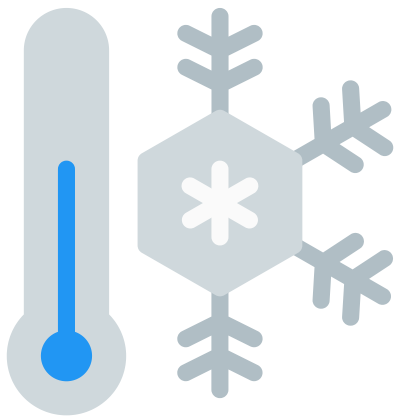


Make Your Own Frost

Materials:

- Ice
- Salt
- Metal Can (with a lid or plastic wrap and a rubber band)
- Adult Supervision



The Science Behind the Experiment:

- Water freezes to become ice at 32 degrees Fahrenheit
- All around us there are water droplets in the air, this is measured in the form of humidity
- When you mix the salt with the ice, a chemical reaction occurs that lowers the temperature in the can making it even colder than just the ice
- This makes the water droplets in the air condense and freeze against the sides of the can forming frost!

Instructions:

1. Fill the can with ice
2. Pour salt over ice (a tablespoon or two depending on size of can)
3. Cover can and shake vigorously
4. Let sit and watch as frost forms on the sides (can take up to 10 minutes depending on temperature, amount of ice, and salt)

