The Wonder Factory

Team members
London Starlin

Abdullah Alshammari

Mohammed Kattan

Project Sponsor: *Jackee Aston*
Instructor: *Dr. Jennifer Wade*
Faculty Advisor: *Sarah Oman*

Project Description

Your task is to generate lots of interactive display ideas and to ultimately design build and test one final display ready for public consumption.

Team goals:

- Customer satisfaction

- Make the community investigate and learn about STEAM

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Background & Benchmarking
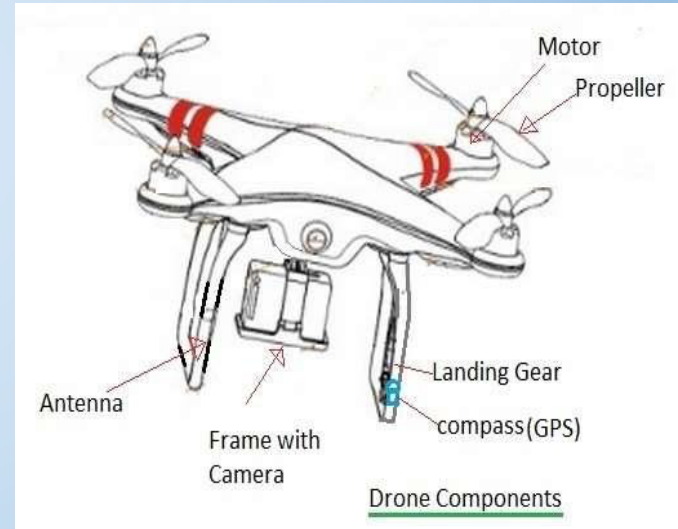
WHAT IS STEAM?

Jackee & Steve's vision

Current existing displays at the Wonderfactory

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Background & Benchmarking

Centers & interactive displays elsewhere (RESEARCH)

- Science Foundation Arizona

- Martin Art Center
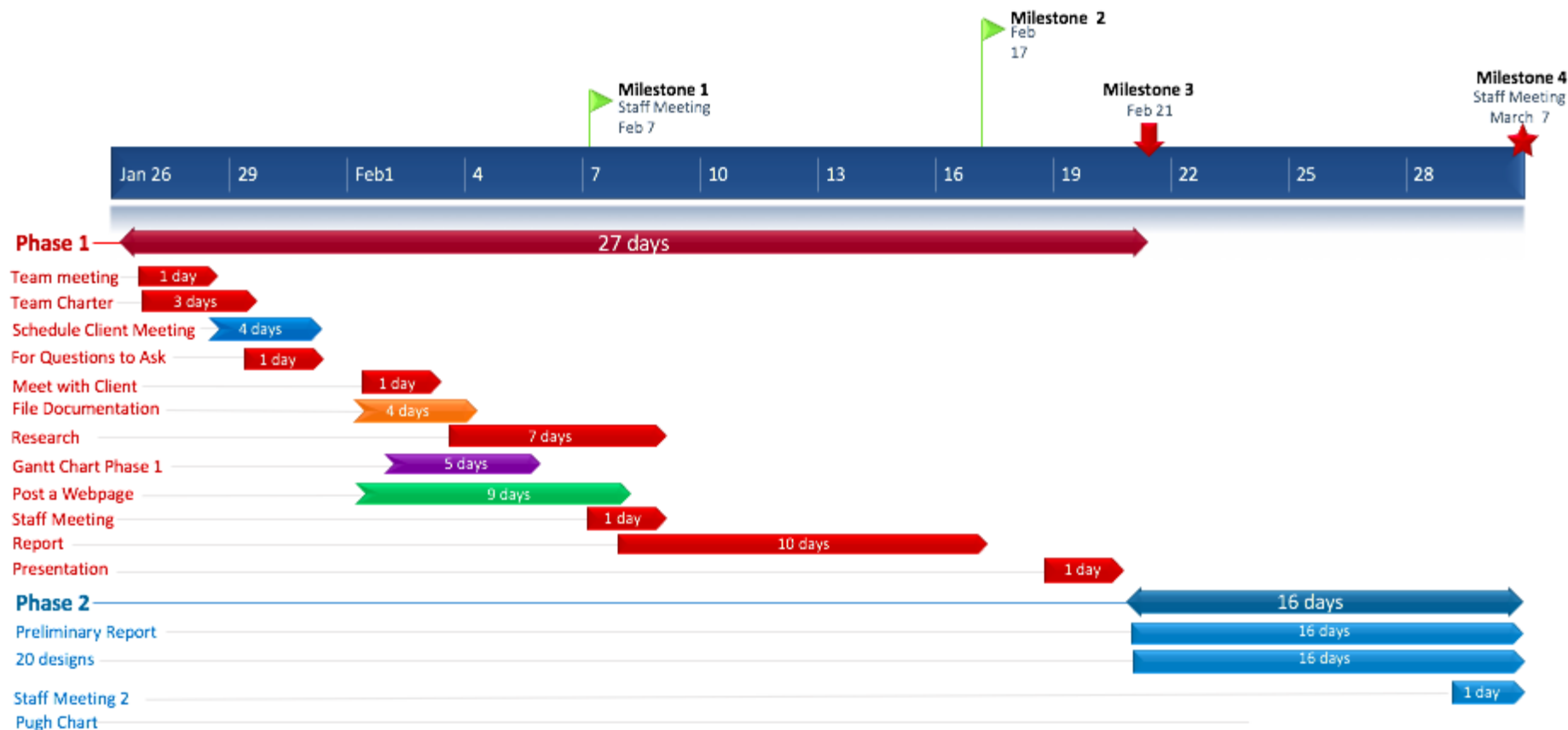
- University of Arizona Stem Learning Center

Drone Components

Customer Requirements

Customer Requirement	Weighting
1. Safety	5
2.Simple instructions	5
3.Visually appealing	4
4.Easy assembly	4
5.Hands on	5
6.Educational	4

7.Element of surprise	3
8.Wow factor	5
9.STEAM learning concepts	4
10.Narratives	4
11.Multiple visitors	3
12.Mobility	4
13.Relatable	4
14.Durability	4

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The Wonder Factory Gantt Chart

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Budget

Possible funding?

- Grants & donations

- Organizations related to the display?

- Jackee → Art council, W.L. Gore, etc.

- Other teams 400 cap.

GoFundMe: https://www.indiegogo.com/projects/the-wonder-factory-an-engineering-science-center--3#/

Questions?

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wonder
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References

[1] [2] & [5] are from Jackee's slide she presented us

 [3] ("Arizona STEM Network By Science Foundation Arizona") Arizona STEM Network By Science Foundation Arizona". *Stem.sfaz.org*. N.p., 2017. Web. 15 Feb. 2017.

[4] ("How To Make A Drone / UAV – Lesson 3: Propulsion - Robotshop Blog") "How To Make A Drone / UAV – Lesson 3: Propulsion - Robotshop Blog". *RobotShop Blog*. N.p., 2017. Web. 15 Feb. 2017.