



Cookie Color Wheel

You won't have to search for the end of the rainbow to find the gold in this activity! Come along as we problem solve to mix our VERY OWN colors and create a cookie color wheel!

Materials

- 2 Plates
- Fork
- Nilla Wafers
 - Substitute with graham crackers or any other cookie you'd like to use!
- White Icing
- Food Coloring (Blue, Red, Yellow)

Objective

- Create a color wheel out of iced cookies!

Let's Start!

- First:
 - What is color?
 - Reflected light on objects.
 - If you turn off the lights, can you see color anymore?
 - What are the colors you can think of?
 - We have PRIMARY and SECONDARY colors.
 - Primary colors are: Red, Blue, and Yellow.
 - **No colors can be mixed to create the primary colors.**
 - Secondary colors are: Green, Purple, and Orange.
 - **We use our primary colors to mix and create our secondary colors!**
 - Here is a mixing recipe guide!
 - Blue + Yellow = Green
 - Blue + Red = Purple
 - Red + Yellow = Orange
- **STEP 1:** Take your plate and nilla wafers. Around the center of the plate, place 6 nilla wafers in a circle.



- **STEP 2:** On your second plate, place a pile of icing. CAREFULLY, using your fork to split up the icing into 3 separate, even piles around the plate. Try to make the piles in a circle like your nilla wafers.



- **STEP 3:** We will start with our PRIMARY COLORS. Red, yellow, and blue should be the colors of food coloring we are using. We will be mixing our own SECONDARY colors later.
 - Start by mixing the red into one of your piles. The next pile will be yellow. Once that is completely mixed in, the pile after that will be blue.



- **STEP 4:** Next, you will use the colors you made and you're going to ice your PRIMARY colored cookies! Take your time. Ice one cookie, skip one cookie, ice one cookie, and skip one cookie. You should by the end have a blank cookie in between each iced cookie!
 - **Remember** to wipe off your fork between each cookie! We don't want the colors to mix just yet.
 - **Don't** use all of your icing! Just a bit. We need to save some for mixing our secondary colors!



- **STEP 5:** Now we will mix our SECONDARY colors. Take half of each of our leftover colors on our mixing plate, and mix each color IN BETWEEN the existing icing piles. That way it keeps it organized for us so we make sure we've made each secondary color. Remember our color mixing guide on page 1! BUCKLE UP! This could get messy!



- **STEP 6:** Finally, you will ice our remaining cookies with our newly made colors! Make sure you put the correct icing on the cookie between each of our primary colored cookies.
 - **For example:** Our green iced cookie should go between our blue and yellow cookies!

- There you have it! You made a cookie color wheel! Now you can take a picture, and enjoy your tasty artwork!



Wrap Up

- Did you enjoy creating this? Why?
- Were there any challenges you faced? What do you think you would do differently next time?
- Were your cookies delicious?