The Wonder Factory III Team A

Team Members: Mohammed Almaie, Abdulaziz Omar, Cameron Munger and Jonathan Witherspoon

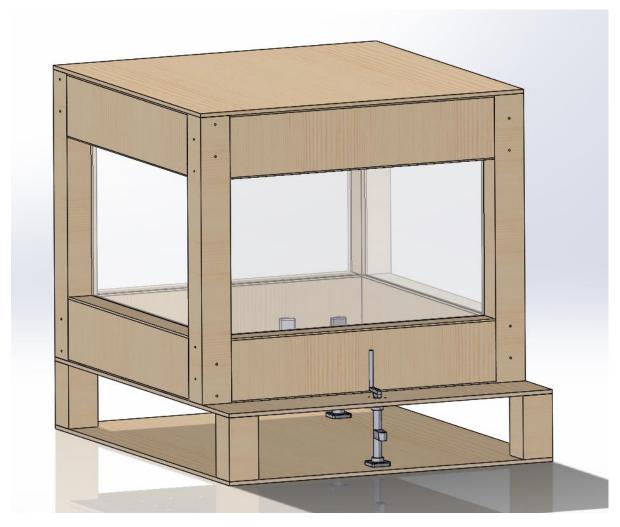
Project Description

Team's Task: Generate an interactive display that we design, build and test so that final product may be used by the Wonder Factory

Sponsors: Steve and Jackee Alston

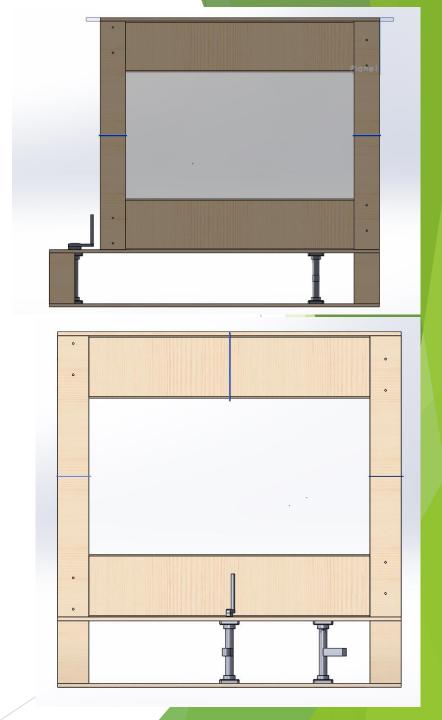


Design Description



Design Description

- User controls mirror placement
- User controls one mirror rotation
- User able to turn on/off laser
- Inner Dimensions
 - ▶ 18in X 18in X 18in
- Outside Dimension
 - ▶ 26in X 22in X 22in
- Gears and chains will be added



Design Requirements

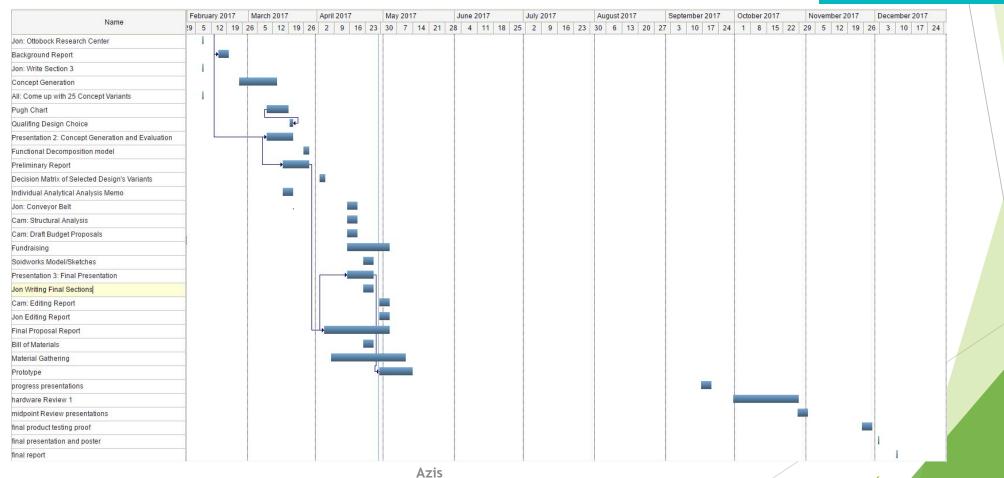
Customer Requirements	Meeting Requirements
Saftey	Taking the laser out of the hands of children, Tinted windows
Wow Factor	Added audio upon completion, Different laser images, Smoke machine
Hands-on	Hand crank added to change laser images
Integration of STEAM concepts	Reflectivity, Light Spectrem, Trigonometry
Simple Insturction	Two steps to complete device.
Durability	All materials having a saftey factor of at least 2
Visually Appealing	Sleek design, adding images to second prototype
Narratives	Cardboard display, Electrcial display
Easy Assembly	Assemble in less than five minuets
Multiple Visitor	Build more than one prototype
Mobility	Light weight and small dimension to be carried by one person

Jon

Schedule:



Table 2: Gantt Chart



Budget

► Total Projected Budget \$400

Anticipated Cost: \$300

Fundraising During the Summer





Questions?

References

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- [8] *S-media-cache-ak0.pinimg.com*, 2017. [Online]. Available: https://s-media-cache-ak0.pinimg.com/564x/53/5f/6b/535f6be5927f0a574c1c8edc98151522.jpg. [Accessed: 20- Mar- 2017].