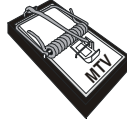


MTV LAND – SPEED

Name: _____ Level: I or II (circle one) School: _____



(INDIVIDUAL; COMPETITIVE; ON-SITE EVENT)

DESCRIPTION:

The problem will consist of building a mousetrap vehicle (MTV) that will travel to the distance of 20 feet the quickest. Each vehicle will race in a double elimination competition in their division. Endurance is a factor.

GENERAL RULES AND REGULATIONS:

1. The only power source is one victor (1) ordinary mousetrap.
2. No additional energy storing materials can be used.
3. The spring of the mousetrap cannot be heat treated or altered.
4. Only one (1) mousetrap can be attached to the vehicle at one time.
5. The vehicle must be designed so that the mousetrap can be attached or replaced quickly and efficiently. **Tape or glue cannot be used to attach the mousetrap to the vehicle. Tape of any kind cannot be used in the construction of the vehicle.**
6. The vehicle will be constructed at the entrant's school.
7. **Vehicles are not to have a mousetrap attached at the time of competition. The mousetraps (Victor) will be provided by the judge, for assemble time five (5) minutes prior to the competition.**
8. The wooden mousetrap base cannot be altered in any manner, but the excess hardware can be removed from the mousetrap.

After the mousetrap has been attached, the vehicle cannot be altered during the vehicle testing.

9. Track specifications - Standard tiled, wood, or rubber gym floor covering. The track will be marked off with a starting line and finish line twenty (20) feet apart with a center strip.
10. The MTV entrant's name will be drawn by random from a can for the seating in a tournament bracket.
11. Two vehicles will go head to head in individual bracket races.
12. The winner will be determined by the front fixed axle of the first vehicle to cross the finish line.
13. MTVs crossing the center strip and hitting another competitor's MTV will be declared the loser of that heat.
13. The competition will be a double elimination tournament.

CRITERIA FOR JUDGING: Vehicle that wins the double elimination race will be declared the winner

ANY RULES AND REGULATION VIOLATION - (-10 POINTS)

TOTAL POSSIBLE - 75 POINTS

AWARDS IN LEVELS I AND II.

TEAM

Technology Education Association of Missouri
The Industrial, Engineering, and Technology Teachers of Missouri

