

## **Are you a biscuit-free household? NO PROBLEM.**

The aim of this experiment is to encourage you to think as scientists: what does a fair experiment look like? Can I watch closely and record my results accurately? What do they show me?

An alternative to the biscuit challenge could be having a 3 cups of ice put in different parts of the house, or wrapped in 3 different materials, and observing which takes the longest to melt. The steps below of hypothesis, method, results and conclusion can still be followed.

## **THE BISCUIT CHALLENGE**

### **Research question- WHICH BISCUIT IS THE BEST DUNKER?**

This is what you are trying to discover!

### **Hypothesis – What do you think will happen?**

Make a prediction!

### **Materials - You will need:**

- 3 or more different types of biscuit.
- A cup of tea (ask a grown up to help you with this bit and be very careful as it will be hot!)
- A timer (you could use a watch, a clock or a timer on an iPad or phone)

### **Method – How will you find out?**

Over to you guys! We've told you what you need – how will you use those materials to design an experiment? How will you make it a fair test? Write your method in your home learning book.

### **Results – What happened?**

What happened in your experiment? Write it in your home learning book.

### **Conclusion – what have you found out?**

Which biscuit is the best dunker? Which is the worst dunker? Do you have a theory about why that might be? Write your conclusion in your home learning books.