

# Year 1 Swans

## DT

### Spring 2



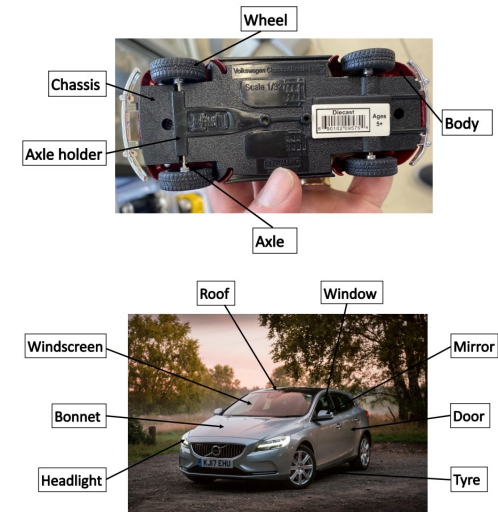
## Moving vehicles

### Researching and Evaluating

Researching and evaluating involves looking at existing products and finding out about the materials which have been used to make them. By looking at the products we are able to decide which material is the best to use to create new products and which design we like the most and would like to recreate.

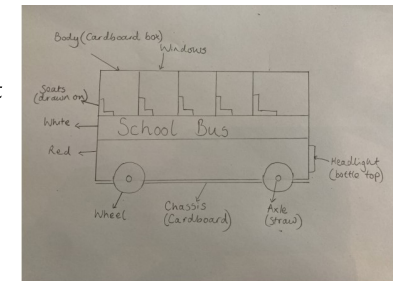
### Different parts of a vehicle

Each of the different parts of a car have a different function. Diagrams of a vehicle can help to design and make our own vehicles. The axles help to move the wheels. The chassis is the framework of the vehicle, and carries the main load of the vehicle. Depending on how big the vehicles is depends on how many wheels they have. A small moped will have 2 wheels and a large lorry will have 8 or more.



### Designing

Designing a project helps the designer see how much material they are going to need and what other materials/decorations to make their product. Designing also allows the designer to make changes to their product before they begin to make it to get the best results from their piece.



Key Vocabulary	Definition
appearance	What something looks like
axle	A central shaft for a rotating wheel or gear
chassis	Load-bearing framework of an object
design	A plan or drawing to show what something will look like
evaluate	To assess a piece of work that has been completed
function	The way something is used
investigate	Make an inquiry to find out something
material	What something is made from
properties	The characteristics of something
recycle	To use something again
research	To investigate something
vehicle	A machine designed for transport

### Vehicles

There are many different types of vehicles, some which move on land and some that move on water. Vehicles that move on land have wheels which are attached to the bottom of the vehicle using an axle which helps to rotate the wheels, moving the vehicles forwards and backwards.



*End of Unit: Moving vehicles*

*Why is it important to design a product before you make it?*

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*Why is it important to evaluate a product?*

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*What different types of vehicles are there?*

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