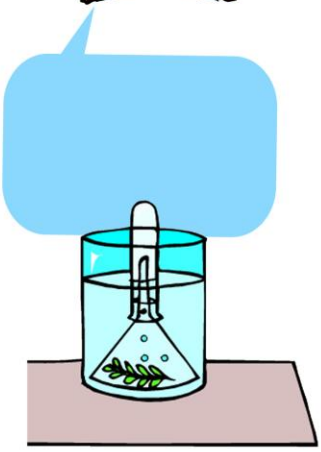
Scientific Method

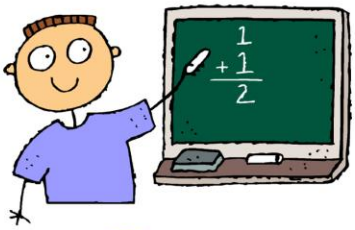
1. Ask a Question

2. Research your Topic



3. State your Hypothesis

4. Test your Hypothesis



5. Analyze your Data

6. Report your Results

Tri-Fold Poster Guidelines for Scientific Method Experiment ("Answering a question")

- Title of Project
- First and last name and grade level clearly posted
- Statement of the **Problem** or **Purpose**
- Identify the **Variables** (a variable is anything that could potentially change the outcome of your experiment). This is a mandatory step for 5th and 6th graders
- State your Prediction/Hypothesis
- Complete list of Materials and Equipment used
- Procedures (Steps you followed)
- Data Results (Charts, graphs, tables, diagrams, pictures)
- Conclusions (What I learned)

Checklist for Success

___ My project shows original thinking
___ My project is well organized
___ I show that I've used the Scientific Method and have defined my variables and controls
___ I did my research and documented it
___ I used a notebook to collect data and research
___ I worked carefully on the experiment
___ I am prepared to present my project in an organized and knowledgeable way
___ I used tables, graphs, and illustration in analyzing data
___ I know what I'm talking about and I understand the science involved in my experiment
___ I have a display that's attractive, well labeled, and easily understood
___ I have a complete and comprehensive report