

# Candy Art!

Why do candies stain your hands when you hold them?

## What You Will Need:

- Pack of skittles
- 2 shallow plates
- Hot water
- Cold water
- Milk
- Sprite



## The Steps (Procedure):

1. Arrange the candies in a ring around the plate. You can vary the ordering of the colors and create whatever design you'd like!
2. Carefully heat the water with the help of an adult.
3. Pour the hot water so that it lines the bottom of the plate completely but does not cover the candies.
4. Repeat the experiment using cold water, then milk, then soda.



## What did you see (Observations)?

- How long did it take for the colors to flow from the candy using hot water?
- How about the cold water and milk compared to the soda?

Notice anything else that was interesting?

Use these lines to jot it down!

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## How and Why:

Water dissolves the sugar coating on the candy and carries the colors with it. Candies can stain our hands because our sweat is mostly water and dissolves the sugar. The hot water works better than cold water because



solubility- the way a substance dissolves- normally increases as the temperature of the liquid increases. Milk does not release the colors as well because the fats in the milk block the water from dissolving the colors.

**Ready for More?** Vary the color ordering of the candies to create different art creations! Try the experiment with different candies.