

# StarBase Engineering Club

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*A new club at Wells Road Intermediate School for students  
interested in Engineering*



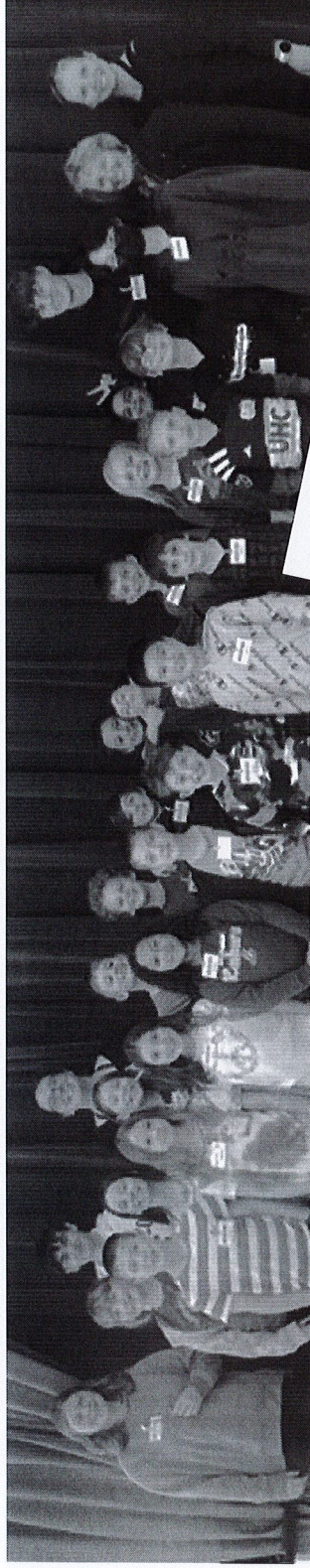
# Goal:

- Gauge student and family interest in a new engineering club.
- Try it out!



# Who:

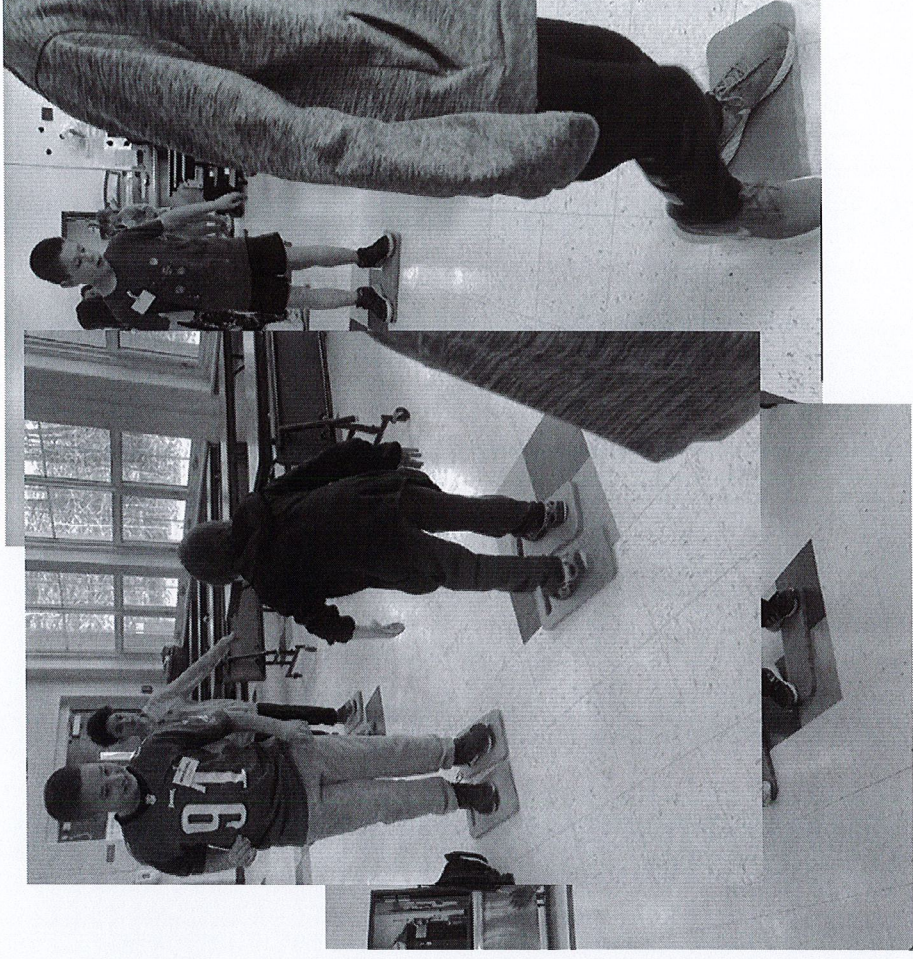
*Here tonight: Amelia, Caleb, Hailey, Mel,  
Pierce, Sophie*



- 21 fourth graders
- 2 teachers
- 1 club leader
- 7 high school mentors

# What:

- Focus on problem solving with others
- “How can you make this better?”
- Variety of Engineering Challenges



# What:

## Engineering challenges:

- Index Card Towers
- Unstable Bridges
- Random Object Towers
- Slow Race
- Roof Over Your Head
- Ping Pong Ball Tower
- Pipeline



# **Where and When:**

- **WRIS cafeteria**
- **Tuesdays 3:30-4:30**
- **January-April (12 weeks)**



# Why:

- Fun
- Engaging
- Creative
- Problem solving
- Experimental
- Curiosity



# **Comments:**

**Parent  
Comments:**

**Amelia has really enjoyed this club. She has liked being challenged to figure out a solution to various problems. She has also enjoyed working with other students. Thank you for the opportunity!**



# Comments:

## Student Comments:



# Demonstration Time!

## Pipeline

Goal: Get the ping pong ball across the room without anyone touching it.

*Rely on angles, speed, navigating the room, communicating with each other, trying again, revising, reflecting on what worked and didn't work, expecting failure and trying repeatedly.*

# **Thank you!**

## **Next steps:**

- **Figure out how to continue experiences like this for more students at WRIS.**
- **Keep mentorship opportunities happening between GMHS and WRIS.**
- **Embedding engineering practices throughout school- for all students to experience.**