

# GUESS MY DESIGN

**GRADES K-2**



## MATERIALS

6 items from around your home that are different 3-dimensional solids (for example: 2 balls, 2 cans of food, and 2 empty food or tissue boxes).



### OBSERVE

Give children time to find and explore their three objects.



### CREATE

Have children build a structure using the three objects that are each a different 3-dimensional solid. Do not look at their design!



### PLAY

Play Guess My Design by having children describe their structure to you. Using the other similar objects try to build their design based on their description.

## KEY CONCEPTS

- **Geometry**  
Explore attributes of three dimensional solids.
- **Design and Engineering**  
Explore principles of design and engineering through building with objects.
- **Attend to Precision**  
Use precise language when describing how to make the structure to a partner.

## QUESTIONS TO ASK

- How do I make your structure?
- What object do I use first? (next, last)
- Where do I place \_\_\_\_? (Emphasize geometrical vocabulary - cube, cylinder, sphere, etc.)
- Does it go \_\_\_\_? (Emphasize directional words - center, right, left, top, bottom, front, back, side)

## THINGS TO NOTICE

- Child's joy and excitement in designing and building.
- Vocabulary the child uses as they are building and describing their design.
- Child's attention to physical properties or attributes of objects that allow them to stack, etc.