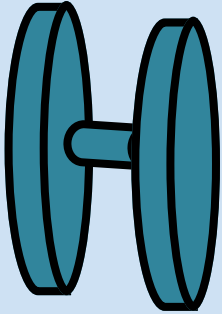


Engineering with Simple Machines

Simple Machines are everywhere! They perform work, moving objects from one place to another. Often, they are used on their own, or as components in more complex machines you see every day.

Simple Machines are also a specific set, and include:

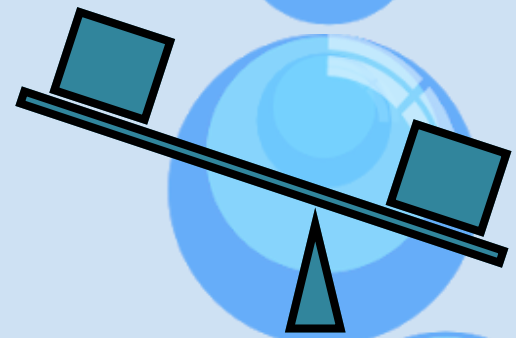


Wheel and Axel

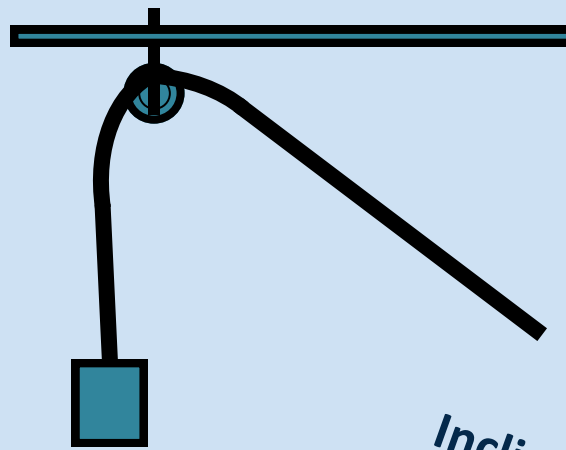
Gears



Lever and Fulcrum



Pulley



Wedge



Inclined Plane



Engineering Challenge!

Can you design and build a mechanism to move a small object over a foot of space, or around a corner?
Set a goal for yourself and start designing!

Rules:

1. Use a combination of Simple Machines.
2. Your design should do all of the work moving object!
3. Use any materials!

Pssst... If you put a wedge and an inclined plane together, you get a screw!



Try this!

Every day objects can be made of many simple machines. Challenge yourself or a friend to see how many simple machines you can identify in a door. If you find them all, try the game on other object in your home!

