

Mouse Trap Car

Challenge:

In this project, students are to design a vehicle that uses a single mouse trap as its sole source of energy. The vehicle should be designed for distance.

Restrictions:

1. Only one mouse trap may be used in the vehicle.
2. The spring of the mouse trap may not be altered in any way.
3. The mouse trap must move forward with the vehicle.
4. The vehicle must start on its own.
5. No ball bearings are allowed to be used for the wheels.
6. No elastics may be used for your drive belt.

Research Ideas:

Search the internet for three different mouse trap car designs, such as for speed, slower moving, geared cars, etc. Have five different web sites as your source, and include them in your report.

Materials:

Your great and superior teacher will supply you with the following materials:

- mouse trap
- duct tape
- jinx
- foam board
- dowel
- glue

Evaluation:

	Car	Distance	Report
Sturdiness	/10	80ft.+	=55/50
Wheels	/10	75ft.	=50/50
Material	/10	70ft.	=45/50
Starts on its own	/10	65ft.	=40/50
Quality	/10	60ft.	=35/50
		*and pattern follows	/100

Due: _____

