

Simple Machine Home Project

Today's Date

Dear Ingenious Inventors,

We have been talking, reading, and watching films about machines and doing activities to help you be better problem solvers. Now, its time for you to design and build an invention which makes work easier. Look around for a problem or chore you would like to make easier. How could you use simple machines to help you do work? Be creative and have fun. Use recyclables and materials you find around your house.

Materials:

- try to use recyclables, scraps, and leftover building materials
- always have an adult help with power tools of any kind
- ask permission to use things first!
- inventions must stand on their own and be safe to show at the invention fair

Goal:

- use the '**problem/design/invent/test/redesign/retest**' process
- use at least one simple machine
- your invention should help make doing a job easier

Plan:

- look over the idea list from past projects
- try to think of a problem you can try to solve using your invention
- fill out the 'Patent Application Form' attached to this sheet
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All projects are due by _____.

The Invention Convention Night will be _____.

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I/we are aware of this project and the deadlines. *Please cut and return by* _____

Student name _____

Parent signature _____