

STEPS INQUIRY



Investigation Design and Perform

Step 1: Observing & Questioning

Place sticky notes of the same colour in the space below.

Place sticky notes of a new colour in the space below.

WHAT DID I OBSERVE?

(What do you notice about the object or event? Use your senses to describe the object or event.)

WHAT AM I WONDERING?

(What questions or predictions do you have about the object or event?)

> How can the questions be answered? (Question Sort)

LABELLED DIAGRAM:















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Step 2(a): What could I measure or observe about the object, or event?

Brainstorm (Place sticky notes of the same colour in the space below.)

Possible Dependent Variables

Step 2(b): What could I change or vary about the object or event that may affect what I could measure or observe?

Brainstorm (Place sticky notes of a new colour in the space below.)

Variables















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Step 3(a): What will I change?

ONE VARIABLE I WILL CHANGE:

I WILL MEASURE OR OBSERVE THIS RESULT:

Independent Variable

(Place a sticky note from Step 2(b) here)

Variable

(Place a sticky note from Step 2(a) here)

Step 3(b): What will I not change?

VARIABLES I WILL NOT CHANGE:

What conditions will be held constant so it is a fair test? Place remaining sticky notes from Step 2(b) here.

Variable

















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Step 4: What is the question I want to explore?

IF I CHANGE	Independent Variable	WHAT WILL HAPPEN TO Dependent Variable
COMPARED	TO THE CONTROL?	
Step 5: Wh	at is my hypothesis (wh	at and why)?
BASED UPO	N MY QUESTION, I PREDI	CT THAT:
if the		is
	Independent Variable	How the independent variable will be changed (e.g. increased or decreased, heated or cooled, stirred or not stirred)
then the		will
	Dependent Variable	How the dependent variable will be affected (e.g. increased or decreased, heated or cooled, stirred or not stirred)
I think this w	ill happen because	









