



Colors of the Rainbow

Overview: Young students experiment with color mixing to learn the relationship between primary and secondary colors. Working collaboratively, they each create a rainbow pendant.

Theme: Rainbow

Grade Level: K - 1st

Concept: Cause & Effect

Time needed for lesson: 60 minutes

Objective: Students will recognize cause and effect relationships. The students will mix colors to create a rainbow pendant.

Essential Question: What happens when...?

Preparation for lesson:

Teacher engages students in discussion of cause and effect relationships through literature.

Lesson Activities:

1. Teacher demonstrates how a prism divides light into a rainbow of colors.
2. Working in groups of 4-6, each student is given a small piece of primary colored Sculpey (red, yellow & blue).
3. Students are introduced to rolling and coiling of the colored clay-like material.
4. Each student combines 2 colors to make a secondary color.
5. Each student contributes their secondary color to the group pot.
6. All colors are joined together to make a rainbow cane.
7. Teacher slices cane into $\frac{1}{4}$ " slices.
8. Each student receives a piece to manipulate into a bead in the shape of their choice.
9. Each student uses a straw to poke a hole in the center of their design.
10. Using a toaster oven, teacher places pieces on a file folder and cooks them for 10 minutes at 270 degrees. Student's names are written on the folder under their creation.
11. After brief cooling period, students thread a string through the hole to make a necklace.

Extension of Lesson:

Students learn the value of sharing and recycling by designing jewelry or other items for gifts from leftover materials.

Materials Needed:

Toaster oven, assorted colors of Sculpey, small straws, string or yarn, knife for slicing

Vocabulary:

Color wheel, prism, rainbow, Sculpey, coil, roll, primary, secondary

Benchmarks:*Language Arts:*

Vocabulary - Students will expand knowledge of words.

Literature - Students recognize cause/effect relationships.

Listening - Students will follow one and two step directions.

Visual Arts:

Students will manipulate a variety of materials.

Students will name and describe elements of art: line, color, shape.

Students will demonstrate respect for student work and the work of others.

Motor Skills:

Students will participate in activities that involve small motor skills.

Whole Child:

Thinking/Cognition: Students learn concept of cause and effect.

Feelings/Emotions: Tactile pleasure, joy in creating, satisfaction in completion of project

Doing/Physical: Manipulating material: rolling, poking, threading

Creating/Intuition: Creating secondary colors from primary colors, designing a form

Assessment:

After project completion, teacher leads class discussion with essential question:

“What happens when...”

