



Save the Honey Bees!

6th – 8th Grades
Post-Trip



Objectives:

Mathematics Grades 5-6
Measurements

6.M.7 Find the sum of the angles in simple polygons (up to eight sides) with and without measuring the angles.

Geometry

6.G.1 Identify polygons based on their properties, including types of interior angles, perpendicular or parallel sides, and congruence of sides, e.g., squares, rectangles, rhombuses, parallelograms, trapezoids, and isosceles, equilateral, and right triangles.

Mathematics Grades 7-8

Geometry

8.G.1 Analyze, apply, and explain the relationship between the number of sides and the sums of the interior and exterior angle measures of polygons.

Post-Trip Lessons/Activities:

1. A Honey Bees Home

-To demonstrate the idea of a three-dimensional cell, like that of a honeycomb, you can use a few egg carton bottoms that you link together. If you do not have a plastic honeycomb or a real one, explain how the egg carton bottoms are similar to the combs that bees live and work in. Tie in the idea of cells as rooms, each having different functions, like baby bee development or the making of food.

-As a class create your own honey comb. Assign students four different colors of construction paper to represent eggs, larvae, pupae or honey. Also give each student a cell pattern to use as a template and have them cut out a cell from their paper.

-Then have students attach their polygons together, arranging the cells so those containing eggs, larvae and pupae are grouped together in the middle and those containing honey are towards the outside.