

Magnet Foundations Final Project

Presentations: Monday and Tuesday, May 22 and 23, 2017

Grading: Per the attached Wheeler High School Data Visualization and Presentation Rubric

Due: Beginning of class Monday, May 22, 2017

Requirements:

1. Product with written explanation (and cited sources as necessary)
 - a. Infographic, video or other
 - b. Code or created product
 - c. Art-data of experiment
2. Self and minimum of 2 peer assessments
 - a. Research: on rubric of information to be conveyed/presentation
 - b. Engineering Design Process: on rubric of design objectives
 - c. Scientific Method: on rubric of basic scientific method
3. Presentation
 - a. 5 minute formal presentation of your process and product (you will be timed!)
 - b. Display your product and written explanation and the self and peer assessment results

Choices:

1. Research Process (digital citizenship or my freshmen year at Wheeler Magnet)
 - a. Clearly define information that must be conveyed and standard aspects of presentation
 - b. Create a rubric with each category of information and presentation as a row and Does Not Meet, Meets and Exceeds as column headers
 - c. Create a product that visually conveys the information as measured by self and peer assessments with rubric
2. Engineering Design Process Creation (code or other) with measurable determination of success
 - a. Clearly define objectives
 - b. Create a rubric with each objective as a row and Does Not Meet, Meets, and Exceeds as column headers
 - c. Create a product that self and peer assesses as successful
3. Scientific Method Experiment
 - a. Create a question.
 - b. Create a hypothesis with measurable independent and dependent variables.
 - c. Create and fill in a data table to answer your hypothesis. Analyze and visualize data
 - d. Support or Not/Support of hypothesis
 - e. Create a rubric with the basics of a good science experiment and data visualization
 - f. Create an art-data product that self and peer assesses (along with your experiment) as successful