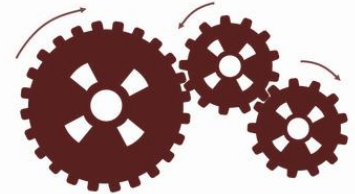




Gears & Pulleys

Gears are like a simple machine. Some people call a gear a cog but it is simply a wheel with teeth. As the teeth fit together, when you turn one gear, the other one turns too!



Gears come in many different sizes and one gear can make another one turn faster as well as turning it in a different direction. When you turn a big gear to the right, the little one will move to the left.



All these things use gears to make them work!

Pulleys are another type of simple machine. They are made of a wheel on a fixed axle and have a groove along the edges to guide a rope or cable.

As you add more pulleys it becomes easier to lift the same load (weight of an object). As you increase the number of pulleys, you will also need a greater amount of rope to lift the load.

All these things use pulleys to make them work!

