

# How Has Transport Changed?

# Learning Objectives

- **To understand how transport methods have evolved over thousands of years**
- **To learn which forms of transport are the most sustainable, and how this affects our environment**

## Schools GoSmarter

**It all began, of course, with WALKING, since no fossil fuels or special vehicles are needed for this! Early cave dwellers used good old 'shank's pony' to get them where they needed to go. Foot power ruled!**



## Schools GoSmarter

**In ancient times, thousands of years ago, people got tired of moving themselves and their possessions under their own steam, and started to use donkeys and horses to travel and to transport things.**



**Around 3,500 BC, the wheel was invented – an event often referred to as the greatest invention ever made! The genius of a wheel is that, together with an axle, it overcomes friction by rolling.**

**The first wheels were simply solid discs, carved from one lump of wood.**



**As tools became more sophisticated and techniques in woodwork improved, wheels developed further and began to be made with spokes. They were used to make simple carts to load goods onto.**

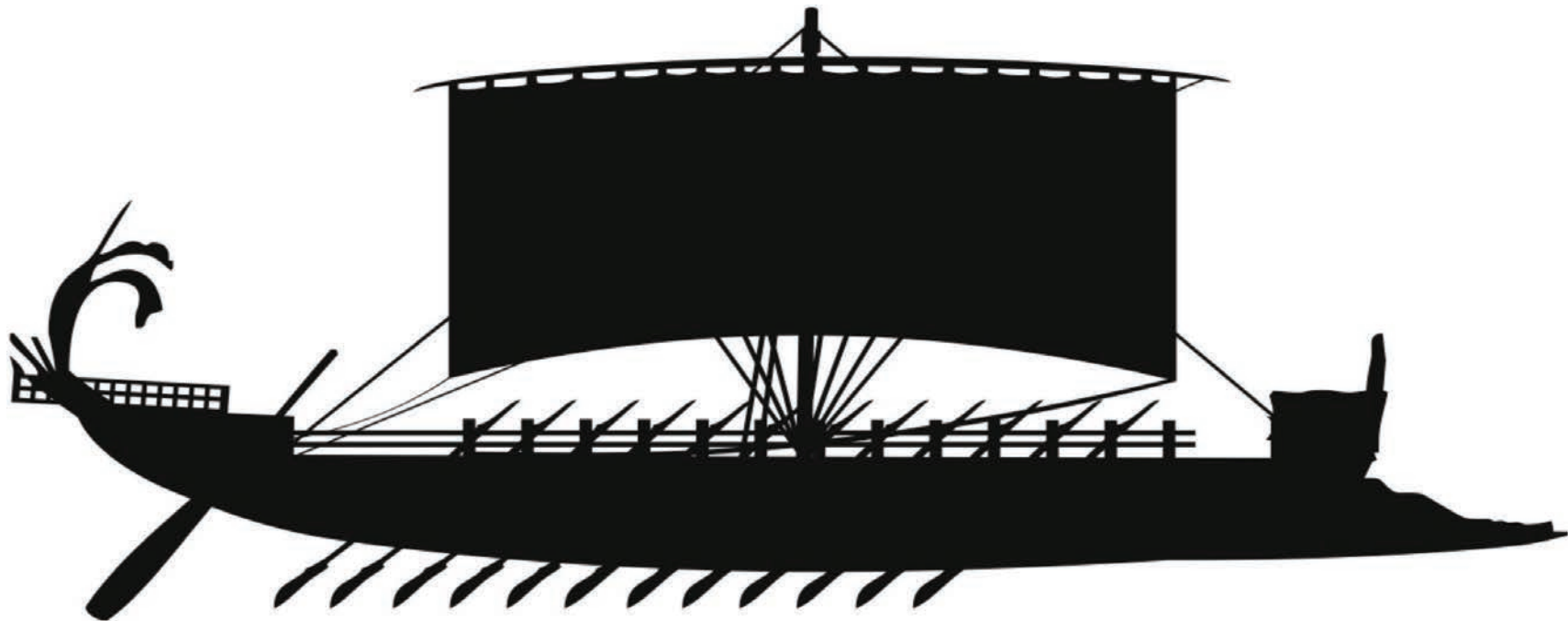
**But who or what was providing the power for this form of transport?**



**The very first boats were canoes, dug out from logs.**

**But around 3,100 BC the Egyptians invented the sailing boat. It was made of bundles of reeds tied together.**

**Within a few hundred years, the Egyptians began making wooden ships. How do you think these were powered, and did this produce any form of pollution?**





# Schools GoSmarter

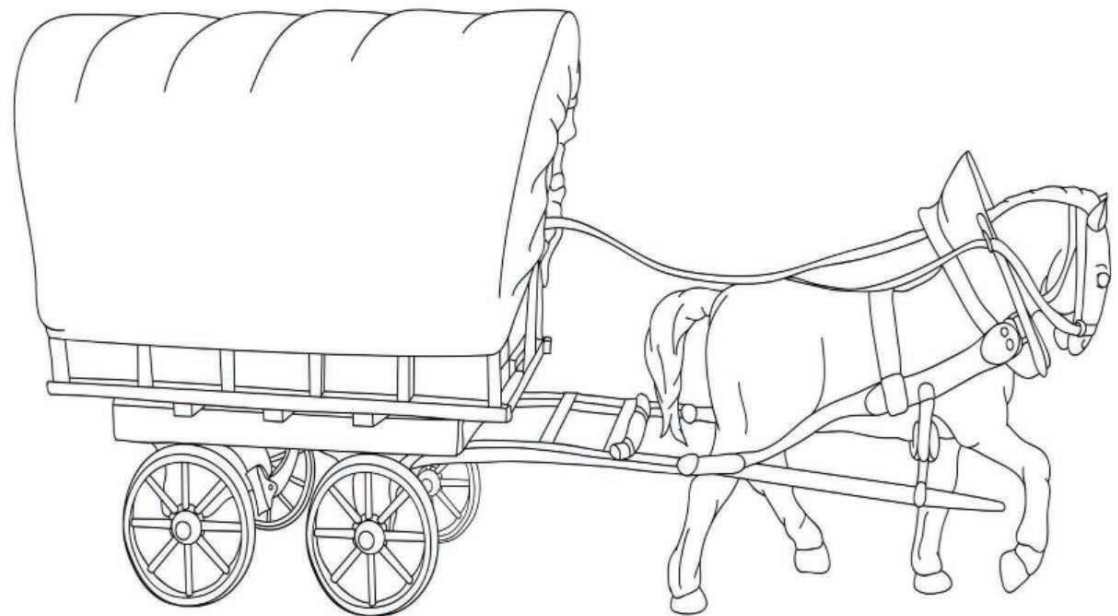
**The Romans are famous  
for building roads.**

**Their impressive, straight  
roads helped their armies  
march from one area  
to another.**



**In the Middle Ages in Britain, rich people travelled on horseback or in cloth-covered wagons.**

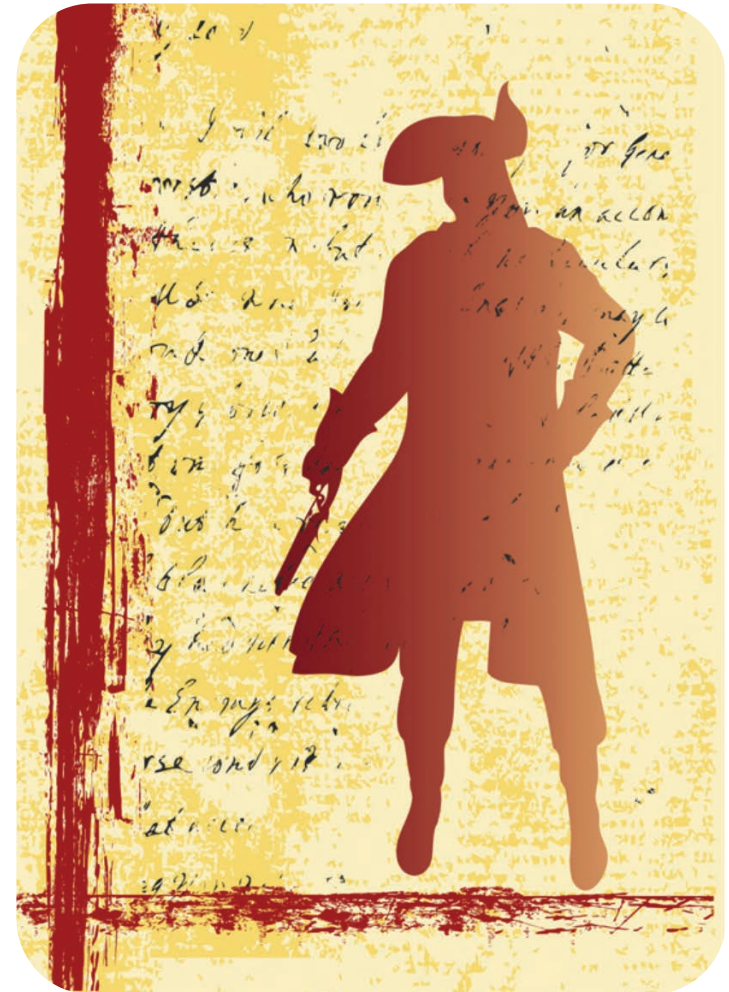
**Travel was very slow compared to what we experience today!**



# Schools GoSmarter

**During the 18th Century,  
rich men improved the roads  
and they charged people  
tolls to use them.**

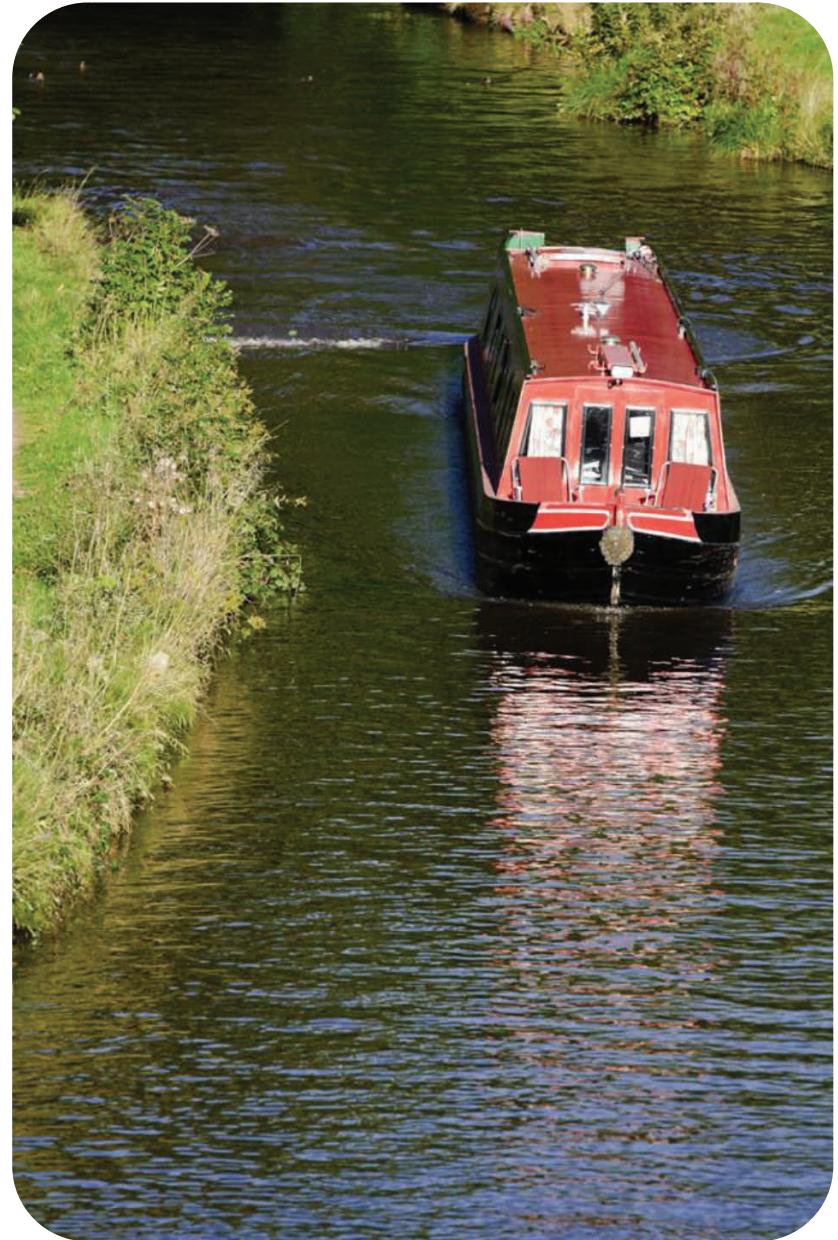
**But using the roads could be  
dangerous due to highwaymen  
such as DICK TURPIN!**



## **Schools GoSmarter**

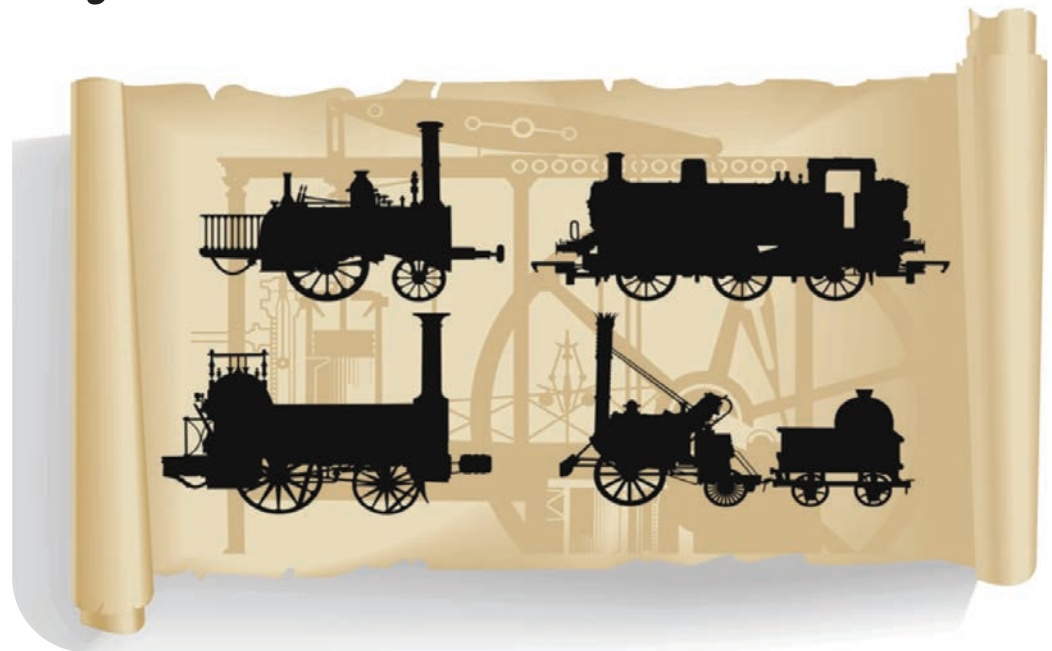
**In 1759 the first canal was built. Lots more were dug in the late 18th and early 19th Century.**

**It was a much cheaper and popular method of transporting goods.**



**The development of the railways made a huge difference to transport in the mid 19th Century.**

**Most towns in Britain got connected and by the end of the century there were also many branch railway lines connecting villages.**



**Another very popular method of transport was arriving around this time – The Bicycle!**

**In 1817 the 'Hobby Horse' was invented by Karl von Drais. It was made of wood and you pushed it along with your feet!**

**Then Kirkpatrick Macmillan first put pedals on a bicycle around 1840.**

## Schools GoSmarter

In **1861**, Michaux invented the **Velocipede** with pedals fitted to the front wheel, like a child's tricycle.

Then the **Penny Farthing** was developed.



## **Schools GoSmarter**

**Next came the **Safety Bicycle** with chain and gearing.  
The pneumatic tyre was introduced in 1888.**

**The basic design of the  
bike stayed the same  
for many years.**

**More recently there  
have been improvements  
which also helped  
cycling develop  
as a sport.**





## **Schools GoSmarter**

**The first cars appeared at the end of the 19th Century and they became more common after the First World War.**

**It wasn't until the 1960s that cars became very commonly used and by the 1970s most families owned one.**



# Schools GoSmarter

**There are now so many cars that many people are worried about congestion and the effect this is having on our world and our health.**



# Schools GoSmarter

**Many people think we should walk, cycle or use Public Transport in the future instead of travelling by car.**

**Public Transport such as buses, trains, metro and trams are a much more efficient use of fuel because they can carry lots of passengers at once.**



# **Schools GoSmarter**

**Transport has changed  
and it will change  
in the future.**

**Perhaps we will get  
to travel into space!**



# Schools GoSmarter

**But walking and cycling  
might be the most popular  
ways to travel in the future  
as we all try to stay fit  
and healthy and look after  
our planet!**



## Task:

**Create an illustrated timeline to show how transport has changed from walking when there were no other choices, to walking as a good and healthy choice now and for the future.**

**Try to remember the order of when these methods of transport were first used:**

- **Bicycle**
- **Car**
- **Horses**
- **Rocket**
- **Horse and wagon**
- **Bus**
- **Trains**
- **Donkeys**
- **Canal boats**