

FunFest 2025
Mousetrap Car Competition Rules
Middle and High School

Objective: The

Competition Rules

MOUSETRAP CAR GUIDELINES

1. Vehicles must be self-contained, use only one mousetrap of any brand. Use a standard mousetrap to build the car (no rat traps allowed). No modifications of the mouse trap spring are allowed. Arm extensions are allowed.
2. The mousetrap spring must be the only source of stored energy for powering the car. No elastic bands of any kind may be used to help power the car.
3. Rubber bands may be used for traction on the wheels.
4. The car must be set at the start of the race, and the car must be able to start ITSELF after the tripping of the mouse trap. No push or pull from the designer(s) is allowed. Students must design a trip mechanism which meets the race rules.

Race Rules

1. The car will be raced on a smooth flat surface.
2. The car will run twice with the best single performance used for the competition.