

# Tech Wars 2022 – Niagara County Community College

**Competition Category: Mouse Trap Cars**

**Level of Competition: Middle School**

**Event Coordinator: Mark Rivard (markteced@aol.com)**

## **Description of the Competition:**

A mousetrap car uses the stored energy of a mousetrap spring to generate forward motion. In competitions, the goal of the mousetrap car is to achieve as much forward motion as possible, on a flat surface and/or on an inclined surface. In other words, the goal is to maximize the distance traveled on both these surfaces.

## **Rules of Competition:**

1. All cars must be powered by a Victor brand mouse trap with a wood base.
2. Only one mouse trap per car. No modifications to trap spring.
3. The car must start on it's own when released. No pushing.
4. The mouse trap do not have to be set.
5. The rod attached to the mouse trap can't bend much to store additional energy.
6. The car can have any number of wheels and contact points with the floor.
7. Once released, the car can't be interfered with.
8. Each car will have two runs. The longest run is what counts.

