Level: Middle School/Grades 6 - 8
High School/Grades 9 – 12

Teams: 2 students per team.

Overview: Students will build ONE vehicle, powered by a single, standard sized mousetrap, which will travel the longest distance.

Materials:
- One standard sized mousetrap
- All other materials to build the vehicle are legal and optional.
- Safety standards must be adhered to.

Rules:
1. Rubber bands may not be used to connect the lever to the axel.
2. Students must design and build their own vehicle which must be solely powered by the mousetrap provided.
3. The springs on the mousetrap may not be cut, bent, over-wound, heat treated, or altered in any other manner.
4. Vehicle must roll or coast along the track. All wheels must stay in contact with the surface.
5. If the vehicle crosses the boundary of the track, the point of exit will be the distance recorded.
6. Repairs are only allowed with replacement parts and materials brought by the team.
7. The axel of the vehicle’s front wheel(s) must start on the start line.
8. Students may not touch or interfere with the vehicle once the lever has been tripped.
9. The distance that the vehicle travels will be measured from the start line to the axel of the vehicle’s front wheels.
10. The vehicle will be allowed 2 trials. The greater distance of the two trials will be the recorded distance.
11. Track Specifications:
   - The track will be:
     i. 2 meters wide
     ii. Approximately 10 meters long
     iii. Vehicle can start anywhere on the 2 meter line
Vehicle may be placed anywhere within 2 meter width

2 meters wide

Approximately 10 meters long

Start Line

Finish Line