

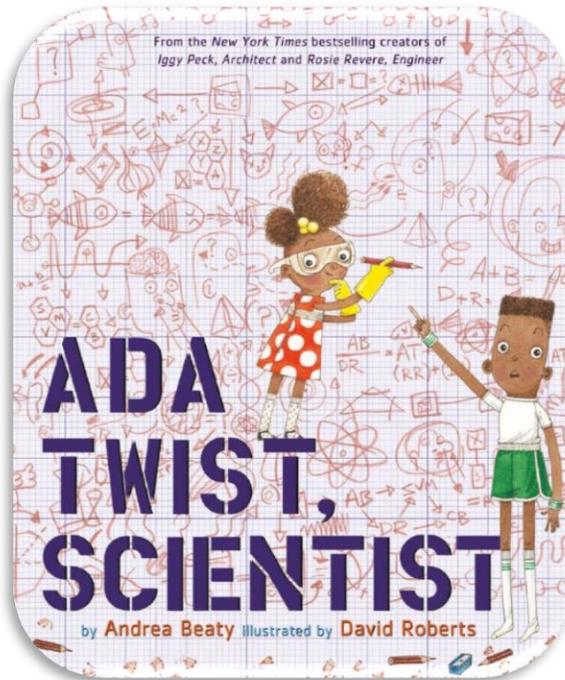
# WEEK FIVE

## FCP Reading Challenge

#fcpreadtome

### PERSERVERANCE-

A determined attitude that makes you continue trying to achieve something difficult.



Like her classmates, builder Iggy and inventor Rosie, scientist Ada, has a boundless imagination and has always been hopelessly curious. Why are there pointy things stuck to a rose? Why are there hairs growing inside your nose? When her house fills with a horrific, toe-curling smell, Ada knows it's up to her to find the source. Not afraid of failure, she embarks on a fact-finding mission and conducts scientific experiments, all in the name of discovery. But, this time, her experiments lead to even more stink and get her into trouble!

To design your experiment, you'll need to decide on what you want to test. Here is a list of ideas:

**-Type of soda** – Diet Coke is thought to work the best. Test this idea by choosing different types of soda. Try regular cola vs. diet, different brands of diet cola, cola vs. orange vs. lemon-lime, etc.

**-Amount of Mentos** – Does changing the number of Mentos dropped in at a time affect the height of the geyser?

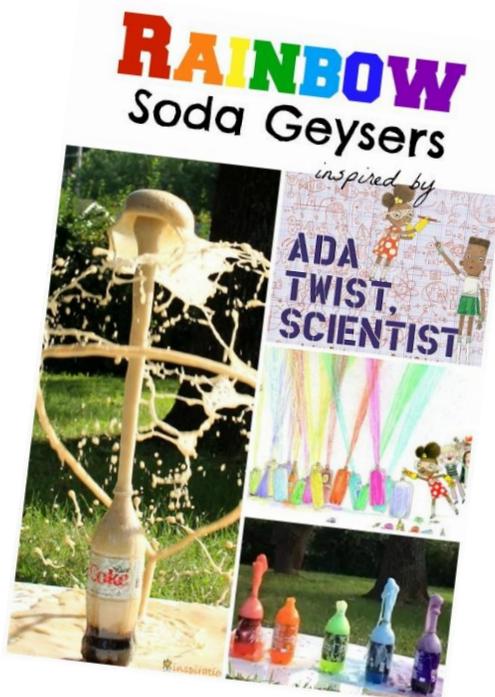
**-Temperature of the soda** – Does warm soda produce a higher geyser than cold soda?

**-Size of the bottle** – Will a 2 liter bottle make a higher geyser than a 1 liter bottle?

**-Type of candy** – Are there candies besides Mentos that will make a soda geyser? Do different flavors of Mentos impact the soda geyser?

### What You'll Need:

- Soda
- Mentos
- Tape (to hold your Mentos or create your



### Watercolor Ice Tunnels- art and sensory experiment



Instructions attached separately

Try this on sunny day with lots of bright sunlight and you'll experience amazing color, light refraction and salt crystallization with the ultimate "hands-on" experience for children of all ages. What happens when the salt, color and ice sit out for a while and begin their transformation? Salt is an interesting mineral with many unique properties. It lowers the freezing temperature of water, so it corrodes little crevices into the ice as it melts down portions of it. These crevices, or "nooks and crannies," show up beautifully when liquid color is dropped into them. As the ice chunks sit in the sun, the salt will create more crevices and as it does, the liquid color moves, blends and sparkles in the light. Hold up to the sun for a wonderful discovery that looks almost like a crystal!