

The steam engine

This is a steam engine called Rough Pup. It is one hundred and thirty years old! It is dark red and black, has 4 wheels and no cab. Rough Pup needs coal and water to make it go. The water is in a tank between the footplate and the chimney and the coal bunker is between the footplate and the water tank.

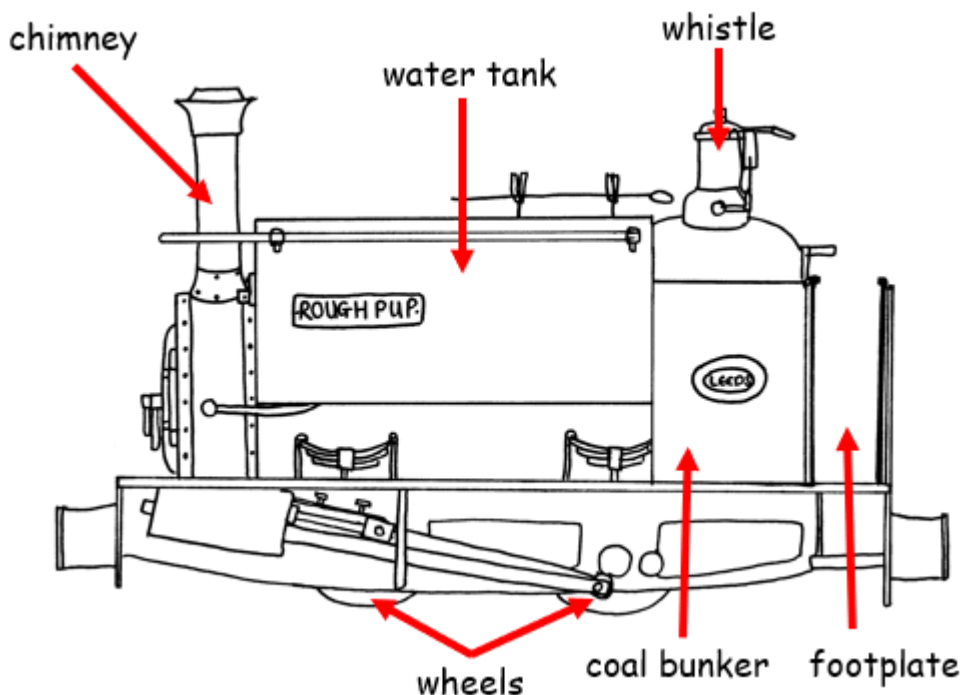


Challenge:

Colour the coal bunker and water tank in dark red.

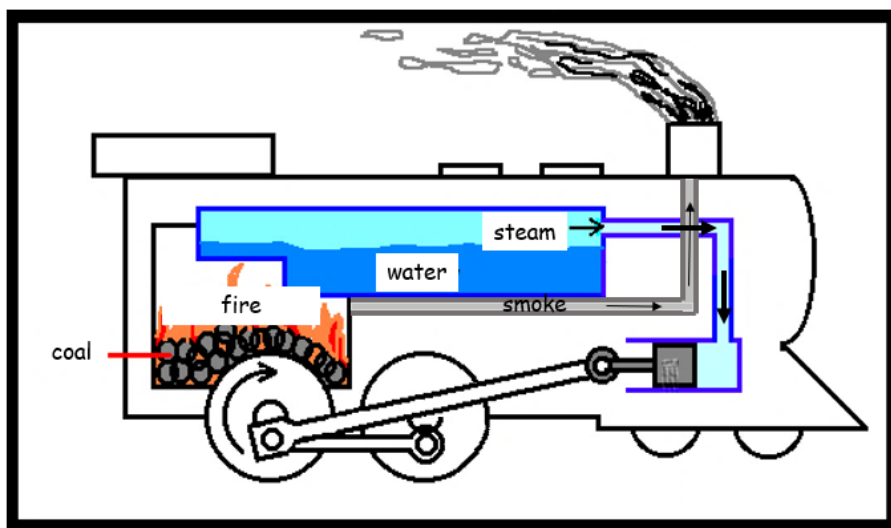
Colour the chimney and wheels in black.

Colour the whistle in yellow.



How does a steam engine work?

A steam engine is a bit like a kettle. The first thing you need is a very hot fire. Most steam engines use coal to keep their fire burning hot. The fire heats up the water. When the water boils it makes steam and the steam makes the wheels go round. The smoke from the fire goes up the chimney.



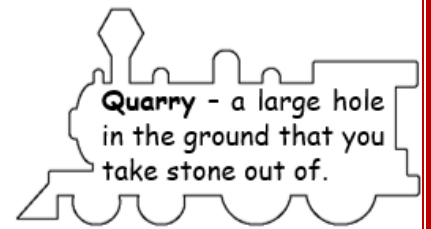
Challenge:

Can you tell your adult how a steam engine works?

Use the picture to help you.

Where did "Rough Pup" work?

Rough Pup worked in North Wales in a town called Llanberis. On some hills near the town men got a rock called slate out of the ground. Rough Pup had to pull trucks full of slate away from the quarry.



Rough Pup now lives in the Narrow Gauge Railway Museum in Tywyn.



Challenge: Can you find where you live on a map? Can an adult show you where Llanberis and Tywyn are? Which one do you live closer to?

Tracks for engines.

Rough Pup runs on track that is 58cm wide.

Talylyn engines run on track that is 69cm wide.

A main line engine runs on track that is 144cm wide.



Challenge: Can you find the difference between how wide Rough Pup's track is and how wide Talylyn's track is?



Challenge: There are some words hidden in the grid. Can you find them? One has been done for you.

WATER
WHEELS
COAL
ENGINE
~~QUARRY~~
SLATE
SMOKE
STEAM
TRACK
ROUGH PUP

