

# DE Toy Project Summary Report



Team Members' Full Name: Matthew Jeide, Asher Atchison, Francisco (Frankie) Izaguirre  
Project Name/Topic : Swifty Tifty Bot  
Date: 4/28/25-5/15/2025

Problem Statement: Parents need quality educational toys for their crotch goblins.

Date	What task was completed?	Who completed the task? Was anyone AP Testing
4/28/25 Monday	Sketched our designs, tested sensors and motors. Discussed programming	Asher Frankie Matthew
4/29/25 Tuesday	Figuring out how to program the motors. We learned that we need to use motor controllers.	Asher Frankie Matthew
4/30/25 Wednesday	We built the frame and attached the sensors.	Asher Frankie Matthew
5/01/25 Thursday	We tested the sensors and attached them to the breadboard.	Asher Frankie Matthew
5/02/25 Friday	Find good 3D models to 3D print for our distance sensors. Matthew started programming the code for the robot.	Asher Frankie Matthew
5/05/25 Monday	Collected our 3D models and created the structure to support the sensors.	Asher Matthew Frankie
5/06/25 Tuesday	Tested the code for our sensors and figured out how to code the idea we wanted.	Asher Frankie
5/07/25 Wednesday	Reinforced the structure of our bot and secured the sensors to the bot.	Asher Frankie Matthew
5/08/25 Thursday	Worked on adding an external battery to power the motors and separating the two power sources to protect the components  Additionally worked on ensuring the sensors corresponded to the correct motors	Matthew Frankie

5/09/25 Friday		All absent - U.S. History Exam
5/12/25 Monday		All absent - Calculus Exam
5/13/25 Tuesday	<p>Dismantled old, dysfunctional prototype (suggested by instructor), rebuilt entire robot with a new design prioritizing lightweight, minimal power draw, reconnected wires, and started work on the next version of the code.</p> <p>Was not functioning by the time Matthew left.</p>	Matthew Jeide (afterschool)
5/14/25		All absent - Language Exam
5/15/25	<p>Fixed issue on Tuesday (grounds weren't connected), added an additional 9V battery for more capacitance, and finished code.</p> <p>Recorded video.</p>	Matthew Frankie