

Triangles and Squares and Cubes, OH MY!

Purpose

Students will recognize, identify, and draw geometric shapes in their environment.

Materials

For each student: copy of Black Line Master (BLM) *Triangles and Squares and Cubes, OH MY!*, pencil, clipboard

Activity

A. Pre-Activity Preparation

1. Choose a route inside your school or outdoors that you will walk with your students.
2. Walk the route to become aware of geometric shapes and congruent shapes in the environment.

B. Pre-Activity Discussion

1. Tell students that the class is taking a walk to search for certain geometric shapes and congruent shapes.
2. Tell the students that they will be choosing an object that has a geometric shape (or several) in it to describe and later draw.
3. Tell students to be looking for the following shapes as well as the shape that they will be drawing: square, cube, triangle, congruent shapes.

C. Group Activity

1. Point out at least one example of the above shapes in the walk and discuss the discoveries that the students are making.
2. Instruct students to write a description of the object they will be drawing later.
3. Encourage students to find an object that is different from their classmates' objects.
4. Instruct students to use the BLM *Triangles and Squares and Cubes, OH MY!* to write examples of objects that contain the shapes mentioned above.
5. Have the students keep a tally of the number of times they see each shape.

(continued)



INCORPORATING TECHNOLOGY

Take pictures of the students' objects with a digital camera and print out photos from a computer. Have students outline the geometric shapes on computer printouts.



MEETING INDIVIDUAL NEEDS

Ask students who have difficulty writing or drawing to give an oral report describing their object and examples of shapes. Magazine clippings, clip art, or pictures prepared by the teacher could be substituted for student artwork.

Standards Links
2.1.11, 2.1.12

Activity (continued)





D. Follow-Up Activity

1. Ask the students to draw the object that they chose.
2. With a black crayon or marker, have the students outline the specific shape(s) that are a part of their chosen object.
3. Have students turn in the completed BLM *Triangles and Squares and Cubes, OH MY!*

Questions for Review

Basic Concepts and Processes

After the activity, discuss the following questions with your students to gauge their understanding of the Standard Indicators:

-  Were you able to find at least one object that had a geometric shape in it?
 -  Could you outline one of the geometric shapes in your drawing?
 -  How would you describe the objects that you found?
 -  Did you use the names of the shapes that were a part of the objects?
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Name: _____

Triangles and Squares and Cubes, OH MY!

Use the table below to write information about the objects that you see.

	TRIANGLE	SQUARE	CUBE	CONGRUENT SHAPES
Name of Object with Shape				
Description of Object				
Where You Saw It				
Tally Marks for Other Objects with this Shape				

Choose an object that has a geometric shape in it that you would like to draw. In the classroom, you will be drawing this object and outlining the geometric shape in it.

Object you chose: _____ Write a description of your object. _____

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Teacher Directions

Distribute the BLM *Triangles and Squares and Cubes, OH MY!* and have students use it to record information about the objects and shapes that they see during the activity.

Answer Key

Answers will vary. Check to make sure that students have correctly identified the shape in their drawing.