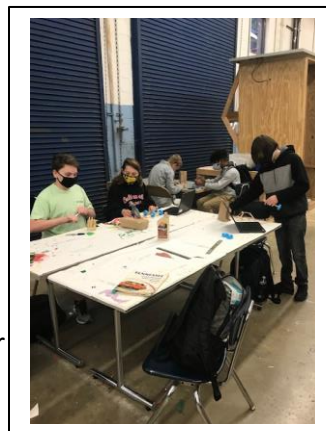


Egg Crashers Design and Build Challenge for Principles of Manufacturing

Collaborative (in-person & at-home) groups of students will problem solve and brainstorm a design for a vehicle which can transport an egg down a ramp and into a concrete wall without damaging the egg or having the egg fall out of the vehicle.

Students have a set supply list they must stay within while designing and building their vehicle and must also have a theme or decoration added to the vehicle. No padding or drag bumpers are allowed on the vehicle and no padding around the egg. The vehicle must stay within the rails or straddle the rails on the ramp provided.

This activity ties in the understanding of forces and motion along with transfer of energy being studied by our Physical World Concepts students. The activity is a cross-curriculum PBL.



Under Construction



Ready to Run...



Success !!



Computer design and Model