



Gears

Speed and Power



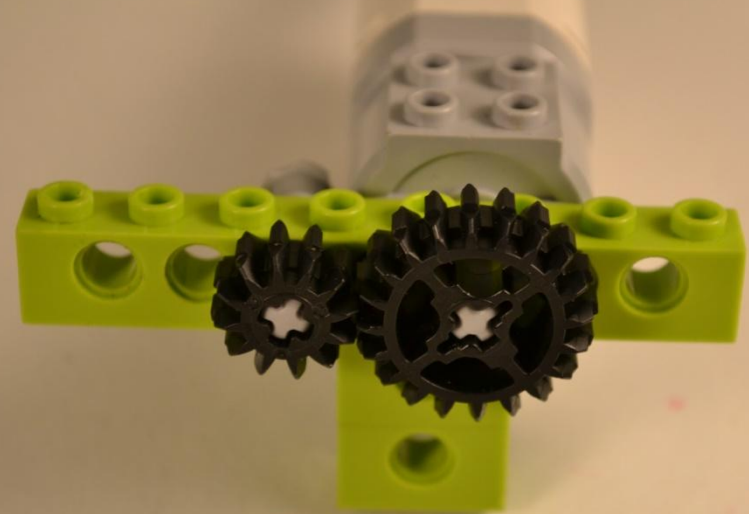
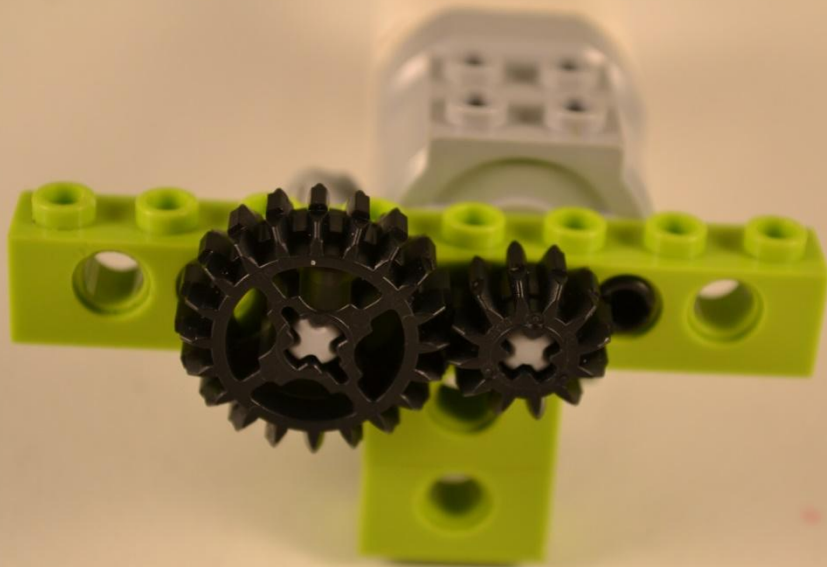
SPEED

If you want more speed by using gears you'll get less power.

POWER

If you want more power by using gears you'll get less speed.

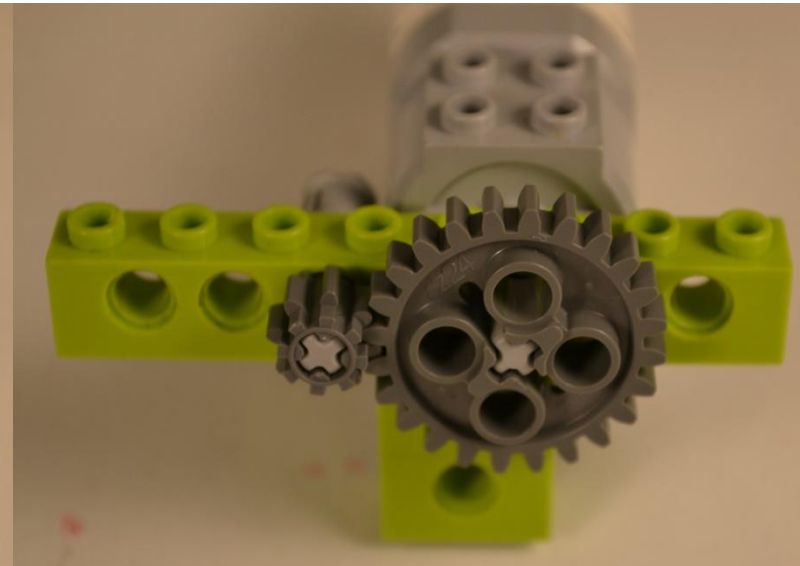
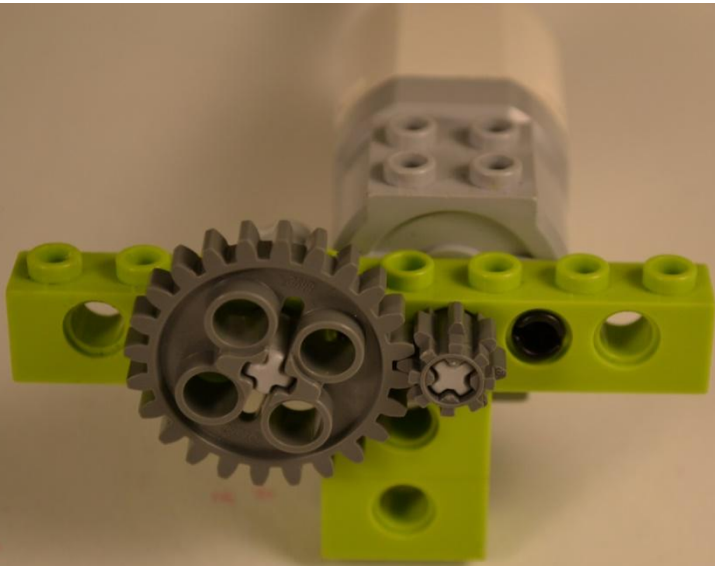
Using LEGO WeDo 2.0 you can do this:



Task:

The truck finishes distance of 1 meter in 15 seconds with 8 teeth gear powering 24 teeth gear which powers trucks wheels.

How much time will it take to finish the same distance with 24 teeth gear powering 8 teeth gear?



For example, you can use this program, that allows the truck to start moving by waving your hand in front of the sensor and stop when it senses an object in front of it:

