

# Using our turtle in the classroom

Grade: Kindergarten

Objectives:

## **Math: Solid shapes**

### **Identify and describe shapes.**

CCSS.MATH.CONTENT.K.G.A.1

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.

CCSS.MATH.CONTENT.K.G.A.2

Correctly name shapes regardless of their orientations or overall size.

CCSS.MATH.CONTENT.K.G.A.3

Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid").

### **Analyze, compare, create, and compose shapes.**

CCSS.MATH.CONTENT.K.G.B.4

Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length).

CCSS.MATH.CONTENT.K.G.B.5

Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes.

CCSS.MATH.CONTENT.K.G.B.6

Compose simple shapes to form larger shapes. For example, "Can you join these two triangles with full sides touching to make a rectangle?"

## **Science: 5 senses in humans and turtles (We are Mrs. Miller's Turtles)**

5.4. Grade Level Indicator: Doing Scientific Inquiry: Use the five senses to make observations about the natural world.

Students had recently wrapped up a unit on solid shapes in math and how turtles use their 5 senses in nature. We decided to combine the two and worked in four different teams to build the perfect maze for our class turtle, Swisher-the red eared slider.

Children were able to choose how they would build their groups maze: using only a single shaped box or several shapes at one time, one color or multiple colors, (sight).

After students built their maze, we let Swisher explore each maze and children were able to "guide" the turtle with stick food or cut grapes (taste and smell).

During some of the groups, they asked friends to be quiet and not move to see if Swisher would be effected by sound/vibration (Hearing).

Students came to the conclusion that shape of blocks did not matter, lots of color caused our pet to escape the maze and not follow the route, he was willing to walk for his Turtle stick food AND the grapes and when they were loud and moving around he tended to be scared and hide inside his shell.

Please see videos attached that are links on our class FaceBook page Mrs. Miller's Kinders

<https://www.facebook.com/717190144973316/videos/1422164957809161/>  
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