WHAT IS HAPPENING HERE?

INSTRUCTIONS

Overview:

Students participate in an activity to observe how colors can be mixed to make other colors.

Objectives:

The student will describe the colors created when mixing one color with another color.

Targeted Alaska Grade Level Expectations:

Science

[3] SB1.1 The student demonstrates an understanding of the structure and properties of matter by classifying matter according to physical properties (i.e., color, size, shape, weight, texture, flexibility).

[3] SA1.1 The student demonstrates an understanding of the processes of science by asking questions, predicting, observing, describing, measuring, classifying, making generalizations, inferring, and communicating.

Materials:

- *Little Blue and Little Yellow* by Leo Lionni
- Food coloring or liquid watercolors in red, yellow, blue, green
- Small portion cups (3 for each student)
- Eyedropper or pipette for each color
- STUDENT WORKSHEET: "What Color Did You Make?"

Activity Preparation:

1. Put water and food coloring in cups.

Activity Procedure:

1. Ask students to name their favorite color. Make a bar graph on the board and label it with the colors named. Have students put their name on a sticky note and add it to the color that is their favorite.
2. Read the book *Little Blue and Little Yellow* by Leo Lionni and discuss the colors that were mixed and created.
2. Tell students they are going to do an investigation to observe with their sense of sight to mix colors.
3. Give each student three portion cups of color (red, yellow, blue) and three pipettes or eyedroppers. Students should mix the colors using the eyedropper or pipette. Some students will quickly make a brown gray color. Others may slowly mix the colors to create a new color. Have students complete the STUDENT WORKSHEET: "What Color Did You Make?" as they mix the colors.
4. Bring students back together after they have completed the investigation. Share and compare their worksheets. Ask: What colors did you make? What other colors could you use to create new colors?
5. Leave the materials used at the classroom science center for students to do more investigations.

Extension Ideas:

1. Read the book *Animal Wise: Red Eyes or Blue Feathers-A Book About Animal Colors* by Patricia M. Stockland. Discuss how colors help animals survive.
2. Have students explore with color filters and flashlights.
3. Paint a watercolor of a rainbow.
4. Create a class book about colors.
5. Hang a prism in a window that receives sunlight and discuss the colors that are refracted.

NAME: _____ STUDENT WORKSHEET

WHAT COLOR DID YOU MAKE?

Directions:

1. **Write the name of the color in the first box.**
2. **Write the name of the color you added in the second box.**
3. **Place a drop of the color you made in the third box.**

Color	Color Added	Color Made