**The Scientific Method**

**Statement of the Problem/Research Question:**

Write a clear, short statement that will ask the question that you hope to answer. Example: Will cold water freeze faster than hot water?

**Research:**

Research key topics related to your research question. For example: using the research question above I may research facts about:

* Freezing point of water
* Properties of water
* How temperature affects freezing point

Use the library, internet, interview people specific to your field of research, videos, and other resources to learn about the subject you are investigating. Keep a list of all the books and materials that you use. Include this list somewhere on your board.

**Hypothesis**:

Make an educated guess supported by your research. It tells what you think you will find in your investigation/experimentation and why you think this. Start with “I think…”. Example: I think that cold water will freeze faster than hot water because the freezing temperature of water is 32 degrees and cold water is closer to that temperature than warm water.

**Procedures:**

Write a step-by step set of instructions that tell how you conducted your investigation/experimentation. This should be written so that it is easy to follow. (Another person should be able to recreate your experiment) This should include all materials used in the experiment. Add pictures or videos of student conducting the experiment.

**Results:**

What happened?

Display your results in a chart, graph, or pictures.

**Conclusion:**

Why did it happen? Was your hypothesis correct or incorrect? Make suggestions on how to improve your project in the future.

Use your research to help you understand your results.