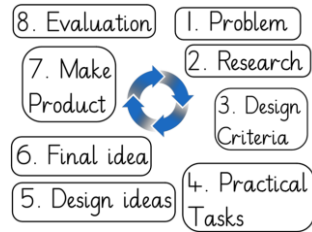


Design process



Vocabulary

free axle
Fixed axle
axle holder
chassis
friction
wheel
hose

Links to other subjects

Science: materials
Maths: positional language, measurement, and shapes
Art/Design: colour, layout, materials
Learning theme: Great Fire of London

DT – Y2 Mechanisms

(wheels and axles)

Key knowledge and skills

- We can build a model fire truck that could transport water.
- We can explore and evaluate existing products.
- We can build simple structures, exploring how they can be made stronger, stiffer and more stable
- We can talk about and start to understand the simple working characteristics of materials and components
- We can select from and use a range of equipment to perform practical tasks.
- We can select from and use a wide range of materials and components.
- We can explore and create products using mechanisms, such as levers, sliders and wheels.
- We can evaluate our ideas

Health and safety

We can cut card
We can use scissors safely

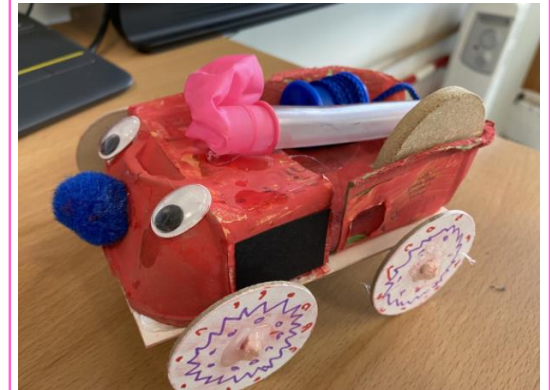
Equipment used

Egg box, card, dowells, tubing,
Balloons, straws, wheels, paint, tape



Outcomes

Designing and making a fire truck



Links to prior learning and next steps:

EYFS Design and making areas
and construction resources