

GoBabyGo!: Inglemoor High School Outreach

¹Goodwin B, ²Nguyen B, ¹Rokhmanova N, ²Sego K, ²Galindo R, ³Wierusz M

¹Department of Mechanical Engineering, ²Department of Rehabilitation Medicine, ³Inglemoor IDEA Classroom



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Accessible Design & Play Technology

The Challenge

- Stakeholder: Inglemoor High School IB Design & Technology Classroom
- Project Statement: Collaborate with the course instructor to **develop a 1-month curriculum relevant to GoBabyGo!** to teach high school students **about ability-based design and accessibility**
- Our Goal: Students will make community impacts and gain experience in toy adaptation, clinical case study research, circuitry, and ability-based design



What is a GoBabyGo! car?

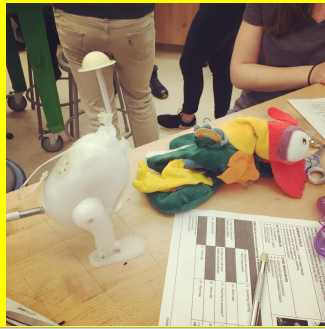
A **customizable early powered mobility option** that helps young children with mobility challenges to move around, play with their peers, and explore their environment.



Ability-Based Design Curriculum

Module #1 Toy adaptation:

- Many off-the-shelf toys are difficult to activate for children with motor delays
- Play is an important aspect in child development
- 12 toys were adapted for elementary-aged children



Module #2 Case Study Research:

- Students performed background research on their assigned case studies:
 - Caregiver-directed steering
 - Visual impairment
 - Hemiplegic cerebral palsy
 - Spastic cerebral palsy



Module #3 GoBabyGo! Modifications:

- Build! Build! Build!



Module #4 Inclusive Preschool Visit – User testing:

- Students traveled to an inclusive preschool and tested their ride-on-car designs
- Useful insights were gained to improve designs during future iterations



The Future

We envision that our ability-based design curriculum could be used as a model across different levels of education that allows students of all ages an opportunity to impact their community as emerging future clinicians, engineers, designers, and community members.

Acknowledgements

Thank you to: Mike Wierusz, design instructor at Inglemoor HS and needs expert; Northshore School District; Sorenson Early Childhood Center; Mathers Fund to Empower and Improve Human Ability; Shawn Israel & Heather Feldner, GoBabyGo! Seattle Co-Directors.

