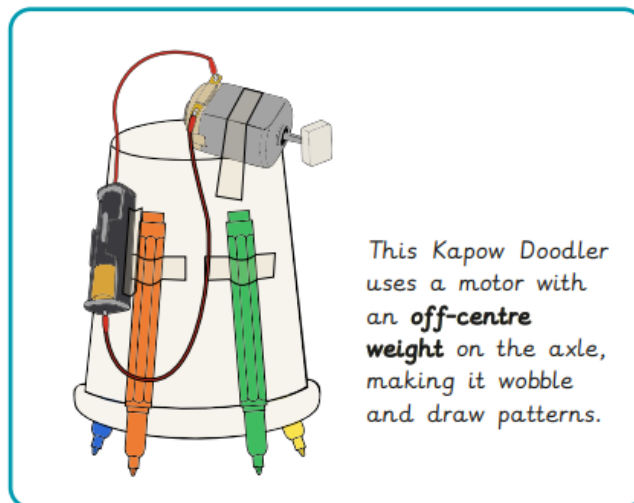


The Marist Primary School	Knowledge Organiser	
Year 5 Autumn: Electrical systems – wobble bots	Key Question: Can I explore circuits and motors to create moving product?	

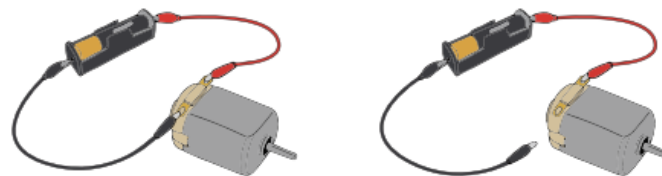
Lesson 1 Can I investigate motors by creating circuits?	Lesson 2 Can I make a motorised product and test its function?	Lesson 3 Can I experiment with product design?	Lesson 4 Can I design a motorised product for a purpose?	Lesson 5 Can I make and evaluate the effectiveness of a motorised product?
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Vocabulary

assemble	To put parts together.
charge	An amount of electrical energy.
design criteria	The important features that a product must have or do to work correctly.
evaluate	Looking at the good and bad points about something and thinking about how to improve it.
product	Something that has been made to be used or enjoyed by someone.



A **circuit** is a path that electricity can **flow** around.



Electrical components are parts of a circuit such as a bulb, battery, wires or a motor. A **motor** is an electrical component that uses electricity to make something move.

The motor axle turns when the circuit is a complete loop because the charge can flow around. If the circuit is not a loop, the axle will not turn.

A **diagram** is useful when designing a **product**. It can show what the product will look like. **Annotate** the diagram with labels that explain each part.

