THE SCIENTIFIC METHOD

Kids question the world around them every day and there is so much to learn through experimentation with simple materials. You can absolutely begin using the scientific method with young kids! Start here!

1
ASK A QUESTION OR IDENTIFY A PROBLEM

What do you want to learn or test?

2
DO SOME RESEARCH

Gather information about what you want to learn.

3
MAKE A HYPOTHESIS

Try to predict the answer. What do you think will happen?

4
SET UP AN EXPERIMENT

Design a test or experiment to see if your hypothesis is correct.

5
RECORD DATA

Record what happens during the test or experiment.

6
CONCLUSIONS

Analyze or review your data to see if your hypothesis was correct!

THE SCIENTIFIC METHOD

1 MY QUESTION:

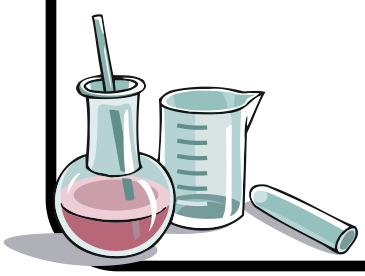
2 RESEARCH NOTES:

THE SCIENTIFIC METHOD

3 MAKE A HYPOTHESIS:

4 SET UP YOUR EXPERIMENT

SUPPLIES:



THE SCIENTIFIC METHOD

5 RECORD YOUR DATA:

YOUR CONCLUSIONS 6

Scientific Process

Ask a Question

What do you want to learn or test?

Do Some Research

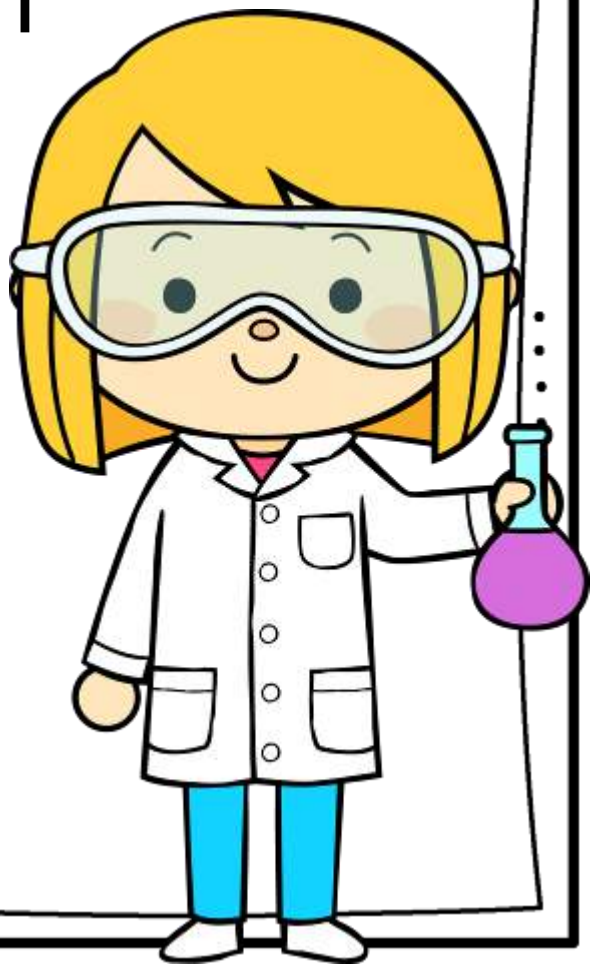
Gather information about what you want to learn.

Make a Hypothesis

Try to predict the answer!
A hypotheses sounds like an
If I do this, then this will happen.
This being your experiment
and outcome.

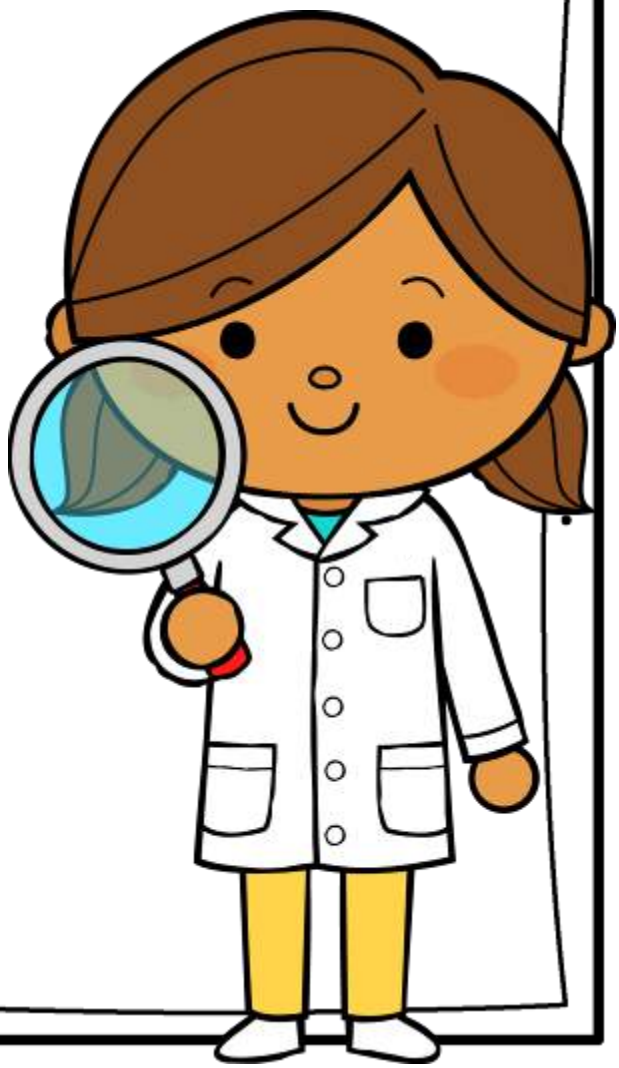
Set Up An Experiment

Design a test or experiment to see if your hypothesis is correct!



Record Data

Record what happens during the test or experiment.



Conclusions

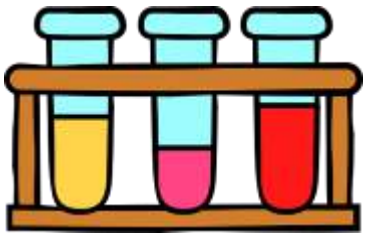
Analyze or review your data to see if your hypothesis was correct!

SCIENTIFIC METHOD

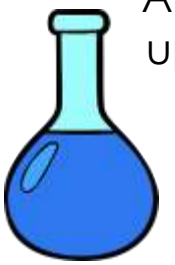
A method or procedure that uses an organized approach to solving a problem or answering a question through the use of a hypothesis, experimentation, observation, and data analysis.

HYPOTHESIS

An educated guess or simple explanation made as a starting point for further investigation or experimentation.



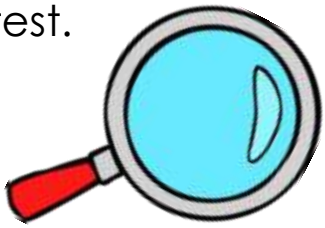
EXPERIMENT



A scientific procedure set up to test a hypothesis or make a discovery. It usually involves a dependent variable, independent variable, and a control. The outcome is not necessarily known.

INDEPENDENT VARIABLE

The independent variable is the part of your experiment that you want to test.



DEPENDENT VARIABLE

The dependent variable is the outcome that occurs in your experiment and a response to the changing independent variable.

CONTROL

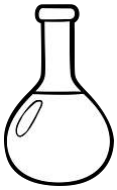
The control is the neither the independent nor the dependent variable. The control is what you will compare the results in your experiment.

My Science Investigation

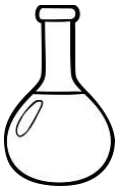
My Question

My Hypothesis

Research Notes



Supplies



Experiment

Observations

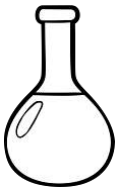
draw or write

Conclusions

My Science Investigation

My Question

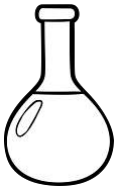
Hypothesis



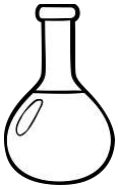
What is the Control?

Supplies Needed

What is the Dependent Variable?



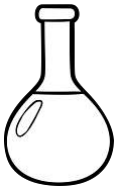
Experiment



What is the Independent Variable?

Observations

Conclusions



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