**Design and Present an Experiment**

*Do not throw this handout away. You must present it to the instructor with your presentation.*

Design and carry out an experiment using the scientific method. You must use each of the six steps, and document each one. Include pictures!

You will present to a small group of your classmates. You have two options for presenting: 1) use a large poster-paper, or 2) create a powerpoint. If you choose the powerpoint, you must upload it to your home directory before class starts (for grading purposes). Please bring it to class on a thumb drive.

Your presentation must include the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **your pts** | **possible**  **pts** | **step** | **must include...** |
|  | 1 | question/problem | statement |
|  | 2 | research | description (what you learned, your sources, etc.) |
|  | 1 | hypothesis | statement |
|  | 5 | experiment | detailed description – step by step – and pictures |
|  | 3 | analysis | description, data table, and graph/chart |
|  | 1 | conclusion | statement |

**total**

|  |  |
| --- | --- |
|  | 13 |

**grade**

**notes:**

1. points will be taken off for sloppiness, illegibility, poor organization, etc.
2. I reserve the right to give extra credit points for especially creative experiments :)

**Design and Present an Experiment**

*Do not throw this handout away. You must present it to the instructor with your presentation.*

Design and carry out an experiment using the scientific method. You must use each of the six steps, and document each one. Include pictures!

You will present to a small group of your classmates. You have two options for presenting: 1) use a large poster-paper, or 2) create a powerpoint. If you choose the powerpoint, you must upload it to your home directory before class starts (for grading purposes). Please bring it to class on a thumb drive.

Your presentation must include the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **your pts** | **possible**  **pts** | **step** | **must include...** |
|  | 1 | question/problem | statement |
|  | 2 | research | description (what you learned, your sources, etc.) |
|  | 1 | hypothesis | statement |
|  | 5 | experiment | detailed description – step by step – and pictures |
|  | 3 | analysis | description, data table, and graph/chart |
|  | 1 | conclusion | statement |

**total**

|  |  |
| --- | --- |
|  | 13 |

**grade**

**notes:**

1. points will be taken off for sloppiness, illegibility, poor organization, etc.
2. I reserve the right to give extra credit points for especially creative experiments :)