



My Compound Machine Challenge

This project is due on the second Friday in January

Rules: For Your Machine

1. Your machine needs to have a function – It has to do something like lift, push, pull, move, carry or deliver an object from one place to another
2. No electrical components (no wires, batteries, cells, solar panels etc.)
3. Must fit through the door of Mr. Smith's classroom! Keep it small.
4. Can include parts from toys, wood, fasteners, plastic or metal, no jagged edges though
5. May include mechanical motors (wind up –gear driven) from toys. Ask Parents / Siblings before smashing!
6. If any sawing, hammering, welding, or drilling is required have your parents do these tasks or monitor you carefully as you do them. Parents are allowed to help, but need to remember this is your project too.
7. Try to include as many simple machines as possible in your compound machine including: levers, wheel and axles, pulleys, wedges, inclined planes and screws
8. Include a pamphlet with your compound machine that explains: a) what your machine does, b) what simple machines are included in your compound machine, c) how each simple machine works and d) how you made it!