

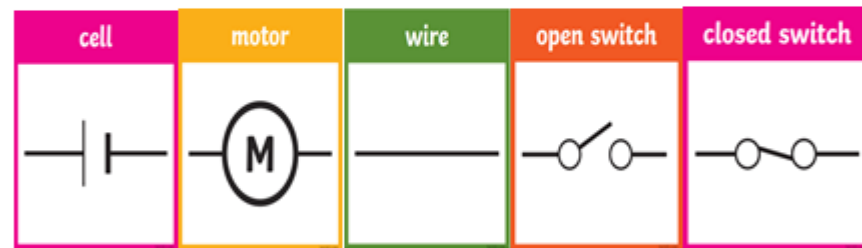
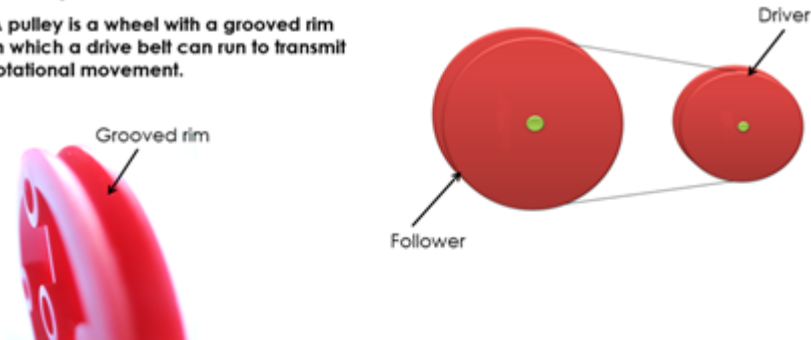
Year 4 Design and Technology: Electric Vehicle Knowledge Organiser

Unit Vocabulary –

user	a person who uses something
purpose	the reason why something is done or created
design features	characteristics that meet an intended user and purpose
design brief	a document or set of instructions that outline what the purpose of the project is and what is required
design criteria	The precise goals that a project must achieve in order to be successful.
functional properties	how something works
aesthetic properties	how something looks
input	the trigger that makes a system do what it is supposed to do
process	the part of a system that receives a signal from the input components and then tells the output components what to do
output	the part of the system that does the work
assemble	to fit together separate components
finish	to complete the manufacture or decoration of a product by giving it an attractive appearance
framework	an essential supporting structure of a building, vehicle, or object

Pulleys

A pulley is a wheel with a grooved rim in which a drive belt can run to transmit rotational movement.



Wheels and Axles

The wheels on the toy car move at the same time and speed because each pair of wheels is attached to a pole called an axle. Real vehicles, such as cars and vans, also have axles.

