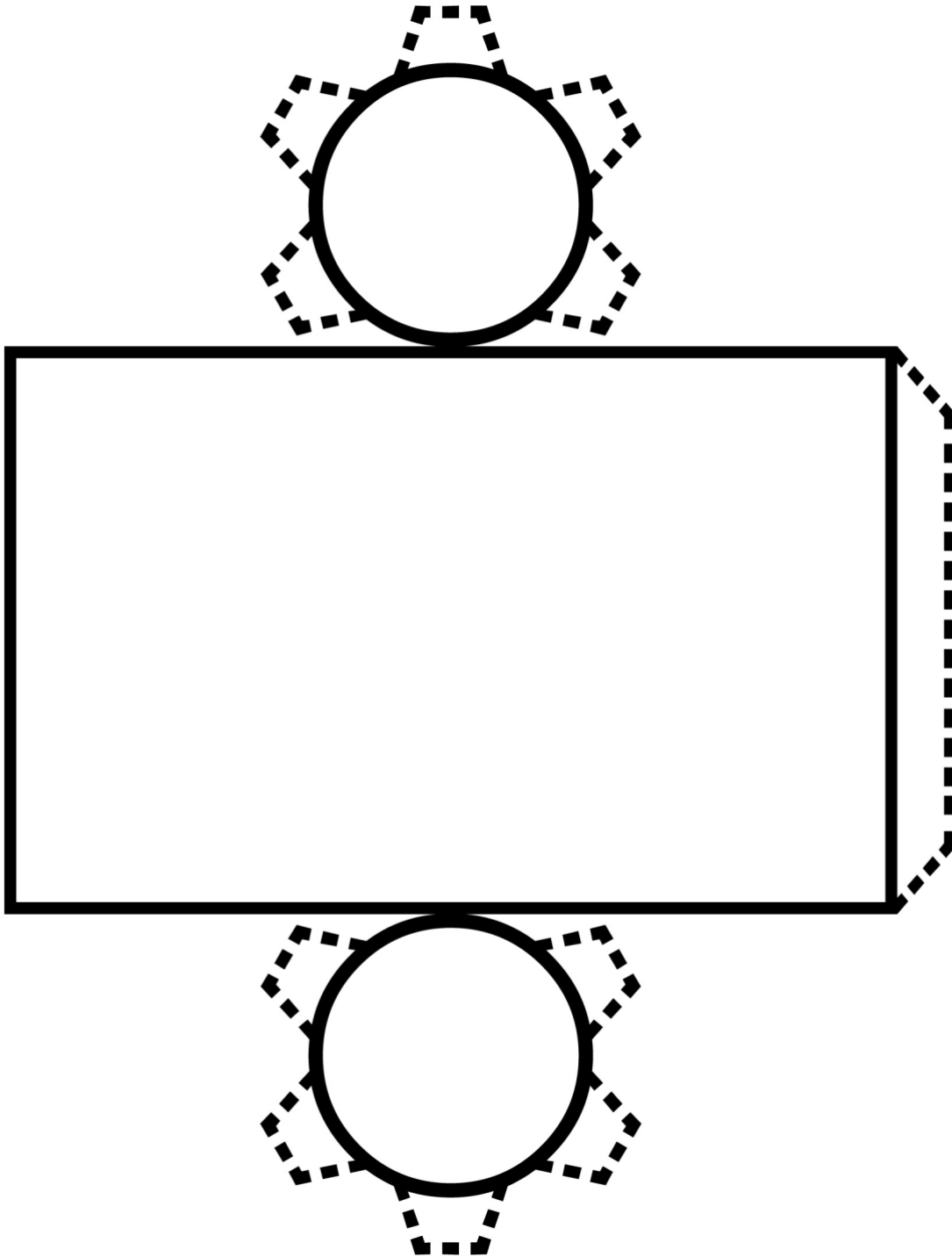
Three-Dimensional Foldable

RECTANGULAR PRISM



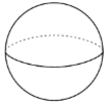
Three-Dimensional Foldable

CYLINDER

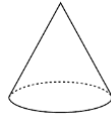


Three-Dimensional Figure Search

Give two examples of a sphere



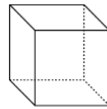
Give two examples of a Cone



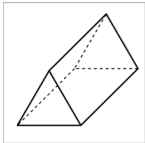
Give two examples of a cylinder



Give two examples of a cube



Give two examples of triangular prism



Give two examples of a rectangular prism

