



YEAR 1
Design Technology:
Wheels and axles
Victorian Wheeled Toy

What I should already know

Eplore and use a range of construction kits.

Develop practical skills and techniques using a range of construction materials.

By the end of this unit:

Follow procedures for safety.

Use a range of materials and components.

Measure, mark out, cut and shape out materials and components.

Assemble, join and combine materials and components.

Design Criteria:

I am making a two-wheeled toy for a Victorian child for Christmas.

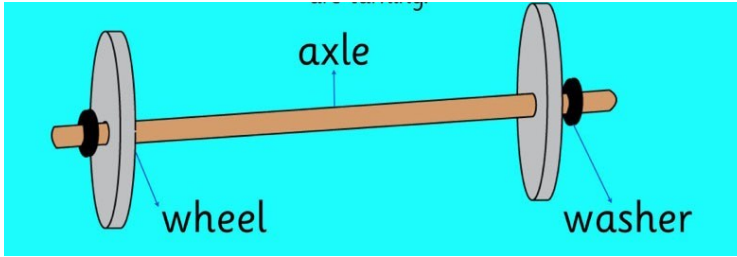
Health and safety

Always use safety round-headed scissors and supervise pupils appropriately during the activity.

Using PVA glue: use only water-based products and wash hands after use.

Using glue guns: use only cool melt glue guns and always under adult supervision

Turn off glue guns if not used for 30 minutes or more.



| <u>Vocabulary</u> | |
|--------------------------|---|
| Assemble | Fit together the separate component parts of an object |
| Axle | A rod passing through the centre of a wheel or group of wheels |
| Component | Part of a larger model or machine |
| Construct | Build or make something |
| Fit for purpose | Well equipped or well suited for its role or purpose |
| Glue guns | Device which melts glue sticks. The glue will be stronger and dry quickly. |
| Measure | To use a ruler to make sure the measurements for each component are accurate and fit together |
| Plan | A detailed proposal or design for the model to be built |
| PVA glue | Liquid glue that is safe for children to use |
| Template | A shaped piece of paper or card used as a pattern for the process of cutting out |
| Washer | Small metal, plastic or rubber ring fixed between two surfaces to act as a seal or spacer |
| Wheels | Circular object that revolves on an axle and is fixed below a vehicle to enable it to move along the ground |