#NCSconnects Virtual Activity

**Activity:** Fountains of Fun

**Category:** STEAM

**Suggested Grade Level:** Grades 2-6

**Description:** Make your own water fountain and understand how it works.

**Supplies:**
- Plastic bottle with lid
- Water
- A straw

**Instructions:**
1. Fill the plastic bottle about 2/3 full of water.
2. Put the straw in.
3. Poke a hole in the middle of the bottle lid, large enough to fit the straw.
4. Cover the mouth of the bottle with the lid and thread the straw through the hole to make an airtight seal. You can check the seal by trying to suck out water. This action should be impossible.
5. Blow a bubble of air into the water for as long as you can.
6. When you have as much air in the bottle as possible, take your mouth away and watch out! You’ll see water shooting out of the straw.

**Takeaways:** When you blow into the bottle, the air is forced into a much smaller space than it would normally occupy. As soon as it can, the air expands to occupy its normal space. As it does this, it pushes down hard on the water’s surface, forcing water up the straw and out of the bottle. The more air you can blow in, the more spectacular your fountain will be!