

## Replicating Composite Objects

### SCO

SS3: Replicate composite 2-D shapes and 3-D objects.

Time: 50 minutes

### Materials

- sets of 6-8 identical building blocks (two sets per group)
- various objects around classroom (pencil, marker, glue stick, etc) the for warm-up
- folders to act as a barrier for activity 1

### Sequence of Lesson

#### Warm-Up:

- have a tower of approximately 6 objects built
- have a set of items to build a similar tower (have the students prompt me about where to put the items to make a similar tower)
- ask how they are similar and how they are different
- “so can you see how are differences between many different types of objects, but they can be used to represent other objects? (Ex: this marker is representing the glue stick, and the cookie is representing the sharpener)”
- what is an object that can represent the sun if you are pretending you are at the beach?
- what is an object that can represent a white board if you are playing school at home?

#### Activity 1:

- put the students in groups of 2
- explain that one partner will build a tower, and when they are finished they will give the other partner instructions on how to make the exact same tower, without showing theirs
- give them the 2 sets of identical objects
- let them get out some writing workshop folders to act as a barrier between the two sets of blocks
- they will take turns recreating the towers
- I will give them about 15-20 minutes to do this; they will make as many towers as they can during this time

#### Activity 2

- put two sets of partners together
- have animal names hidden, have a student from each group pick a piece of paper to see what animal they got
- the students will build a structure (a home) for that animal

- they will explain to the class why the structure suits that animal (size, shape, etc)

### Closing

- discuss the similarities and differences between the houses for each animal, as well as the attributes of the shapes they used

### Assessment

- informal: asking questions and listening to discussion during each aspect of the lesson