



Primary History








Travel and transport

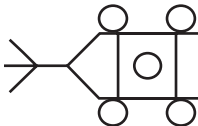
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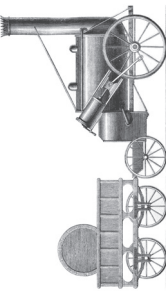
Knowledge organiser

Vocabulary	
assembly line	a line of people/machines in a factory, each making a different part of a product
carriage	a small vehicle pulled by horses
century	100 years – for example, the 20th century lasted 100 years, from 1901 to 2000
engine	a machine that uses energy (like heat from coal, or electricity) to make movement, e.g. a steam engine, an electric engine
engineer	a person who uses science and maths to design and build engines, machines, etc.
horsepower	a way of measuring an engine's power by comparing it to a horse's speed and pulling power
locomotive	a train engine attached to wheels, powered by steam
maglev	a train powered by magnets and electricity
mass-produced	something made in big numbers, usually by machine
vehicle	something used for transporting people or objects, e.g. a car or lorry


Important people	
 <p>Richard Trevithick The engineer who invented the first working railway steam-powered locomotive in 1804.</p>	 <p>Robert Stephenson The creator of a steam-powered locomotive called 'The Rocket', which won an important competition (the Rainhill Trials) in 1825.</p>
 <p>Karl Benz The engineer who helped invent one of the first working motorcars in 1885.</p>	 <p>Orville and Wilbur Wright Better known as the Wright brothers, who invented the first working aeroplane in 1903.</p>
 <p>Henry Ford The creator of the Ford Motor Company, who sold the first mass-produced car in 1908 and helped set up the first assembly line in his factory.</p>	 <p>Hideo Shima The engineer who helped create the super-fast bullet train in Japan in 1964.</p>
 <p>Amelia Earhart The first woman to fly across the Atlantic Ocean.</p>	




3500 BCE
The first image of wheels being used for transport is made.



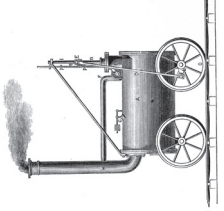
1829 CE
Robert Stephenson's 'Rocket' steam locomotive wins the Rainhill Trials.



1903 CE
The Wright brothers fly the first aeroplane, the Wright Flyer.




1932 CE
Amelia Earhart is the first woman to fly across the Atlantic Ocean.




1804 CE
Richard Trevithick's steam locomotive makes its first journey.



1885 CE
Karl Benz creates his first motorcar.





















1908 CE
The Ford Motor Company starts producing the Model T, the first mass-produced car.



1984 CE
The first maglev train is built in Birmingham, UK.

4 Learning review

Lesson	Lesson question	You will learn about...	Learning review
1	How did the wheel begin to change lives?	<ul style="list-style-type: none"> different types of transport. the history of the wheel. making a timeline. 	 <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>
2	How much has changed?	<ul style="list-style-type: none"> the differences between early and modern versions of some types of transport. using a timeline to tell a story. 	 <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>
3	Did everyone welcome the railways?	<ul style="list-style-type: none"> how trains changed over time. different reactions to steam trains. 	 <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>
4	How has the car developed and did everyone benefit?	<ul style="list-style-type: none"> how cars changed over time. how change can happen at different speeds for different people. assembly lines in factories. 	 <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>
5	How much has changed since the Wright Flyer?	<ul style="list-style-type: none"> the first working aeroplane. the first woman to fly across the Atlantic Ocean. the future of flight. 	 <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>
6	How has transport changed over time?	<ul style="list-style-type: none"> how to tell the story of transport. how changes in transport affected people's lives. 	 <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>

Lesson 1

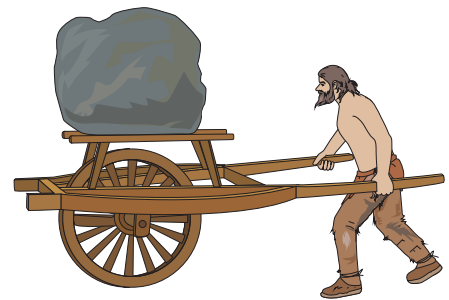
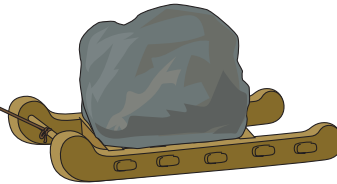
How did the wheel begin to change lives?



Carrying



Dragging



Rolling



1. Look at the pictures. Which method of transporting heavy items do you think would be easiest and fastest? Tick the boxes in the table.

Method	Easiest	Fastest
carrying		
dragging		
rolling		



2. Why do you think the methods you have ticked would be the easiest or fastest? Write your answers.

I think _____ would be easiest because

I think _____ would be fastest because

Lesson 2

How much has changed?

Quiz




Stonehenge (Wiltshire, England), built around 5,000 years ago



Pyramids (Giza, Egypt), built around 4,500 years ago



The Calanais Standing Stones (Lewis, Scotland), built around 5,000 years ago

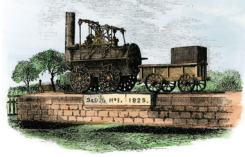
-  1. What is one method that people in the past used to move heavy things, before the invention of the wheel? Write your answer.

Transport 'firsts'



1. Match each transport 'first' with its modern version. Draw a line between them.

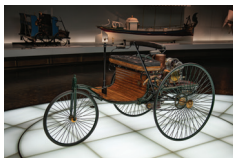
Transport 'firsts'



1825



1817



1885



1894



1903

Modern transport



2. How has your form of transport changed since it was first invented, and how has it stayed the same? Write your answer.

How it has changed: _____

How it has stayed the same: _____

Lesson 3

Did everyone welcome the railways?

Quiz

I. Read the statements below. Tick 'True' or 'False' for each one.

a. Aeroplanes today have the same kind of wings as aeroplanes in the past.

True False

b. Cars today look the same as cars in the past.

True False

Trains in the past and today



A late 19th-century steam train

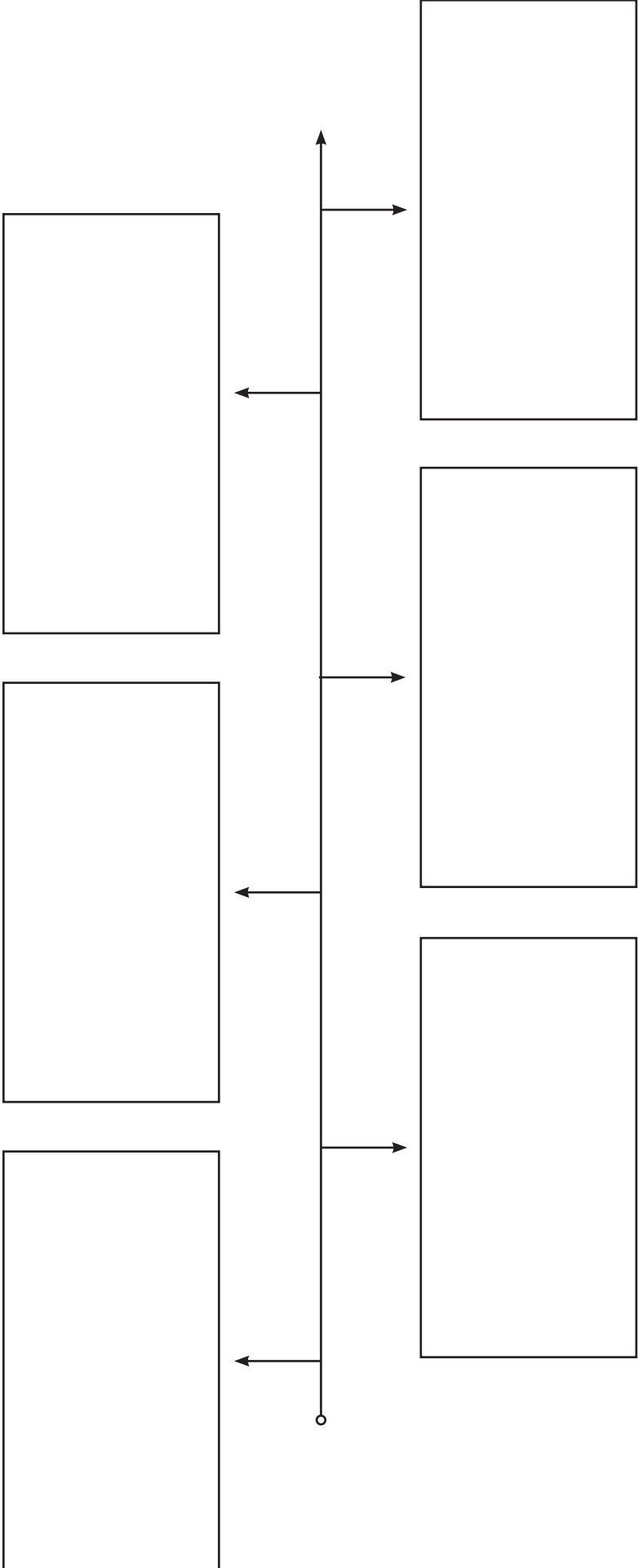


A 21st-century maglev train

Timeline of the train



1. What were the key events in the development of the train? Put your answers into the boxes on the timeline.



Should a new railway line be built in your town?

Imagine you live in a small town in the 19th century called Greenhill. You have to help decide if a railway line should be built in your town. Invent a character who lives in Greenhill and write a letter to the town mayor to give your character's opinion on the railway line.



2. What is your character's name and job? Write your answers.

Your character's name: _____

Your character's job: _____



The Rocket inter-city steam train



3. Should a new railway line be built in Greenhill? Write your letter to the town mayor.

Date: _____

Dear Mayor Williamson,

I believe we _____ build a railway line in Greenhill, because

Lesson 4

How has the car developed and did everyone benefit?

Quiz

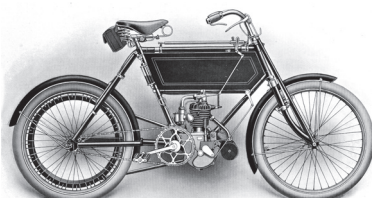
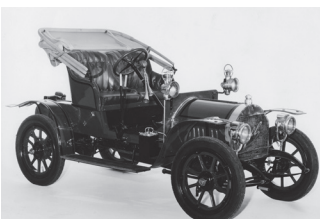
I. Read the statement below. Tick 'True' or 'False'.

We use timelines to show a list of events in the order in which they happened.

True False

Vehicles in 1903





I. What types of **vehicles** do you think you would see in 1903? Tick your answers.



The car through time



2. How has the car changed since 1885? Complete the chart.

	What was the top speed?	How powerful was it (horsepower)?	What was the engine type?
1885 Benz Motorcar 			
1908 Ford Model T 			
1980 Volkswagen Golf 			
2008 Tesla Roadster 			



3. How has the car changed since 1885? Write your answer.

The Model T



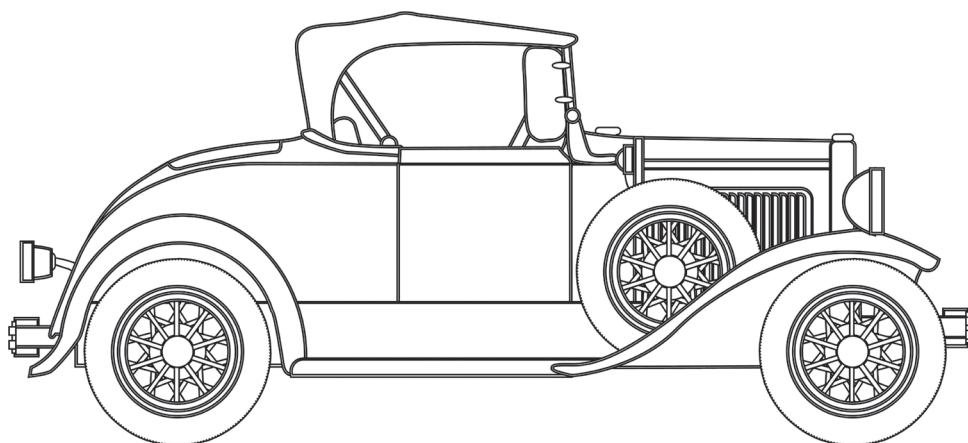
4. Plan your advert for a Ford Model T car.

Model T advert: planning sheet


Prepare a catchy slogan.

What details about the car will you include?
(speed, power, price etc.)


What new things will the buyer be able to do when they have the car? (travel further, faster, etc.)



Extend and stretch: The assembly line

-  5. How many cars did you draw on your own and as a group in two minutes? Write your answers.

Number of cars drawn on my own	
Number of cars drawn as a group	

-  6. Did working on an assembly line make you work faster or slower? Write your answer.

Working in an assembly line made me work _____
because _____



A factory assembly line

Lesson 5

How much has changed since the Wright Flyer?

Quiz

1. How did the assembly line change the production of cars? Tick the correct answer.
- a. It made production slower.
 - b. It made production harder.
 - c. It made production faster.

Making connections

1. Can you find connections between Amelia Earhart and the Wright brothers? Tick the boxes to show whether each statement refers to the Wright brothers, Amelia Earhart, or both.

	The Wright brothers	Amelia Earhart	Both
Famous for being among the first pilots in history.			
Built the first working aeroplane in 1903.			
Flew solo across the Atlantic Ocean in 1932.			
Came from the USA.			

Travel and transport



2. How do you think Amelia Earhart felt as she landed after flying across the Atlantic Ocean? Write your answer.

angry proud relieved sad tired

Amelia Earhart might have felt _____




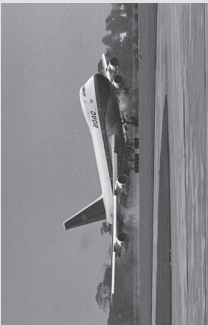

Amelia Earhart



Orville and Wilbur Wright (the Wright brothers)

Would you rather ...?

3. Complete the chart to compare the Wright Flyer, a jumbo jet and the SpaceX Starship.

	How fast it can go	How far it can travel	Number of passengers	Safety	Comfort
<p>The Wright Flyer</p> 				/10	/10
<p>Jumbo jet</p> 				/10	/10
<p>SpaceX Starship</p> 				/10	/10

Travel and transport



4. Would you rather fly in the Wright flyer in 1903, a jumbo jet today, or the SpaceX Starship in the future? Write your answer.

I would rather fly in the _____ because



The Wright flyer



A jumbo jet



The SpaceX Starship

Lesson 6

How has transport changed over time?

Quiz

1. Amelia Earhart was the first woman to fly across which ocean? Tick the correct answer.

- a. Pacific Ocean
- b. Indian Ocean
- c. Atlantic Ocean

Changes

1. How has transport changed over time? Write your answer.

Key words		
aeroplane	jumbo jet	steam engine
carriage	maglev	rocket
electric car/train	motorcar	

Key phrases	
In the 19th/20th/21st century ...	In the future we will be able to ...
These inventions changed people's lives because ...	I think this will change people's lives because ...

Before the 19th century, people travelled using _____

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Primary History

Travel and transport

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