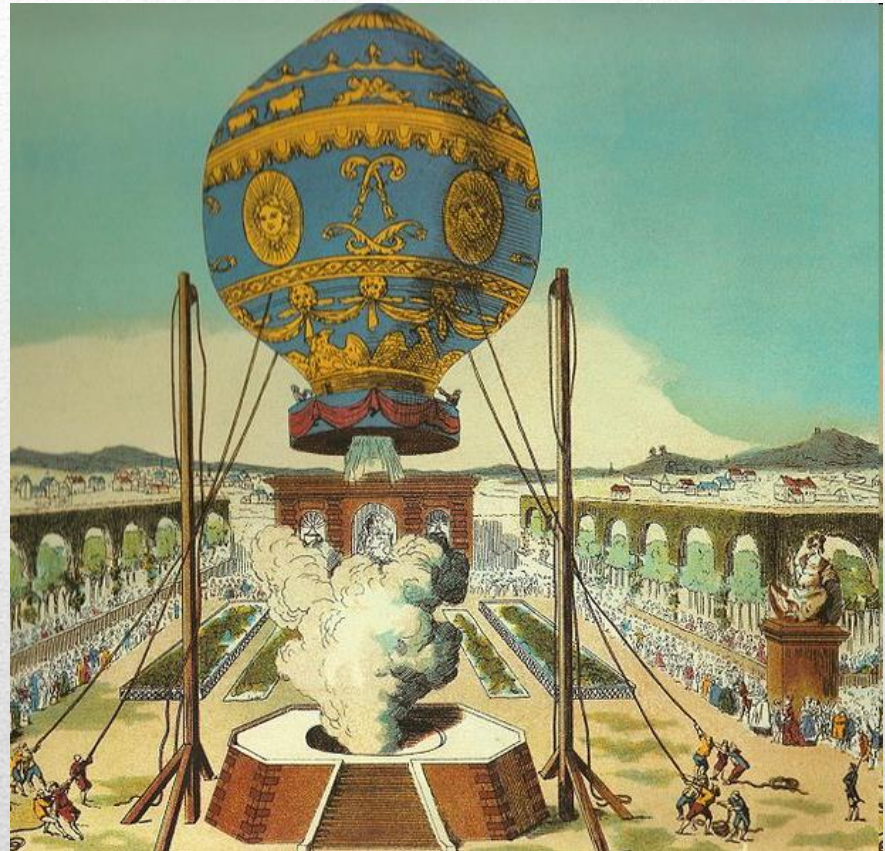


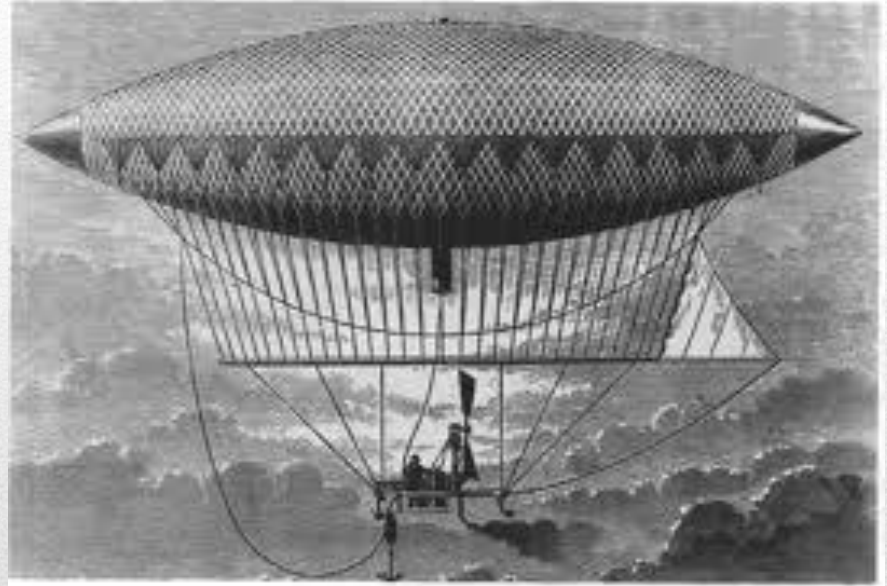
The History of Flight

- People flew for the first time in 1783.
- Two French brothers (Joseph-Michel and Jacques-Etienne Montgolfier) built the first hot air balloon out of cloth and paper.
- They lit a fire under the balloon. Hot air is lighter than cold air so it lifted the balloon off the ground.
- The first people to try a hot air balloon ride flew over Paris for 25 minutes.



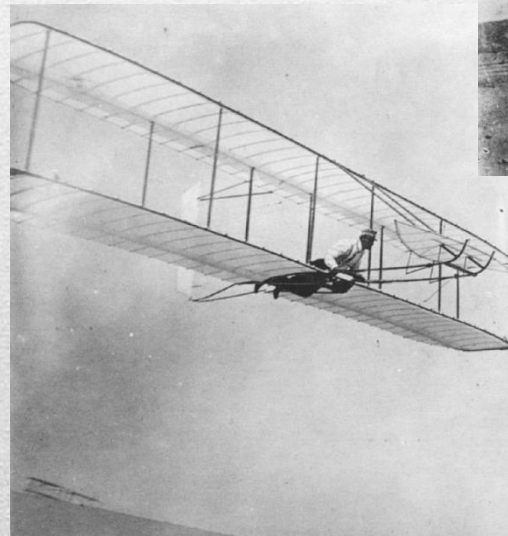
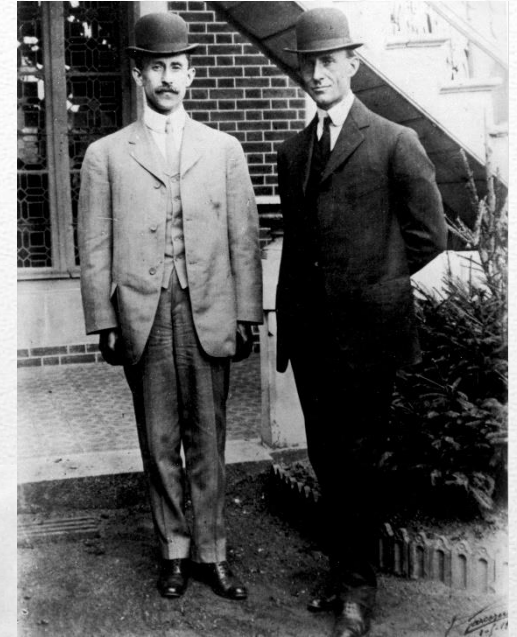
Hot air balloons 1783

- Balloons only travel in the direction the wind took them in.
- In 1852, Henri Giffard hung a steam engine under the balloon.
- This turned a propeller so the balloon, or airship, could be steered in any direction.



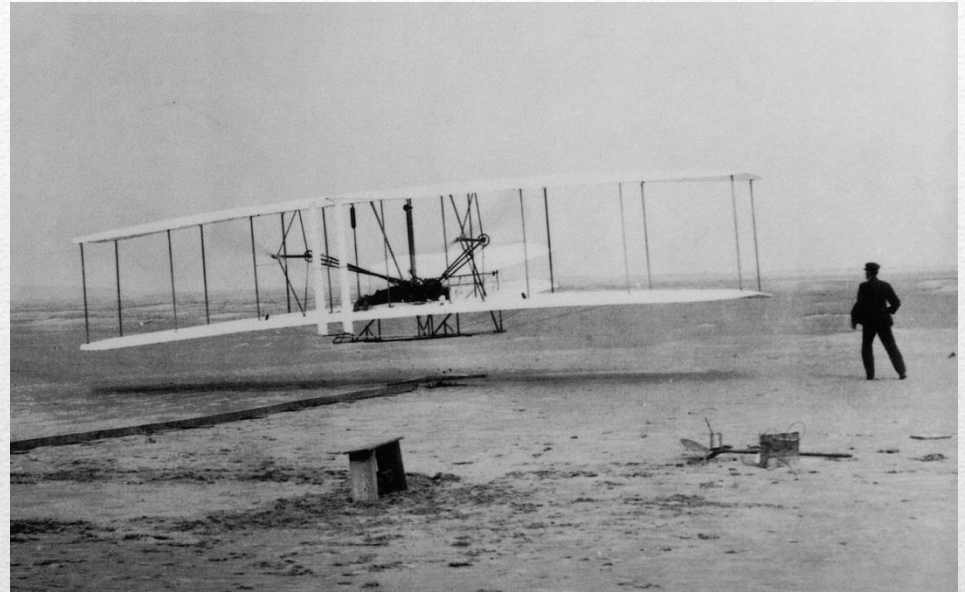
Airships 1852

- Wilbur and Orville Wright made kites and gliders.
- They went to the seaside, where it was windy, to fly them.
- In 1902 the Wright brothers tested their gliders over the sandy slopes of Kitty Hawk in North Carolina.
- Gliders are aeroplanes with no engines.
- Once they knew how to fly gliders, they wanted to build a plane with an engine that would stay in the air longer than a glider.

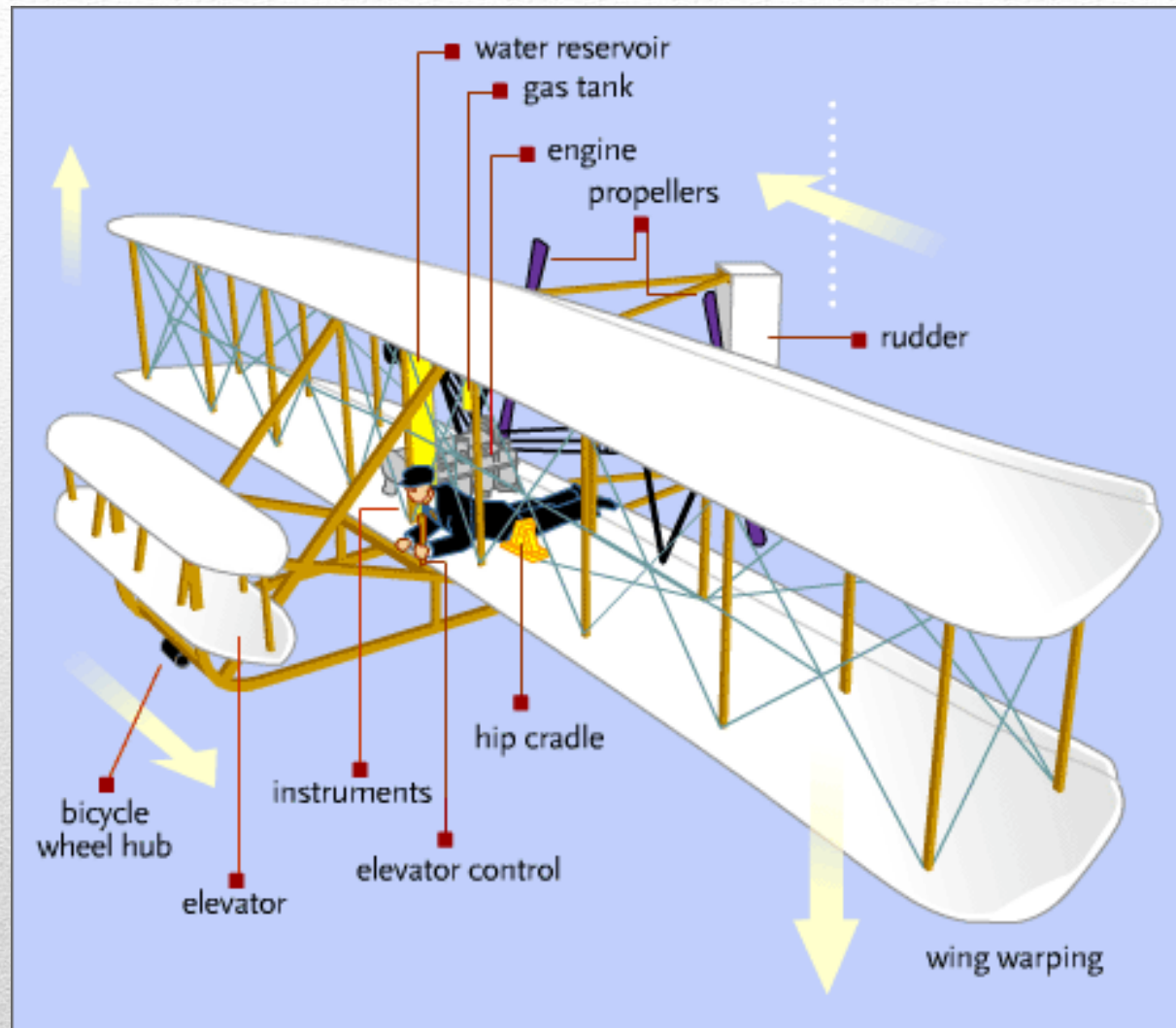


The Wright brothers 1902

- In 1903 the Wright brothers did something no-one had ever done before.
- They built a plane called *Flyer*.
- It was made of fabric stretched over a wooden frame.
- Then they made their own engine and propellers for it.
- On 14th December 1903, Wilbur tried to fly it, but it crashed.
- Three days later, Orville tried.
- The plane rose into the air and FLEW! (for 12 seconds)
- This was the first ever flight.



The Wright brothers 1903



Flyer

After the Wright brothers there were many more attempts at flying. Planes were becoming more advanced, reliable and could travel further.

On 20th May 1927 Charles Lindbergh took off from Roosevelt Field near New York City for the first non-stop flight across the Atlantic ocean.



Flying across the Atlantic Ocean 1927

- During World War II, aircraft became more and more advanced and aviation once again made huge leaps.
- Planes were first used to spy on the enemy.
- Then they were used to drop bombs. Sadly, many people died during the air raids.



World War II (1939-1945)

- Air travel was becoming more popular and planes needed to be bigger.
- On 22nd January 1970 the first Boeing 747 entered service on Pan Am's "New York – London" route.



Passenger airliners 1970

- In 1976 the fastest aircraft the world has ever known took it's first commercial flight.
- It could cross the Atlantic Ocean in 3 ½ hours.
- In 2003 it was retired from service after safety concerns.



Concorde 1976
