

## EDD Week #3B Summary Report



Team Members Full Name: Matthew Jeide, Owen O'Rafferty  
Project Name/Topic : M.O.J.O.  
Date: 1/19/26-1/23/26

Problem Statement: How can we design an affordable, gender-neutral STEM construction kit that promotes authentic inquiry-based learning and guardian-child co-play for children ages 6-13?

| Task                  | Name of Person (people responsible) | Expected due date | Materials needed                                 | Problems Encountered   | Checked By/Date Submitted |
|-----------------------|-------------------------------------|-------------------|--|--|---------------------------|
| R1 Prototype          | Matthew Jeide, Owen O'Rafferty      | n/a               | Every component outlined in the wiring schematic | New assemblies were soldered to be more efficient and neat.<br><br>The design for the chassis has been stalling. | n/a                       |
| Element D Inspections | Matthew Jeide                       | 12.5.25           | PC   | We needed our interview complete plus detailed drawings that we do not have.                                     | n/a                       |
|                       |                                     |                   |  |  |                           |
|                       |                                     |                   |  |  |                           |
|                       |                                     |                   |  |  |                           |
|                       |                                     |                   |  |  |                           |
|                       |                                     |                   |  |  |                           |

Include the **screenshot of the Gantt Chart** to help you complete your EDD Weekly Summary Report.

| EDD - GANTT CHART |   |               | Quarter 3 |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|-------------------|---|---------------|-----------|--|--|--|---------------------|--|--|--|--------------------------|--|--|--|--------------------------|--|--|--|--------------------------|--|--|--|
| WEEK              | TASK  | COMPLETE?     | 1/2       |  |  |  | 1/5 1/6 1/7 1/8 1/9 |  |  |  | 1/12 1/13 1/14 1/15 1/16 |  |  |  | 1/19 1/20 1/21 1/22 1/23 |  |  |  | 1/26 1/27 1/28 1/29 1/30 |  |  |  |
|                   | W13: Element D.0 Concept Development/Concept Sketching/F360         | IN PROGRESS ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W13: Element C Inspections  | COMPLETE ▾    |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W14: Element D 7.0 & 8.0 Materials & Fabrication Research           | COMPLETE ▾    |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W14: Element D.0 Analysis and Selection                             | IN PROGRESS ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W14: Element E: Application of STEM Principles                      | IN PROGRESS ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W14: Element G 2.0 Building and Testing Plan                        | IN PROGRESS ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W15/16: EDD Engineering Portfolio [Update/Inspection]               | MISSING ▾     |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W15/16: EDD Element F 2.0 & 3.0 Design Review                       | IN PROGRESS ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W15: Laser Cutter Tutorial  | COMPLETE ▾    |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W17: Element D Inspections  | IN PROGRESS ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W17: EDD Project Proposal Part #2                                   | MISSING ▾     |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | <b>SECOND SEMESTER</b>  | ▼             |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W1B: Resume [UPDATE]  | COMPLETE ▾    |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W1B: CareerSafe OSHA-10   | COMPLETE ▾    |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | <b>R1 Prototype</b>   | IN PROGRESS ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W2B: EDD Gantt Chart [Update]                                       | COMPLETE ▾    |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W3B: Engineering [STEM] Interview 2026                              | COMPLETE ▾    |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W3B: EDD Element F 2.0 & 3.0 Design Review and Project Merit        | MISSING ▾     |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W4B: EDD Design-Expert Review                                       | MISSING ▾     |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W4B: Element F [INSPECTION]   | MISSING ▾     |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W4B: EDD G5.0 Mock-Up/Prototype                                     | MISSING ▾     |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W4B: Element G 2.0 Building and Testing Plan                        | MISSING ▾     |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W5B: Element H [INSPECTION]   | NOT STARTED ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |
|                   | W5B: Element H 2.0, 3.0, 4.0 & 5.0 Testing and Data Collection Plan | NOT STARTED ▾ |           |  |  |  |                     |  |  |  |                          |  |  |  |                          |  |  |  |                          |  |  |  |

Summary: (What was accomplished this week and what is of immediate concern for the next two weeks?)

We had continued our focus on the R1 prototype, particularly the housing and chassis; our initial plans for a body had to be scrapped due to size and printing constraints. The electrical framework for R1 is complete. We finally got an interview towards our expert review, we **desperately** need to complete Element D--other elements are piling up and we're running behind.