Lesson 7: Flat and Solid Shapes

Standards Alignments

Addressing   K.G, K.G.A.3, K.G.B.4, K.G.B.5, K.MD.B.3

Teacher-facing Learning Goals

- Distinguish between flat and solid shapes.

Student-facing Learning Goals

- Let's build shapes with clay.

Lesson Purpose

The purpose of this lesson is for students to identify shapes as flat (two-dimensional) or solid (three-dimensional) as they build and sort shapes.

In previous lessons, students explored, identified, created, and counted two-dimensional shapes such as circles and squares. In this lesson, students are not expected to use precise vocabulary so they may use words like "lying flat" to describe a two-dimensional shape and words like "solid," "taking up space," "tall," or "sticks up" to describe a three-dimensional shape. Throughout this unit, students will hear and use "flat" and "solid" to describe two-dimensional and three-dimensional shapes. The names of common three-dimensional shapes will be introduced in a future lesson.

Access for:

♿ Students with Disabilities

- Action and Expression (Activity 2)

🌐 English Learners

- MLR8 (Activity 2)

Instructional Routines

Which One Doesn't Belong? (Warm-up)

Materials to Gather

- Clay: Activity 1
- Geoblocks: Activity 2
- Materials from previous centers: Activity 3
- Solid shapes: Activity 2

Materials to Copy

- Flat Shapes Cards K (groups of 2): Activity 2

Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	10 min
Activity 3	20 min
Lesson Synthesis	5 min

Teacher Reflection Question

The standards ask students to "identify shapes as two-dimensional (lying in a plane, 'flat') or three-dimensional ('solid')." How does building shapes out of clay help students distinguish between two-dimensional and three-dimensional shapes?

Cool-down (to be completed at the end of the lesson)

🕐 0 min

Unit 7, Section B Checkpoint

Standards Alignments

Addressing   K.G

Student-facing Task Statement

Lesson observations

Student Responses

- Distinguish between flat and solid shapes.
- Use their own language to describe and compare attributes of solid shapes.
- Build solid shapes from components.