

Scientific Method

Turning a topic into a Project

Now you need to turn one of your topics into a question, the question into a hypothesis, and the hypothesis into an experiment. But don't get overwhelmed! Unless you know exactly what you want to do don't fill this in right now. We will work on this over the next few weeks. When ready fill in the blanks below to begin organizing your project.

1. My problem is: _____

2. What is the cause effect relationship I want to study – My hypothesis:

3. These are the variables that I think I have:

4. Controlled Variables: _____

5. Independent Variable: _____

6. Dependent Variable: _____

7. Place a check mark in the box if the sentence is true for your project.
 - My question cannot be answered with a “yes” or “no”.
 - I will be interested in this topic for the remainder of the school year.
 - I will be able to complete this experiment by May 1st.
 - I will be able to get the permission I need to do this experiment.
 - I will be able to get the equipment and resources necessary to complete my project.
 - I do not already know the answer to my question.
 - I have specified the exact type of subjects for my experiment (the species of plant or animal, breed of dog, etc.)
 - I will be able to use more than one subject.
 - I will be able to locate the subjects I need to use.