

Designing an Experiment

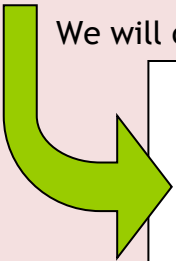
We are investigating what happens to the time it takes a tub to pop, when we change

Prediction (... remember to **explain** for *** - Hypothesis)

We could change ...

We could measure ...

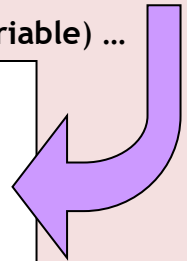
We will change (**independent variable**) ...



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We will measure (**dependent variable**) ...

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What is the data range (*)?

We will change our independent variable three times

What is the data interval (**)?

We will take three repeat readings for accuracy

Variables we will keep the same (**controlled variables**) are ...

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How (***)?

How (***)?

How (***)?

Equipment needed (*/**) (... with reasons ***)

Identify the risks (*/**) (... with solutions for ***)

Method

Skills success criteria: Designing Experiments	Me	Teacher
I plan a fair test by choosing which variables to change *		
I plan a fair test & show how controlled variables will be kept same **		
I plan a reliable fair test, confidently using the language of variables ***		