Fizzy Ice

**Materials:**
- Crushed or cubed pieces of ice in a bowl
- Vinegar
- Food coloring
- Medicine dropper
- Baking soda

**Activity:**
1. Mix vinegar and food coloring to make colored vinegar. Put this in little cups.
2. Fill up a bowl with crushed or cubed ice and build mounds of ice.
3. Add some baking soda on each mound and then put more ice on top.
4. Use your medicine dropper to drop colored vinegar onto your ice mounds.
5. Watch closely and describe what you see!

**Questions to ask:**
- That do you notice as you drop the vinegar on the ice?
- What do you think is happening to the ice?
- What do you hear? Does it sound fizzy?
- Does that sound remind you of anything?
- Would the same thing happen with plain ice from the freezer?

**Science behind the activity:**
The chemical reaction that occurs between baking soda and vinegar produces a gas called carbon dioxide. This happens when a base (baking soda) and an acid (vinegar) mix. This reaction causes bubbling and fizzing that you can observe, hear, see, smell and touch!