CHAPTER 1 SCIENCE SKILLS

* 1. WHAT IS SCIENCE

Science

Technology

Branches of Science

The Big Ideas of Physical Science

* Space and Time
* Matter and Change
* Forces and Motion
* Energy
  1. USING A SCIENTIFIC APPROACH

Scientific Method: What is it used for?

Parts of the Scientific Method

Observation

Hypothesis

Experiment

Law

Theory

Prediction

Experiment

Experiment

Observations

Forming a Hypothesis

Experiment:

* Controlled Experiment
* Manipulated variable (Independent Variable)
* Responding Variable (Dependent Variable)
* Collecting and Analyzing Data
* Drawing Conclusions

Theory (Why)

Law (What)

Scientific Models