

## Egg Drop 2019

Goal: This is a creative challenge for future engineers: design an egg contraption that would prevent an egg from breaking when dropped from the "ceiling" in the cafeteria.

Constraints: You may only use the materials given which included:

5 popsicle sticks, 5 straws, 5 rubber bands, 2 sheets of paper, 100 cm of string and 100 cm of tape.

Student Outcomes:

1. Students will be able to design and build a protective device to keep their egg intact when dropped from a height.
2. Students will be able to explain design considerations based on material characteristics, and concepts of energy, velocity, and the physics of colliding objects.
3. Students will be able to utilize the design process to meet an engineering challenge and build upon their past challenge experiences.

Summary: Failure is just as important as the successes. It allows us to reevaluate, assess what works and doesn't and teaches us to be resilient.

This week in the club challenge there was a lot of fun and failure. Only one team out of 15 completed the challenge with their egg intact. Freshmen **Will Kehres** Sophomore **Gabe Roberto**, and Freshman **Aidan Turos**, pictured below were victorious, earned bragging rights and were awarded prizes.



# Engineering Challenge Pictures – Egg Drop 2019

