



## **CORK ROCKET**

### **Blast off!**

#### **WHAT DO YOU NEED?**

- A plastic pop bottle
- White vinegar
- Baking soda
- Paper towels
- Open space
- Cork (or use clay to make a plug)
- A grown-up to help out



#### **WHAT DO YOU DO?**

1. Fill the pop bottle half full of white vinegar.
2. Put a tablespoon of baking soda into a paper towel and wrap it up to make a tightly wrapped packet.
3. Take the bottle and cork outside where you have some space and drop the baking soda packet into the bottle.
4. Quickly plug the bottle with the cork. Make sure the seal is tight, set the bottle on the ground, and back away to a safe distance.

#### **WHAT'S GOING ON?**

As the vinegar soaks through the paper towel packet, it slowly comes into contact with the baking soda and begins to create carbon dioxide gas. This gas builds and builds until it is so crammed in the bottle that it pushes out the cork and launches it into flight!

Source: Brunelle, Lynn. Pop Bottle Science. New York: Workman Publishing Company, Inc., 2004.

