#NCScnonnects Virtual Activity

**Activity:** Instant Magic Slushie

**Category:** STEAM

**Suggested Grade Level:** Grades 4-8

**Description:** A Slushie is about as close as you can get to liquid ice: it’s colder than water, but more drinkable than ice! Using some common household items along with patience and science, you can make this delicious, sweet drink at home without a blender. It is just magical!

**Supplies:**
- Table salt
- 1 small plastic sandwich bag
- 1 large (gallon-sized) plastic bag
- Ice cubes (approx. 25-30)
- Gloves or a kitchen towel
- 1 cup of fruit juice (e.g., orange, apple, grape, lemonade)

**Instructions:**
1. Mix the ice cubes and salt in the large gallon bag.
2. Place juice in the smaller bag, taking out all the air, and seal tightly.
3. Place the small bag of juice inside the large bag of ice and salt, then close the bag.
4. Shake for five minutes or until juice freezes and transforms into a slushie.
5. If it gets too cold, wrap a dish cloth around it and continue shaking.
6. Pour into a cup or glass and serve right away. Enjoy!

**Takeaways:** Adding salt lowers the freezing temperature of the water – which is why we put it on wintery roads to keep them from freezing. For our Slushie, it allows the temperature of the mixture around the juice to get colder. Since the juice isn’t just water, it needs to be a little below 32°F to freeze.