



Kindergarten Unit 6: 3D Shapes in My World



Overview:

In this unit, students will revisit shapes in their environment and identify three-dimensional shapes (cubes, cones, cylinders, and spheres) in their environment. Students will explore and compare two-dimensional shapes and three-dimensional shapes in various sizes and orientations. They will describe how shapes are similar and different. They will order common objects based on measurable attributes and sort objects by an attribute. Students will generate statistical questions about shapes in their world and collect, represent, analyze, and explain their findings.

Learning Targets:

In Unit 6, students will:

- Identify, sort, classify, analyze, describe, and compare 2D shapes and 3D figures, in different sizes and orientations.
- Describe the relative location of an object using positional words.
- Use basic shapes to represent specific shapes found in the environment by creating models and drawings.
- Use two or more basic shapes to form larger shapes.
- Directly compare, describe, and order common objects, using measurable attributes (length, height, width, or weight) and describe the difference.
- Classify and sort up to ten objects into categories by an attribute
- Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to solve problems relevant to everyday life.

Key Vocabulary: (linked to GA DOE Interactive Glossary)

above	analyze	attribute	behind	below
beside	classify	compose	cone	cube
cylinder	data	describe	edge	face
extend	height	in front of	interpret	left
length	measurable attributes	next to	orientation	property
sort	spatial	sphere	two dimensional	three dimensional
width				

Supporting Resources:

<http://ctlslearn.cobbk12.org/>

<https://gpb.pbslearningmedia.org/resource/11i08-3d-shapes-video/lets-learn/>

<https://gavirtual.instructure.com/courses/33668#modules>

<https://gpb.pbslearningmedia.org/resource/0ba68b1d-0a45-4c75-87af-4e6e46f85267/3-d-shapes-media-gallery-peg-cat/>

https://www.abcya.com/games/shape_match

<https://www.iknowit.com/lessons/k-geometry-solid-shapes-3d.html>