

How To...

Pick your Topic

It should come from something that interests you.

It should not be too broad that it cannot be answered through the investigation.

Write your Hypothesis

It should be written as an if ...(I do this)..., then... (this will happen)... research statement.

It should not include personal pronouns.

It should be something you can test. You need to measure what you do and what will happen.

Set up your Log Book - Leave the first two pages blank

It contains **all** pertinent information regarding the project

It should have enough detail so that another person would be able to duplicate the experiment

Log Book Entries

Each entry must be dated (place the date in the margin)

Each entry must be in ink - NO erasures or white-out

Cross-outs should be a single line through the information

Gather Research

It should educate you in the area of your chosen topic

Information gathered in any research must be added to the logbook

Be sure to enter the pages of interest and the bibliography information

Internet Research

Acceptable Sites

Government websites

University websites originating from a particular department

Industry or other related websites that are scientifically based

Bibliographic Information

The complete website, author, and date of release

If known, the date retrieved from the web

If any portion is cited in the research paper, the page or selection must be printed

Write the Experimental Plan

The Question or Problem being addressed

The Hypothesis

A Detailed Description of the Experimental Procedure and how the data will be analyzed

Set up the Experiment

It must be controlled and in some way measured

It must be verified or repeated - Choose One

Repeat the experiment several times

Use large populations in one experiment

Set up several simultaneous experimental and control groups