

MOUSE TRAP CAR RESEARCH PAPER

Project Outline. Design a mousetrap powered car with the materials available. Standard sized mousetrap, approx 1 week timeline. Research. The main goal of.

A two-foot length of nylon string was secured to the copper pipe and the rear axle. Apply glue to surfaces of back panel and nose block where surfaces contact sides, and pin as shown. The wheels were attached to the axels with rubber cement. Standard sized mousetrap, approx 1 week timeline. Now is the time to paint and apply numbers, names, etc. Tie string to the trap bail and glue. Statement of the Problem Despite the publicity and the proven uniqueness of Trap-Ease mousetrap, both demand and sales fall radically short of expectations. Adult Supervision required to set trap A. Essay Topic: Sorry, but copying text is forbidden on this website! You can now paint the wheels if desired. These fuels are awesome and have helped push society and provided a relatively inexpensive way to fuel vehicles without many of the side effects that come up when trying to find a good fuel source. To combat this, lubricants are used on the axels where they are in contact with the chassis of the car. After notching, set aside until needed later. If they are too large, they will require much more torque, which would reduce the amount of energy available to turn the axle once momentum is built up. Acceleration is also important to the efficiency of the mousetrap car. This car is powered by hydrogen that is forced into a fuel cell that produces electricity Tip: This was learned the hard way: make your mousetrap car as light as possible. Insert the axles into the sides. The more torque an engine or a mousetrap can provide, the faster the car will accelerate. Spin wheels to check for wheel wobble and adjust before glue dries. Apply glue in notch of the small wood dowel and press against rear axle until glue sets. As the trap is set the lever will pull the line and thus rotate the axle causing movement. Our task was to develop a mousetrap car which was difficult basically it was something we had never performed before. Tip: CDs work great. If you don't have this kit, you can order it now! The larger wheels traveled a significant amount further than the smaller wheel sizes. Glue the mousetrap to the floor. The process of the design was based on attaining materials, designing the appearance of the car and even modifying the defects of the design. These include: Large drive wheel to axle ratio The larger the ratio the farther the car will travel, since one axle rotation is equal to one wheel rotation. There should be a slight gap between the eyelets, as shown. Background Before invention of gas engines, cars were pulled by horses or other animals. Use sandpaper to sand off top edge of nose block.