

Royal Quest (Moving Vehicles)

Design and make a vehicle for the royal procession

DT Theme:
Mechanisms unit

Teaching focus:

Learning Lens: mechanisms

Class: Year 2

Previous Knowledge

Moving pictures (Y1)

Project Hook or 'Wow' memory

Make their own moving vehicle

Learning Steps

Key Knowledge

To investigate a variety of vehicles and their uses and features.

Identify what a vehicle is, and identify its features.

To investigate wheels, axles and chassis.

Know the two different ways wheels and axles can be used:- wheels firmly fixed to the axle so the axle moves the wheels around, or - wheels loose on the static axle so that the wheels can turn around.

To be able to investigate ways of creating and decorating the chassis of a vehicle.

Explore different ways of creating the chassis of vehicles.

To be able to design a vehicle for the Royal Procession.

The vehicle must have wheels that move, axles and a chassis.

To be able to make a vehicle based on a design.

Follow their designs to make their vehicles.

To be able to evaluate a finished product.

Explain how well they think they did with the vehicles, what they did really well, what they think they could improve.

Key skills

Attach wheels to axles and chassis.

Build chassis

Design their own vehicle

Follow their designs to create and make their vehicles

Key vocabulary

wheels
axles
chassis

hacksaw
dowel

Final outcome

Children will have made a vehicle for the Royal Procession.
Supported by partner work, word mat, modelling, adult support where needed

