

Ambergate Primary School

Topic: Inventions (Autumn Cycle B)

Focus subject: History

Class: 3

What Should I already know?

- Certain inventions have changed the way we live over time
- Some inventions impact on daily life more than others
- Inventions either solve problems in life or are for pleasure/luxury
- Certain important inventions are everywhere in life (light bulb/electricity, washing machines etc.)
- Inventions change over time (eg. TVs)

What will I find out by the end of the unit?

- Names of important inventors and inventions
- Where certain inventions and their inventors fit on a timeline
- About the life and inventions of Alexander Grahame Bell
- Technologic advances in phones over 25 years
- Which inventions have impacted life the most in terms of productivity and quality of life
- Leonardo da Vinci was many things inc. an inventor

Vocabulary

inventor	Someone who invents or has invented something
technology	Use of scientific knowledge for practical reasons
pioneering	Using new methods to do something
innovations	New ideas, methods or pieces of equipment etc.
patent	Lawful acknowledgment that only the inventor has the right to make and sell their invention
prototype	Test model of an invention
breakthrough	a discovery or achievement that comes after lot of hard work
devise	To invent a method of doing something
discovery	Something that is found or something new that is learned
idea	A thought or suggestion for an invention
product	A thing which is the result of a process

Inventions that changed the world

3500 BC Wheel 	Mesopotamia (modern day Iraq) discovered it made moving trees and rocks much easier when building their settlements. Some would argue this is mankind's most important invention ever. It has been used to discover other great inventions from clocks to vehicles.
1450 AD Printing Press 	Johannes Gutenberg invented the printing press. In the 15 th century iron materials replaced wooden materials. The industrial revolution would not have been possible if it wasn't for the speed with which the printing press allowed documents, books and newspapers to be sent all over Europe. The bible was one of these documents allowing people to start questioning and reasoning by reading for themselves.
1814 Steam Engine 	James Watt designed the blueprint to create the mechanism where combustion of fuel releases a high-temperature gas to put pressure on piston to move it. This invention played a pivotal role in invention of other machinery such as automobiles and aeroplanes.
1876 	Electric Light Bulb – Thomas Edison is attributed as the primary inventor of a bulb that lasted for 1500 hours without burning out. This idea was taken forward by many others to create a workable and bright light bulb.
	Computer – invented by Charles Babbage with the principal of the modern computer being mentioned by Alan Turing. This invention has helped military aircrafts to fly, put a spaceship into orbit, control medical equipment, create visual imagery, store vast amounts of information and allowed the functioning of cars, phones and power plants.
1928 	Alexander Fleming – Accidentally discovered Penicillin when mould grew on another experiment he was carrying out. Penicillin is one of the famous discoveries made in the field of medicine.
1923 Television 	It is believed that the invention of the television was the work of Vladimir K Zworykin and Philo Farnsworth . Television has evolved from mechanical to electronic to colour to digital to smart and now 4D versions.
1876 Telephone 	Alexander Graham Bell joined two cups with a thread and used it to talk from one end to the other. This laid the foundation for another revolutionary invention – the mobile phone.
1989 World Wide Web 	Tim Berners-Lee The web has transformed the way we work in various fields education, music, finance, reading, medicine, dating, networking, language etc.

Book resources



Historical Skills and Enquiry

- A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066.
- Use evidence to describe what was important to people from the past.
- Describe similarities and differences between people, events and artefacts studied.
- Describe how some of the things studied from the past affect/influence life today
- Choose reliable sources of information to find out about the past.
- Give own reasons why changes may have occurred, backed up by evidence.
- Make links between some of the features of past societies. (e.g. religion, houses, society, technology.)
- Use documents, printed sources (e.g. archive materials) the Internet, databases, pictures, photographs, music, artefacts, historic buildings, visits to museums or galleries and visits to sites to collect evidence about the past.
- Order significant events, movements and dates on a timeline.
- Communicate ideas about from the past

Ambergate Primary School

Topic: Inventions (Autumn Cycle B)

Focus subject: History

Class: 3

NAME:

START OF UNIT SHEET

Where and what year was Alexander Grahame Bell born?

What technological advances have there been in phones in the past 25 years?

Other than an inventor, what else was Leonardo da Vinci considered?

Which inventions have had the biggest impact on productivity and quality of life?

What do these words mean?

inventor

technology

pioneering

innovations

patent

prototype

breakthrough

devise

discovery

idea

product

Inventions

Order these in chronological
order (1 = first)

Name their inventors

3500 BC
Wheel
1450 AD

Printing Press

1814
Steam Engine

1876

Television

1923
Telephone

1876
World Wide Web
1989

Ambergate Primary School

Topic: Inventions (Autumn Cycle B)

Focus subject: History

Class: 3

NAME:

END OF UNIT SHEET

Where and what year was Alexander Grahame Bell born?

What technological advances have there been in phones in the past 25 years?

Other than an inventor, what else was Leonardo da Vinci considered?

Which inventions have had the biggest impact on productivity and quality of life?

What do these words mean?

inventor	
technology	
pioneering	
innovations	
patent	
prototype	
breakthrough	
devise	
discovery	
idea	
product	

Inventions	Order these in chronological order (1 = first)	Name their inventors
3500 BC Wheel 		
1450 AD Printing Press 		
1814 Steam Engine 		
		
1876 		
1928 Television 		
1923 Telephone 		
1876 World Wide Web 		