

Learning Flow

Design Technology - Y1/2 - Term 5 - Wheels and Axles

Roots Lesson - What do we already know?

Topic Toolkit- Prior knowledge ,
What do we already know?

What questions do we have?

Vocabulary

Research - Why are axles important?

- BBC Teach
- Introduction to wheels and axles through exploration of various objects with wheels and axles.

Research

- Experiment with different sizes and types of wheels and axles to explore movement.
- <https://www.bbc.co.uk/bitesize/articles/zm7p9g>

Design

- Design a wheeled vehicle that could have been useful during the Great Fire of London.

D1Y1 Draw a simple picture of an intended design with basic labelling.

Make

- Construct the vehicle designed in the previous lesson using basic tools and materials
- Make frame, axles and wheels
- Select material, tools and equipment
- Measure and cut accurately
- Join safely and securely

M1Y2 With support choose appropriate materials and suggest ways of manipulating them to achieve a desired effect

T3Y2 Attach features to a vehicle (e.g. an axle and wheels).

Join appropriately, with glue and/or tape, for different materials and situations.

Evaluate

- Does it fit design criteria? : Check your moving vehicle works. :
- Evaluate your vehicle. Answer these questions, What do you like about it? What did you find difficult doing? What could you have done differently to improve.?

ASSESSMENT

Knowledge - Socratic

Skills -

Revisit Topic Toolkit - What do we know now?