

Polymer Design Project

Presentation

All three students in the team will be presenting. Team members will be assigned a presentation letter (A, B, C). Students assigned the letter A will be the first presenters. These students will present their Polymer Design Project on their iPad in a digital poster session. They will be presenting their research from their Polymer Design Project to the rest of the students in the class. After about 10 minutes, students with the letter B will present. Ten minutes later, students with C will present. The following information must be included in the presentation:

Proposed Polymer Product (Name & description of consumer product)

Initial Recipe: Ballistic Blue or Green Machine

- Describe initial polymer properties & properties of desired product (what you ultimately wanted)
- Explain the chemistry behind the polymers
- Pictures & explanations

Part 2: Experimental Design

- Hypothesis
- Describe your experiment
- Independent variable
- Dependent variable
- Testing: Method of collecting quantitative data (pictures & explanations!)
- Analyze the data (what did you learn from the graph)

Part 3: Redesign

- Hypothesis
- Describe your experiment
- Independent variable
- Dependent variable
- Testing: Method of collecting quantitative data (pictures & explanations)
- Analyze the data (what did you learn from the graph)

Budget:

- Describe how many polymers you made in each part
- Explain your financial expenditures and total amount spent

Marketing:

- What consumer market are you targeting with this polymer
- Describe the features of your polymer that make it desirable (why would people buy it?)
- Intended cost to the consumer
- Artwork/video for advertising