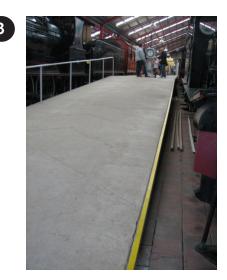


Find the Glenelg Line Signal, located near row 3. Find a lever, wheel and pulley. You can operate this interactive exhibit.

Pull the lever to move the signal. If the arm is pointing straight out should the train stop or go? (Clue: read the instructions)

STOP



Go to the large platform - Break of Gauge Platform in the Fitch Pavilion

What simple machines can you find on the platform?

trolleys and wheel barrow

Is the machine a example of a lever or a pulley?

lever

do you push or pull the machine?

push

also discuss

- ramps/platforms versus stairs
- luggage and goods
- height of ramps
- energy and force to move objects
- do you need less energy and force to move objects on a ramp/platform



Power/energy Introduction

Types of power/energy have been used over time to help move wagons, vans, carriages etc

Find the MIC 4 (refer to your map and photo) Complete the sentence, by underlining the correct answer. The car was operated by steam/motor/hand? motor



Find the locomotive - Rx93 It is in the Fitch Pavilion. **Underline the type of power that moves this locomotive** steam



Find the fire truck in the photo. It is near the entrance of the Fitch Pavilion. Sorry you cannot move this exhibit.

Can you find a lever, axle or wheels? How is the truck moved? hand



Look at the display in The Long Journey - Women In Railways.

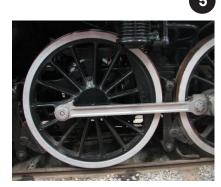
Find the red Hard Yakka 3 wheel Pump Trike

Complete the sentence, by underlining the correct answer.

The trike was operated by motor/steam/hand? hand

Is the trike moved by pushing or pulling? pushing and pulling

Can you find a lever?





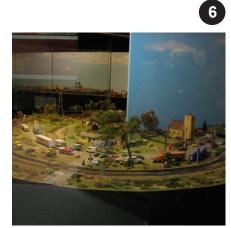


Wheel and Axle Introduction

• the axle is a rod that goes through the wheel and lets the wheel turn

Explore the museum. Discuss the size of locomotive wheels. Look for the axle.

How was the Explosives Van moved? horses







Go to the Model Railway and the display cases (refer to your map) List the toys and models that can be pushed and pulled. Discuss the objects in the Model Railway. How are they moved/ powered in real life.

Display cases old tin toy pushed by hand modern model trains powered by electricity

Model Railway boats, cars, tractors, buses are powered by motors cranes lifts cars, locomotives and goods earth mover lifts soil and rocks windmill blades and baloons are pushed by the wind airship is pushed by the wind locomotives (at the front of the train) pull carriages and freight tug pulls ships and boats