Design & Technology: Year 6 Inventions & Engineering

Year 6

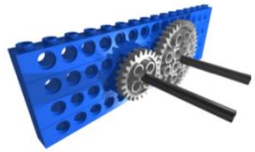
Key vocabulary

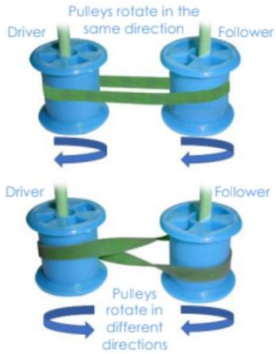
drive belt	the belt which connects and transfers movement between two pulleys
pulley	a grooved wheel over which a drive belt can run
gear	a wheel with teeth around its circumference
motor spindle	the rod on the end of the motor onto which a gear or pulley is attached
shaft	a long, narrow cylindrical part of a mechanism
rotation	circular motion

Key knowledge

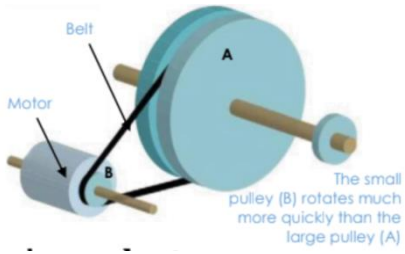
Gears can be used to transfer motion from one shaft to another.







Cotton reels make good pulleys. The driver (the pully controlled by the motor) can turn the follower in different directions by using an elastic band as a drive belt.



Different sized pulleys, connected together, can reduce the speed of rotation from a motor.

We are building on our knowledge from planets model in year 5

This links to our control technology work in Computing

