

# Magic Melting Skittles Experiment



Rainbow

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Preschoolers  
2.5 - 4 years

This activity is great for your child to explore the cause and effect of colors and creating patterns. This experiment can also lead into discussion about rainbows, secondary colors and beyond!

## Learning Outcomes

### Domain:

Cognitive

### Skills:

Questioning  
Observing

### Indicator:

Focusing their observation on details.  
Increasing the time they spend observing.



## Materials

- Water
- Measuring cup
- Bowl
- Skittles



## Instructions

**Step 1:** Open a pack of Skittles onto a table or plate.

**Step 2:** Place the Skittles in as large of a circle as possible inside your bowl. Announce the names of the colors as you place them or encourage the children to if they are able to.

**Step 3:** Using your measuring cup, slowly pour water into the center of the bowl until it just covers the Skittles so that they stay in place.

**Step 4:** Watch the magic happen! The color from the Skittles will slowly start to bleed into the middle of the bowl. Ask probing questions as this happens, such as “why do you think the colors are melting,” or

“what color do you think we’ll get once these two mix?” No answer is too obscure!

**Do this activity over and over again to see how the colors behave differently!** Arrange the Skittles randomly, in a rainbow pattern, or grouped by the same color. You can also use only primary colors in the bowl and then watch as they form the secondary colors.

**Need a refresher?** The primary colors are red, yellow and blue. The secondary colors are green, orange and purple.

## Playful Questions

- What is your favorite color?
- Will we get a new color when we mix them together?
- How should we arrange the colors?
- How much water do you think we should pour in?
- Do you think the Skittles will taste the same after the color is gone?