



CROWDER COLLEGE

Engineering Day 2021 Mouse Trap Car Competition

Goal:

Build a vehicle that is powered solely by a standard sized mouse trap that will travel a 4-yard distance in the shortest amount of time.

Rules/Judging:

1. Vehicle must be powered by a single Victor brand mouse trap, measuring: 1-3/4 inches X 3-7/8 inches.
2. The mouse trap cannot be physically altered except for the following:
 - holes can be drilled only to mount the mouse trap to a frame
 - the mouse trap's snapper arm may be cut and/or lengthened
3. The vehicle may not start with additional potential and/or kinetic energy other than what can be stored in the mousetrap's spring.
4. The mouse trap's spring cannot be wound more than its normal travel distance or 180 degrees.
5. Vehicles must be self-starting.
6. The vehicles must steer itself and may not receive a push in any direction in order avoid a collision.
7. The timing of the vehicle will begin when any part of the vehicle passes over the start line and will ends when that same point passes over the 4-yard mark finish line.
8. The contest is for individual students.
9. Students may race their vehicle three times and use the best time for their score.
10. In the unlikely event that no vehicles cover the 4-yard distance on the day of the contest, awards will be based on distance traveled rather than a timed competition.