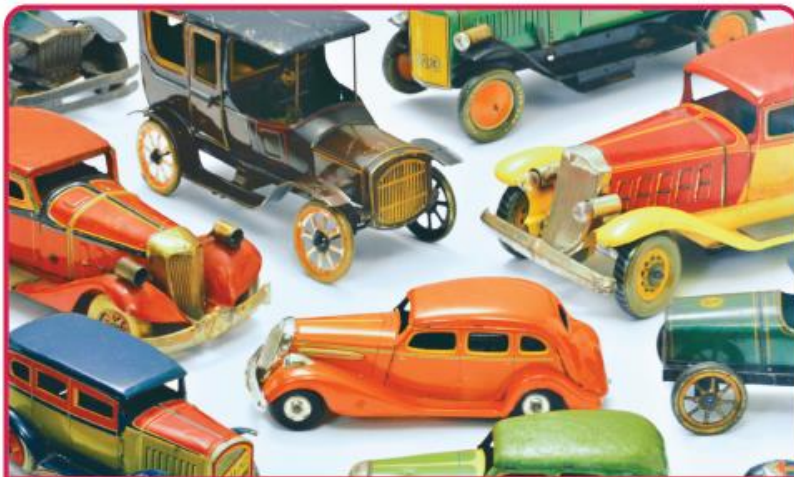


Mechanical Systems - Slingshot car

| | |
|-----------------|---|
| 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 (eg a building, a bridge, a chair). |

Did you know?



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

Which vehicle has the least air resistance?



Key facts



Front view



Bird's-eye view



Side view

