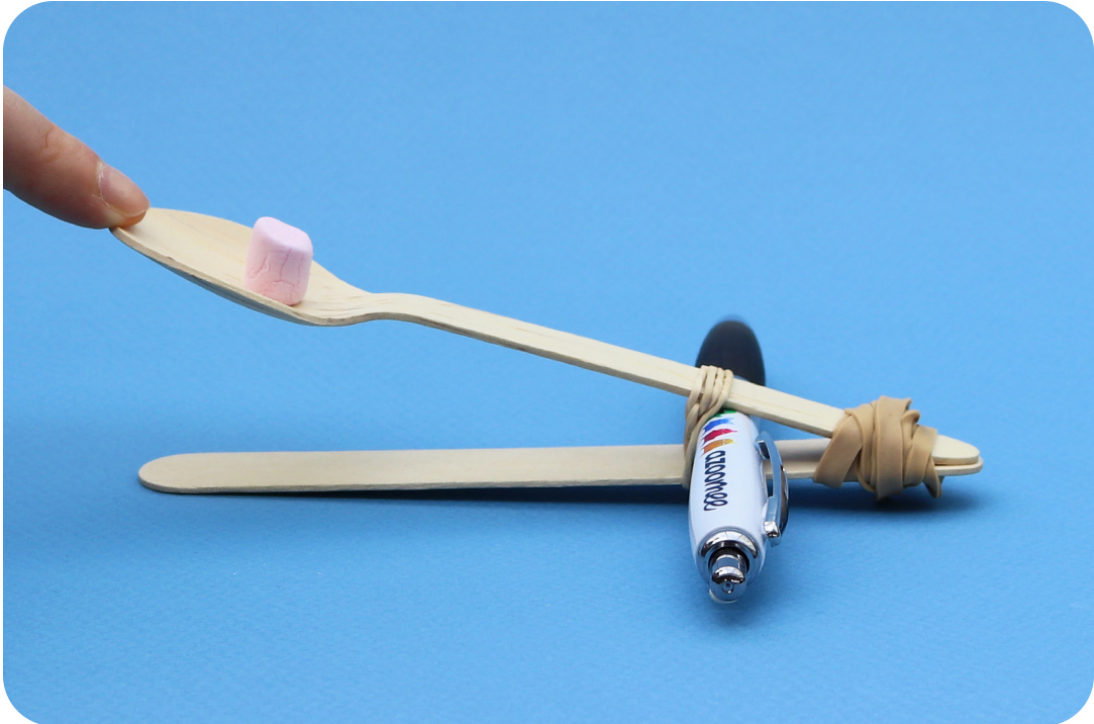




Create a Mini Marshmallow Catapult



Jump on Azoomie and check out Jiwi's Machines Episode 3A and Episode 3C to learn about fulcrums and levers. A really cool machine that incorporates these elements is a catapult!

Curriculum Links

In both Key Stage 1 and Key Stage 2 children are taught how to work scientifically. This involves carrying out simple tests and experiments, making predictions and reporting observations. Forces are explored in Year 3 and 5.

You will need

- A pencil
- A large lollipop stick
- A disposable spoon (wooden or plastic)
- Some elastic bands
- Mini marshmallows for launching

Instructions

1. Place the spoon on top of the lollipop stick and secure them at one end with an elastic band.
2. Separate the spoon and stick and place a pencil in between them. This is creating the fulcrum.

3. To make sure your fulcrum doesn't slip out put another elastic band on the other side of the pencil to hold in place.
4. Now you are ready to launch! Place a mini marshmallow on the spoon and hold the catapult in place. Press down on the spoon and let go to watch your mini mallow fly!

Hypothesise

What do you think will happen when you move the position of the fulcrum? Why not experiment with moving it closer or further away from the elastic bands and observe what difference this makes to the propulsion of your mini mallow!

Challenge

Why not place a cup of hot chocolate on the table and try to aim your mini marshmallows into the cup?

How can you make this easier or harder for yourself? Does moving the fulcrum have an effect?

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