

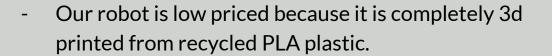
Promise, Credibility, differntiator • •

- We promise that our robot will satisfy the academic creativity of children interested in the S.T.E.M. field.

Our credibility comes from our past experience and knowledge

 Our design is unique and innovative while also practical, which sets us apart.

Price, Risk, Effort



Our product is 100% safe with unexposed electrical components

Our robots effort is to ensure durability and safety to its users

Marketing AD





Groups design process/optimization

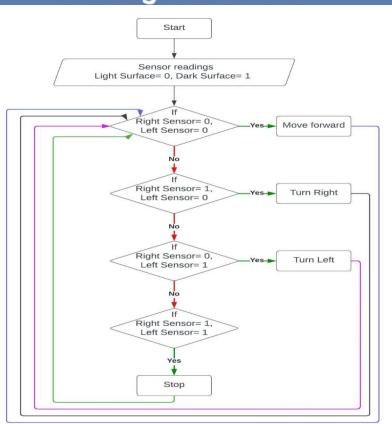
- Brainstormed designs
- Narrowed down designs.
- Chose final designs based on engineering specifications.
- Modified final design
- Manufactured design into real world.
- Fixed issues as needed.

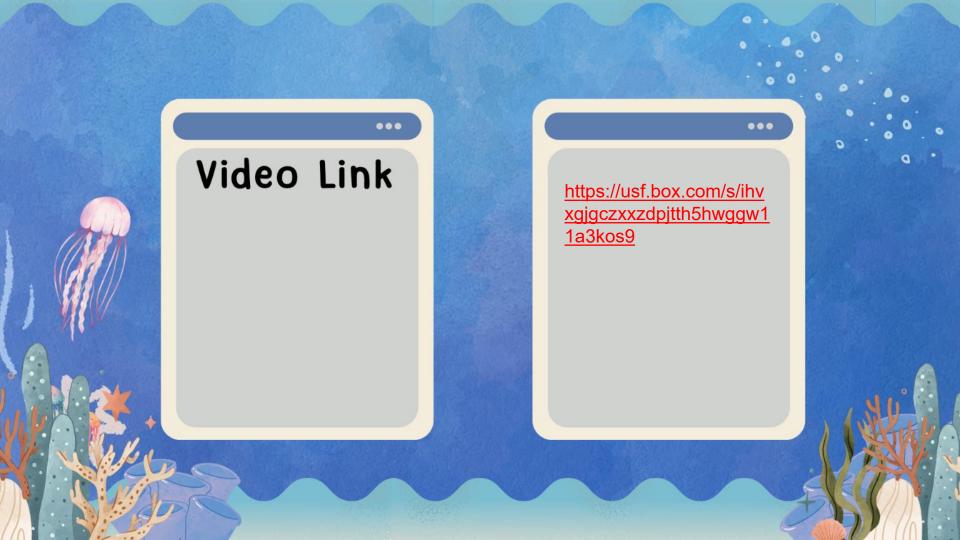


Fabrication and manufacturing process

- Created design
- Used decision matrices and pick design
- Built design (Prototype)
- Created final design
- Optimized as needed

Coding flowchart







Components:	Target Value:
Sizing in inches	Length x width: 5x5
Speed	max 1.5/s
Power Supply	One 9V battery and a backup battery pack
Materials used	Recycled Filament and components in the kit
Assembly Time	Average of 4.6 minutes
Type of Sensors Used	2 IR sensors
amount of wheels used	2 motorized wheels, one universal
Turn Angle	Adjustable through the sensors

