

Lesson 12: Build Solid Shapes

Standards Alignments

Addressing K.G, K.G.B.4, K.G.B.5

Teacher-facing Learning Goals

- Build solid shapes.

Student-facing Learning Goals

- Let's create solid shapes.

Lesson Purpose

The purpose of this lesson is for students to build solid shapes from components.

In previous lessons, students created solid shapes out of clay and described, compared, and sorted shapes. In the warm-up, students notice similarities between rectangular prisms and develop their own name for rectangular prisms. Box will be used as the example in this lesson. Students create solid shapes from connecting cubes and sticks and clay.

Access for:

Students with Disabilities

- Representation (Activity 1)

English Learners

- MLR7 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

Materials to Gather

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

Lesson Timeline

Warm-up

10 min

Teacher Reflection Question

What did students notice about rectangular

Activity 1	10 min	prisms in the warm-up? What new things did students notice about rectangular prisms as they built them in the first activity?
Activity 2	15 min	
Activity 3	20 min	
Lesson Synthesis	5 min	

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

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