



Knowledge Organiser

Year 2— Mechanisms

How do gears work?

Vocabulary	
Build	to make by joining together different parts and materials; construct.
Make	to bring into being by building from separate parts.
Purpose	a reason or plan that guides an action; design or goal.
Function	the purpose or role that an object or a person fulfils or is suited for.
Appeal	the ability to attract interest and attention.
Develop	to bring out the potential of; advance to a more complete or more effective condition.
Plan	a way something is to be done that is thought out ahead of time.
Method	a way of doing something.
Components	a part of something.
Construct	to build; put together.
cutting	To pierce, slice, or open with a sharp tool such as a knife, axe, saw or scissors
Shaping	to give a certain form or shape to; mould.
Joining	to put, bring, or fasten together.
Finishing	to put a polish on or coat the surface of.
Mechanism	the whole or parts of a machine, mechanical system, or device.

What should I already know?

EYFS – simple mechanisms, simple structures
Year 1 – levers

What will I know by the end of the unit?

Children will design and make moving vehicle using wheels and axels. This product could have the potential to fly.



Notable Inventor

Ramon Llull—was a philosopher, theologian, poet, missionary, and Christian apologist from the Kingdom of Majorca. He invented the first pop up book which was more of a machine than a book.

Henry Ford—was an American industrialist, business magnate, founder of the Ford Motor Company, and chief developer of the assembly line technique of mass production.

The Greek Polymath Archimedes— was a Greek mathematician, physicist, engineer, astronomer, and inventor from the ancient city of Syracuse in Sicily.