



Key vocabulary:

- Hydraulic power
- water mill
- pulley
- gears
- driver
- gear train
- direction
- movement
- speed



An example of a battery operated car project.

Richard Arkwright invented the water frame.



Fairness and togetherness in DT is working together to design and make a project, and fairly and respectfully listening to others' opinions to help improve the design.

A pulley is a **wheel** with a **belt** or **rope** that goes around it. The **belt** has a **groove** in it to prevent the belt or rope from slipping off.

Gears are **wheels** with teeth on the outer edge.

They are designed to fit into the teeth of other **gears**, so that they mesh or interlock together.

Gears are used to **increase** or **decrease** the **speed** or **power** of rotary motion.

