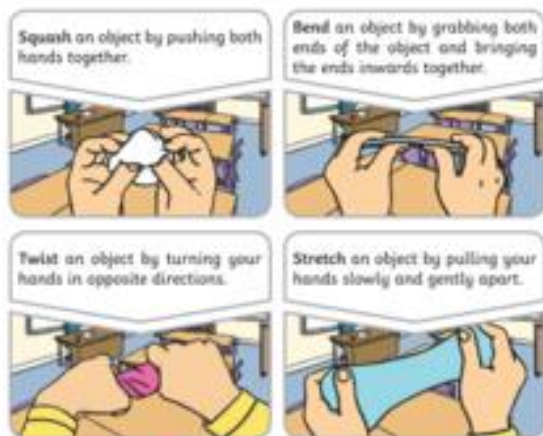




Key Vocabulary

<b>materials</b>	Materials are what objects are made from
<b>suitability</b>	Suitability means having the properties which are right for a specific purpose
<b>properties</b>	This is what a material is like and how it behaves (soft, stretchy, waterproof)
<b>hard</b>	Not easily broken or bent.
<b>soft</b>	If something is <b>soft</b> , it is easy to cut, fold or change the shape of.
<b>stretchy</b>	Can be pulled to make it longer or wider without breaking.
<b>shiny</b>	Reflects light easily.
<b>dull</b>	Doesn't reflect light. Doesn't look bright or <b>shiny</b> .
<b>rough</b>	If something is <b>rough</b> , it feels and looks uneven or bumpy.
<b>smooth</b>	Smooth <b>objects</b> have no lumps or bumps.
<b>bendy</b>	<b>Bendy</b> things can be folded easily.
<b>absorbent</b>	If something is <b>absorbent</b> , it soaks water up.
<b>transparent</b>	<b>Objects</b> that can be seen through.
<b>opaque</b>	<b>Objects</b> that can't be seen through.
<b>rigid</b>	Something that will not bend
<b>reflective</b>	When a surface reflects light back at you (shiny)
<b>non-reflective</b>	What a surface doesn't reflect light back at you (dull)



Properties of Materials



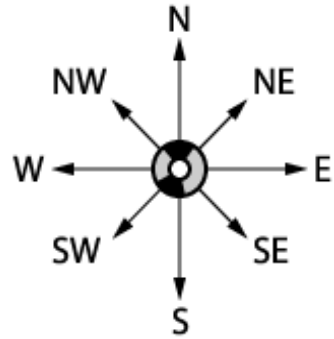
Vocabulary	Definition
<b>Decade</b>	10 year period
<b>Century</b>	100 year period
<b>Greek Myth</b>	A legend or story produced by the religion and culture of ancient Greece.
<b>Montgolfier Brothers</b>	Paper manufacturers who invented the hot air balloon.
<b>Wright Brothers</b>	Created the first sustained and controlled flight.
<b>Concorde</b>	Turbojet-powered supersonic passenger airliner

How has air travel developed?

- 1919 – John Alcock and Arthur Brown – first flight across the Atlantic – Ireland to Canada
- Amy Johnson (1903-disappeared in 1941). First woman to fly solo from Britain to Australia in 1930.
- Amelia Earhart (1897- disappeared in 1937). First woman to fly solo across the Atlantic Ocean in 1932 – Newfoundland to Londonerry.
- Concorde - 1976-2003. Top speed, where it flew, interesting facts.
- 2019 – longest passenger flight – Qantas 19 hours 16 minutes from Sydney to New York – 10,066 miles.

**Orville and Wilbur Wright.**

The created the first powered, sustained and controlled flight in 1903. They built and flew the first fully practical airplane in 1905. In 1908, they sold their design to the US Army.



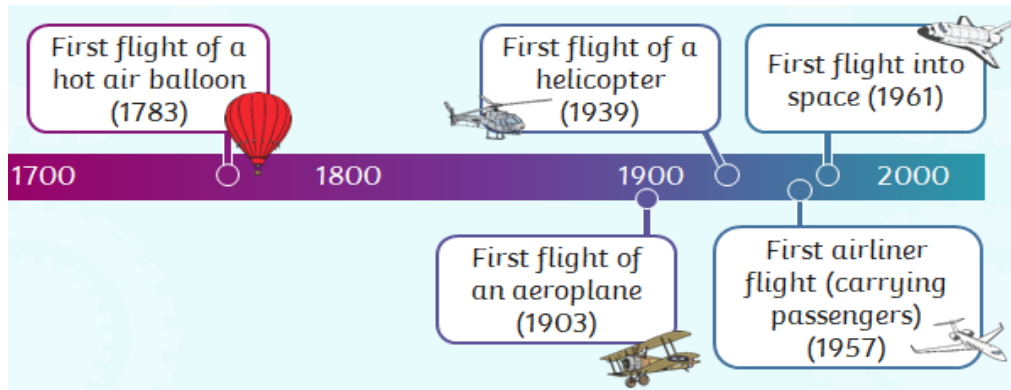
**Amy Johnson**

Amy Johnson CBE was a pioneering English pilot who was the first woman to fly solo from London to Australia in 1930.



**Richard Branson**

Richard Branson founded Virgin in 1970 but it started as a mail order record company. In 1984, he launched Virgin Atlantic Airlines. He is now working on vessels for people to travel in to space. In 2018, VSS Unity entered outer space.



**Amy Earhart**

First woman to fly solo across the Atlantic Ocean in 1932 – Newfoundland to Londonerry. She disappeared in 1937.

