

## Family Science Activity – Friday 17<sup>th</sup> April 2020

**Fizzy Bottle Rockets – click on the links below to view a video and download the information sheet.**

<https://www.rigb.org/families/experimental/fizzy-bottle-rockets>

[https://www.rigb.org/docs/fizzybottlerockets\\_infosheet\\_v2\\_0.pdf](https://www.rigb.org/docs/fizzybottlerockets_infosheet_v2_0.pdf)

### **Questions to ask children:**

When tablet is put in glass of water: What do you think is in the bubbles?

Where do you think the bubbles are coming from?

What do you think would happen if we used more than one tablet? Why?

What do you think would happen if we used warm water? Why?

### **Before making rocket:**

What do you think will happen if we put some tablets and water in this bottle and close the lid? Why?

What things could we change to make the rocket go higher?

### **Going further:**

Experiment with different sizes of bottle and different combinations of water and tablets to find out what combination gives you the highest flying rocket.

Does it matter how many tablets you use?

What about if you break the tablets into smaller pieces?

How does the temperature of the water affect things?

Watch a flame powered bottle rocket: <http://bit.ly/FlamingBottleRockets>

Learn more about propulsion by building a balloon powered car: [http://bit.ly/ BalloonCars](http://bit.ly/BalloonCars)