

**Lesson:** Exploring the Rainbow and Nature

**Grade:** Kdg.

**Objectives:**

Students will:

Learn what causes a rainbow to appear

Learn the colors of the rainbow in the order they appear

Explore the outdoors for information on the role that color plays in nature

**Materials:** prism, flashlight, pencil, bags, “color cards” for each group with an example of the colors they are searching for; a few nature examples

**Presentation:** Explain how a rainbow occurs (as light passes through raindrops, the light is bent and separates into the colors of the rainbow) ROYGBIV is how you remember the colors: red, orange, yellow, green, blue, indigo and violet. Turn off lights, and use a flashlight through a glass prism to simulate sun and raindrops and create a rainbow. These rainbow colors appear in nature in other places besides the rainbow. They are joined by black, white, gray and brown to make our world colorful .

**Directions:**

1. Explain that the class is going on a color hunt outdoors. Students will be looking for items from nature that are the rainbow colors, plus black, white, gray, and brown. Show examples, such as a leaf, stone, twig, flower petal, etc.
2. Divide students into small groups or partners, having them collect items in a bag. If it is something they can't bring back, they can write or draw it on their color card.
3. Allow time to share what they've found. Have students discuss: What colors are the most common in nature? How does the color of an animal affect its ability to hide?
4. If time allows, groups can exchange their bags, and play a sensory guessing game, by closing their eyes, pulling out an item from the bag, and guessing what it is by touch only.

**Time:** 45-60min.