

# HBCSD TECHNOLOGY LESSON PLAN

## KINDERGARTEN ( Lesson 2)

**Grade Level** - Kindergarten

**Lesson Title** - Pictures in Nature

### Standards

[CCSS - K.G.A.1](#) - Measurement & Data - Classify objects and count the number of objects in categories.

[CCSS - K.MD.A.1](#) - Geometry - Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as *above*, *below*, *beside*, *in front of*, *behind*, and *next to*.

### Technology Competencies

- Use input device (camera)
- Turn on/off computer correctly
- Use digital-imaging technology (such as PhotoShop)
- Create product (such as a sign) using a grade level appropriate tool (such as Word Doc or Publisher)

### Purpose

Students will go on an outside scavenger hunt for mathematical shapes in the environment/nature. Pictures will be captured for students on a digital camera for students to sort on the computer.

### Resources

Mathematics Text

<http://www.littlegiraffes.com/shapes.html>

<http://www.readinga-z.com/book.php?id=1704>



### Supplies

- Camera
- Computer with access to printer & connection for camera
- Digital-Imaging Technology (PhotoShop)
- Microsoft Word or Publisher

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### Direct Instruction

1. Teacher will review shapes.
2. Teacher will show students examples of shapes as objects in the classroom.

### Guided Practice

1. Teacher will take students outside on a scavenger hunt for shapes outside in nature.
2. Teacher will take pictures with her digital camera of nature that has the shape of a circle, square, rectangle, or triangle.
3. The teacher will then crop the pictures using PhotoShop and show the pictures, one at a time, to the whole class on a SMARTboard.
4. The students will identify the shape of the nature item and the teacher will outline the shape with his/her SMARTboard marker to make the shape clear to all learners.

### Differentiated Instruction

EL- Students will sort pictures on a pre-made Word or Publisher document.

GATE- Students will sort and identify shapes made in the pictures, not limited to circle, square, triangle, & rectangle.

### Assessment

Students will create a Word or Publisher document with the headings triangle, circle, squares, and rectangles. Students will sort the digital photographs taken by the teacher pictures into the categories created on his/her document.