S13T6 Meeting Minutes

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| **Location:** Virtual (On Microsoft Teams) | **Date:** 2021-11-05 | 8:30-9:30 P.M |

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| --- | --- |
| **Present** | Patrick, Grace, Jason, Madeleine, Nikhil |
| **Regrets** | n/a |
| **Absent** | Muskan Bhatia |

# Agenda

1. Discuss each member’s ideas on new materials which could be used to help achieve a better final product with the design
2. Discuss each member’s individual research component (potential bottles, calculations etc.)
3. Decide on specific type of soda water required for experiment with mentos to receive most accurate results possible.
4. Find remaining materials either online or at home before returning to school from reading week.

## Report on Open Action Items

* Each member has discussed their information researched based on further details about specific materials that can be used, calculations for reactions, and factors which may affect the structure of the design.
* Discussed the ideas created about the potential pressure valve system and instrument which could be used in the project and decided to stay away from inputting a specific valve into the bottle for pressure relief.
* Each member discussed what materials they currently have amongst themselves at their homes, and which are viable to be used within our building portion of our design phase.

## Current Business

* The group has decided to stay away from more cylindrical bottles and move towards bottles such as juice cartons which are more rectangular shaped to prevent any copious amounts of leakage of pressure.
* The group has confirmed that the experiment materials used will be lime flavoured soda water and mentos for the reaction as this will create the most pressure possible.
* The group discussed the individual research component found during the week about the potential bottles and various calculations required for the bottle and number of reactants required to be used.
* Searched together online for materials which could be used as a different bottle and type of tube to use for the funnel attached.
* Discussed next meeting scheduled for the week and action items to report back upon for the next meeting.

## Next Scheduled Meeting

November 11th 8:30am

# Action Items

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| --- | --- | --- | --- | --- |
| **Action Item** | **Responsible** | **Assigned** | **Due** | **Status (date complete)** |
| Find any useful materials/materials required for building portion of design project and bring them to class. | Everyone | November 4 | November 11 | Complete  (November 11) |
| Purchase Soda Water and other materials required for experimentation process of project. | Everyone | November 4 | November 11 | Complete (November 11) |
| Research general information around materials and reaction. | Everyone | November 4 | November 11 | Complete (November 11) |

*Note: Entries should stay in the table until completed. Copy incomplete action items from the pre*