

MANCHESTER COLLEGE  
Education Department

LESSON PLAN by: Celsie Myers

Lesson: Mixing Colors

Length: 5-7 minutes

Age or Grade Intended: 1<sup>st</sup> Grade

Academic Standards:

Constancy and Change

1.6.2 Observe that and describe how certain things change in some ways and stay the same in others, such as in their color, size and weight.

Performance Objectives:

Given the three primary colors of icing (red, yellow, blue), students will experiment with the different colored icing to create other colors formed when primary colors are mixed together with 100% participation.

Assessments:

Observation of students creating different colors through experimenting with the primary food colors.

Color wheel diagram with the secondary colors filled in around the circle.

Advanced Preparation by Teacher:

1. Color Wheel
2. Graham Crackers
3. White Icing
4. Food Coloring (red, yellow, blue)
5. Mixing bowls
6. Spoons
7. Paper towels or napkins

Procedure:

Introduction/Motivation:

Review the primary colors on the color wheel. Have the students predict what colors would be created if the primary colors were mixed together.

Step-by-Step Plan:

1. Each student will be given 2 graham crackers. One is used for mixing and the other is used for the final colors produced.
2. Each student will take a small portion of different color (red, yellow, blue) icing and put it on the mixing graham cracker.
3. The students will predict what color will be produced when red and blue are combined.
4. The students will mix the red and blue frosting on one part of the mixing graham cracker and spread it on  $\frac{1}{4}$  of the other graham cracker.

5. The students will predict what color will be produced when red and yellow are combined.
6. The students will mix the red and yellow frosting on one part of the mixing graham cracker and spread it on  $\frac{1}{4}$  of the other graham cracker.
7. The students will predict what color will be produced when blue and yellow are combined.
8. The students will mix the blue and yellow frosting on one part of the mixing graham cracker and spread it on  $\frac{1}{4}$  of the other graham cracker.
9. The students will predict what color will be made when red, blue and yellow are combined.
10. The students will mix the red, blue, and yellow frosting on one part of the mixing graham cracker and spread it on  $\frac{1}{4}$  of the other graham cracker.
11. Once all the colors are on the graham cracker, it should be equally divided into 4 different parts.

Closure:

The students will fill in the missing colors of the color wheel diagram. This little diagram can be used as a reminder of the colors, which can be taped on their desktop. The students will do this while enjoying their graham cracker treats of the different colors of frosting.

Adaptations/Enrichment:

Adaptations: Students needing help with the mixing of the colors can have a student helper or teacher aide help him mix. For a student lacking fine motor skills, they would be given four graham crackers, two to mix on and two for the final production of the color. The student could still divide the graham crackers in half so he would still get the concept of dividing the graham crackers into fourths.

Enrichments: The students could see what other colors could be made by adding more red than yellow or more blue than red, etc. They could mix more colors using primary and secondary colors to see what other colors would be produced.

Self-Reflection:

How could I have made this lesson more productive? Did the students understand the concept of mixing colors after I taught this mini-lesson? Does the class understand the color wheel or do they still need more practice? What other hands on activities can I do to help the students understand the color wheel?