Markham Health Careers Magnet

Science Fair Project

Outline

Magnet Students,

As we come up on winter break, you should take the time to finish your project research and gather the materials you need. During the break it is recommended that you conduct your project, gather data, analyze your data, and write your conclusion. When we return from break, you will have until **Friday, January 24, 2020** to turn in the completed science project outline. All that you are required to turn in is the completed outline your final project presentation board will be submitted in February.

Have wonderful winter break!

-Mr. Arroyo

Science Project Outline **due January 24, 2020**

In order to complete your science project, you are to test your theories. Please review your project proposal submitted. Complete the outline sheet provided and submit it to your homeroom teacher (or Mr. Arroyo if you do not have a magnet teacher for homeroom).

Project Title: _____

Problem/Question: What question is your project attempting to answer? What problem will your project solve? Be as specific as possible.

_____

_____

_____

_____

Hypothesis: State your hypothesis as an "if…then…" statement. What do you think will happen if you conduct your experiment a certain way?
Example: If I place a penny in different types of beverages (sprite, coca cola, orange juice, and water) then I expect the penny to be cleaned the best by coca cola.

_____

_____

_____

Materials: Create a list of materials that you will be using to conduct your experiment/complete the project

* _____	* _____	* _____
* _____	* _____	* _____
* _____	* _____	* _____
* _____	* _____	* _____
* _____	* _____	* _____

Procedure: Write a step-by-step procedure of how to set up your project and how to conduct your experiment. It should be detailed enough that someone else could re-create your experiment exactly as you did it. Add additional steps on another page if necessary.

1) _____

2) _____

3) _____

4) _____

5) _____

6) _____

7) _____

8) _____

9) _____

10) _____

Data: As you conduct your experiment, or test your project, you need to gather data to help answer your Question and determine if your Hypothesis was accurate. Your data may be gathered in a chart or a graph (if appropriate).

Trial			
1			
2			
3			
4			
5			

Data Analysis: Now that you have collected your data, what does it tell you about your experiment or project? You are simply trying to explain in words what your data means. If it helps, create a graph to represent your data.

Graph: Use this space to create a graph.

Conclusion: What do the results of your experiment or project mean? Do your results agree or disagree with your Hypothesis? Explain how they agree/disagree.