

St Mary's Science... at home!

December

Festive Hot Chocolate!



Materials: Milk (or water), Marshmallows, Microwave, Spoon, Timer

How to make the experiment a fair test.

For the activity to be a fair test, only one variable should change, and everything else should stay the same. For this investigation, we are changing the temperature of the hot chocolate so the amount of milk, type of cup, amount of hot chocolate powder and marshmallows should stay the same for each test condition.

What to do: Measure the same amount of milk into three identical cups. Heat one cup of milk in a microwave for 1 minute, one for 40 seconds and one for 20 seconds (or whatever time you think will work best considering the age of the children and the power of the microwave). Add the same amount of hot chocolate powder to each and give it a good stir. Place the same number/weight of marshmallows gently into each cup. Make observations of each cup at 30-second intervals.

