Design and Technology - Knowledge

Year 6 – Electric

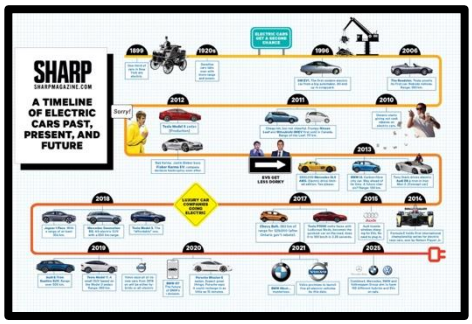
Key vocabulary

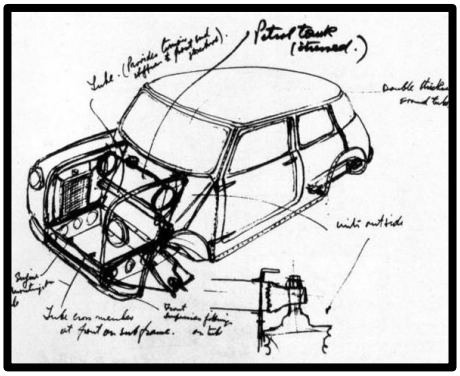
- Motor
- Battery
- Pulley
- Axle
- Frame
- Strength
- Rigid
- Circuit
- Speed
- Triangulation
- Crossmember
- Wheel
- Body

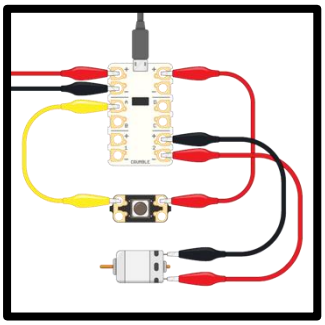
Electric vehicle

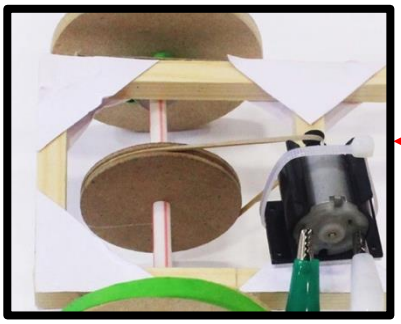
Design brief

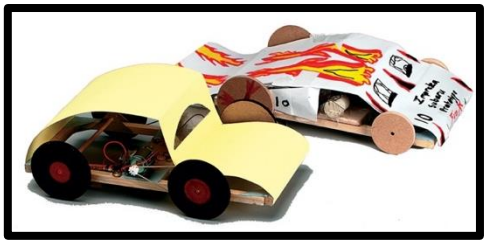
Design, make and evaluate an electric vehicle that can be used in a race. Your vehicle should have a body style that suits your chosen purpose, such as carrying cargo, transporting people or going fast.











Skills

- I can use a range of information to inform my design.
- I can justify plans to someone else.
- I can use exploded diagrams to showcase my design.
- I can follow and refine plans.

Design

- I can use tools and materials precisely.
- I can make my product attractive and strong.
- I can choose the tools most suitable for the task.
- I can make a product that looks like my plan.

Make

- I can think about the aesthetic qualities of my work.
- I can think about the functionality of my work.
- I can test and evaluate the final product.
- I can say if my product is fit for purpose.
- I can evaluate what would improve it.

Evaluat