

Find a Topic
Tutorial Handout

Name: _____

1. Slide 9: List your interests

2. Slide 11: Pick a focus for your project. Use ideas from the mystery box (pictures in the bubble on the slide), your list of interests, or the sample topics provided.

3. Answer the questions about the focus you picked for question 2 above.

a. What materials are easy to find for an investigation (experiment) about this thing?

b. How does this thing act?

c. How can I change how this thing acts?

d. How could I measure the changes in how this thing acts?

4. Slide 12: Briefly describe your proposed project.

Schedule and To Do List

Name: _____

Date of the STEM Fair: _____

Week	Task	Time	Due	Done ?
1	Decide on a topic - Get tentative topic approved - Get a spiral notebook for your log	1 - 2 hours		
1 + 2	Research the topic - Find at least 3 sources - Take notes - Interview an expert (optional) - Outline your research paper	5 - 10 hours		
2	Decide on your question	$\frac{1}{2}$ hour		
2	Form your hypothesis (prediction)	$\frac{1}{2}$ hour		
2 + 3	Plan the investigation (experiment) - Decide on the independent, dependent, and control variables - List the materials - Write the procedure - Sketch equipment (if applicable)	1-4 hours		
3	Collect the materials - Order materials - Draft your research paper	3-5 hours		
3 - 5	Do the experiment - Collect data in your log - Make observations in your log - Take photos - Finish your research paper	2-20 hours		
5	Summarize the experiment - Write up the results - Draw a graph (if applicable) - Write a conclusion	1 - 4 hours		
5-6	Create the display	1 - 4 hours		
6	Practice answering judges questions	1 - 2 hours		