

Scientific Method

1. Ask a question

- a. Specific and narrowed question.
- b. Don't be general.
- c. Clear statement.

2. Research

- a. Internet
- b. Books, journal, catalogs, etc.
- c. Experts
- d. Prior Knowledge

3. Form Hypothesis

- a. If GIV is SIV then DV will I/D because.....research
- b. "Educated Guess"
- c. GIV = General Independent Variable (What you are in control of changing)
- d. SIV = Specific Independent Variable (Specifically what you are changing)
- e. DV = Dependent Variable (The affect of changing the I.V. Must be measureable.
- f. I/D = Increase or Decrease (In comparison to your control group)

4. Test Hypothesis

- a. AKA Experiment
- b. Must use only 1 I.V
- c. Control Group is necessary
- d. Run multiple trials

5. Gather Data

- a. Qualitative Observations : Emphasis on Qual . See, smell, hear, taste, and feel. I.E - The shirt is red.
- b. Quantitative Observations: Emphasis on Quant . Must use numbers. There are 28 desks in this class.

6. Analyze Results

- a. Pie Charts
- b. Data Tables
- c. Bar Graphs
- d. Line Graphs
- e. "Verizon Commercial"