Experimenting with Reducing Impact

**DUE: MAY 9th, 2016 (Next Monday)**

**Purpose:** students will determine something they will commit to giving up (junk food, meat, etc.) or doing (turning off lights, recycling more, etc.) for a one-week long experiment. The purpose is to see if making a small change in everyday life actually can make a significant difference with regard to the planet.

**Hypothesis:** (If…. Then…. Because….. statement: If I eat no processed packaged foods for a week my overall trash waste will decrease significantly because I am not throwing away food containers.)

Write your hypothesis in the space provided:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Method/Process:** This is where you make your plan of action. (Use the space below to plan out a course of action.)

|  |
| --- |
|  |

**Data Collection:** Data collection can look different for different people (depending on their project topic). You can collect data in a table (sample below). You can make an inventory of health, how you are feeling (without meat or without junk food?). You can research how much energy is used to power a lightbulb and you can figure how much energy you saved… possibilities are endless…

|  |  |  |
| --- | --- | --- |
| Days | Number of times packaged food consumed | Trash created (gallons) |
| 1 | 7 | 6 |
| 2 | 3 | 2 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |

Then you can graph the data… which would show without eating packaged food you don’t make trash.

Determine what method works best for your project and use the space below to collect your data. You must to this successfully for a minimum of 5 consecutive days (in a row).

|  |
| --- |
|  |

**Results/Conclusion & Reporting:** You will be responsible for compiling your data. Drawing conclusions and reporting your findings. The end result of this can look like a paper or a poster. Your results must clearly show what you found. They must compare the perceived outcome versus the actual outcome.

Paper guidelines:

Must:

* Include purpose, hypothesis, methods, data/research, results, and a conclusion
* Be scientific in nature (use of academic language, complete sentences, free of spelling, grammar, and punctuation errors)
* Shows effort and in a minimum of three pages (12-point font 1.5 spaced)

Poster guidelines:

Must:

* Include purpose, hypothesis, methods, data/research, results, and a conclusion
* Be scientific in nature (use of academic language, complete sentences, free of spelling, grammar, and punctuation errors)
* Shows effort (includes graphics, color, and neat organization.)

Just in case you forgot:

**DUE MAY 9th, 2016**

***We will be sharing these in class. If you are not ready to present on May 9 you will automatically get a 0 for the project… not joking!***

Have fun with this project and good luck!