



Ingenious Inventions



Learning Journey:

Through this history topic, children will learn about significant inventors that have contributed to modern life. We will explore what 'invention' means and the process of inventing. Children will develop historical enquiry skills and be asked to make inferences and explain their thinking. They will explore different artefacts, sources of information and consider changes through time. Children will use a variety of historical sources to research a variety of inventors such as Leonardo Da Vinci and Marie Curie. The children will also develop their understanding of human and physical features. Through debating, children will develop their comparing skills and decide which inventor they believe to be the most significant. This will encourage children to use taught historical skills and continue to develop their love of learning about History.

Facts:

- An invention is often created to fix a problem.
- The wheel, knife and the arrow are known as the earliest inventions.
- Some of the inventions **Leonardo Da Vinci** created were the propeller, scissors, parachute and a flying machine.
- **Orville and Wilbur Wright** were American inventors who made the first successful powered airplane flight in 1903.
- **Marie Curie** was the first woman to win the Nobel Prize.
- Some of the most important inventions are the wheel, printing press, light bulb and the internet.
- **James Blyth** helped to create technology that we use for wind turbines today!
- **Sir Tim Bernes-Lee** invented the World Wide Web in 1989 which we use every day.
- **Jewel Plummer Cobb** was the first black woman to earn a doctorate in biology from NYU and the third in the US.

Need to know

inventor
inventions
scientist
product
machine
design
past
present
future
success
aeroplane
research
problem
solution
human features
physical features

Nice to know

develop
artefact
source
significant
technology
discovery
experiment
debate
compare
evaluate
suitable/unsuitable

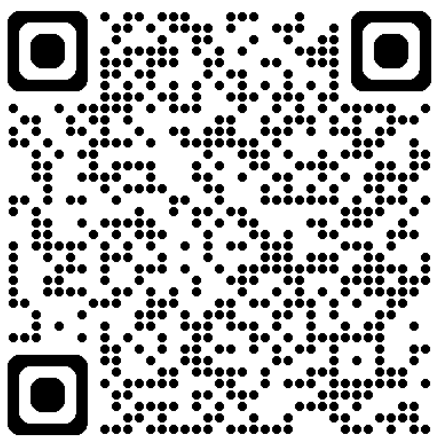
Super specialist

prototypes
modification
patent
collaborate
innovation
pioneer
engineer
legacy
international
achievement
Nobel Prize

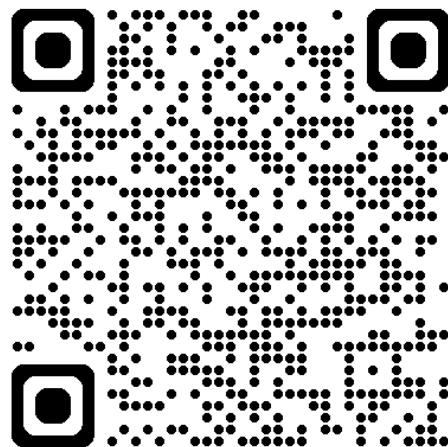
<u>Links to Prior Learning</u>	<u>Key Texts</u>	<u>Links to Future Learning</u>
<ul style="list-style-type: none"> Year 2 have prior knowledge of inventions in a previous topic 'Travel and transport'. Children also have prior knowledge of historical enquiry skills from previous history topics. Pupils have knowledge of inventors in STEM from British Science Week. Links to materials unit in Science. 	<ul style="list-style-type: none"> <i>Norton and Alpha</i> by Kristyna Litten <i>Hidden Figures: The true story of four black women and the space race</i> by Argot Lee Shetterly and Winifred Conkling <i>Marvellous Mattie: How Margaret E. Knight became an inventor</i> by Emily Arnold McCully <i>The girl who thought in pictures</i> by Julia Finley Mosca 	<ul style="list-style-type: none"> Developing historical enquiry skills needed in KS2. Developing a collection of a variety of significant people in history. Future topics in KS2: Battle of Britain and WW2, Travelling through time

Family Fun:

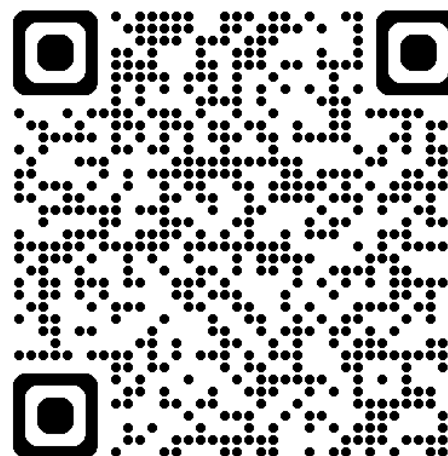
- Visit your local library or on online library to find out about important inventors: Can you make your own list?
- Find out about Marie Curie and take a quiz: <https://www.bbc.co.uk/bitesize/topics/zd4dy9q/articles/z6bnd6>
- Watch Leonardo Da Vinci Biography: <https://www.youtube.com/watch?v=Rm0qszPJnc8>
- Visit a museum to learn more like British Science Museum and the Design museum in London.
- Make your own invention at home, we would love to see what you create!
- Watch the Horrible Histories: Victorian Inventions song <https://www.youtube.com/watch?v=N9g6kWoMHs&t=16s>



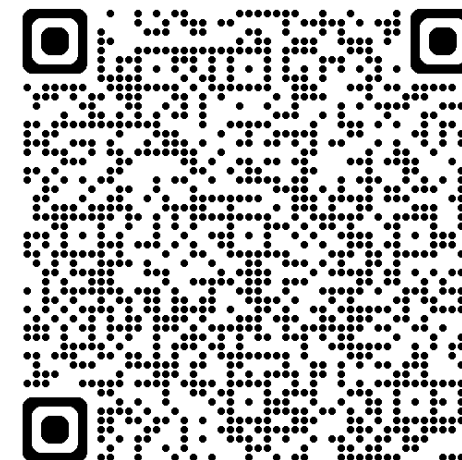
List of inventors - Kiddle



How has flying changed? - BBC



Sort the inventions game



STEM activities - inventions