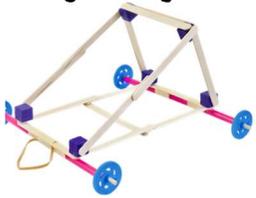


Year 4 Knowledge
Organiser –
Making a slingshot car



Key Facts:

Which vehicle has the least air resistance?



Key Vocabulary:

- Aesthetic** – how an object or product looks.
- Air Resistance** – the level of drag on an object as it is forced through the air.
- Chassis** – the body of a car.
- Design** – to make, draw or write plans for something.
- Design Criteria** – a set of rules to help designers focus their ideas and test the success of them.
- Function** – the purpose of an object (for example a chair needs to hold a person when sitting down); or how the product works (for example a torch needs to provide light in a dark space).
- Graphics** – images which are designed to explain or advertise something.
- Kinetic energy** – the energy that causes an object to move.
- Mechanism** – the parts of an object that move together as part of a machine.
- Net** – a flat 2D shape, that can become a 3D shape once assembled.
- Structure** – something that has been made and put together and can usually stand on its own (e.g. a building, a bridge, a chair).

Key Facts:

Front View



Bird's-eye View



Side View



Did you know?



Some of the first toy cars were made in 1901, that's over 100 years ago.