

Key Facts

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

Matchbox sized cars are very popular today.

This is John William Jack Odell (1920-2007).

The daughter of the inventor (Odell) was only allowed to take toys the size of a matchbox to school so he invented a car the size of a match box for her in 1952. He soon saw how popular they were and then mass produced them.

The most expensive toy car sold for over £5,000,000



Key words	Explanation
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 the 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 examples a chair needs to hold a person when sitting down).; or how the product works (for examples 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, bridge, a chair)

Key Questions

What do you need to consider when you make a food item or dish in bulk?

Do you have the same preference in flavour as your partner? Why do you think that is?

Which vehicle has the least air resistance?



Front view

Side view

Bird's-eye view

