

Tuesday 10th November

WALT: (Science) Plan enquiries, including recognising and controlling variables where necessary (SC1, M3)

Advancing: Modify a fair test to demonstrate your knowledge.

Dissolving: Science Investigation

Enquiry Question (what do you want to find out?):

How does the type of liquid affect the rate of dissolving?

Which variables are you going to control to ensure it is a fair test?

• Water-Liquid temperature

50ml ↔ Water

• stirring stick

• The type of solid

50ml ↔ Lemonade

• The amount of solid

50ml ↔ Orange Juice

• Type of Container (size)

50ml ↔ Milk

• Amount of liquid

• Amount of stir/speed of stir

We will only change (independent variable):

• The type of liquid.

50ml Water

50ml Milk

50ml Lemonade

50ml Orange Juice

We will need the following to carry out our test:

• Measuring jug

• Liquid

• Wooden Stick

• Solid (salt)

I predict (what do you think is going to happen?):

I predict that the water will ^{slower} dissolve ~~quicker~~ and the lemonade will make it ^{make the solid} dissolve quicker.

I predict this because water has no acid and the lemonade has acid.