

## History - The History of Flight

Watch the video about The Wright Brother and read the information below. Can you create your own poster, telling me all about what you have learnt? Don't forget to draw lots of pictures and to make it colourful!

The Wright Brothers - [https://www.youtube.com/watch?v=YDlk4Ky\\_ahs](https://www.youtube.com/watch?v=YDlk4Ky_ahs)

# Wright Brothers

Orville and Wilbur Wright are credited with inventing the airplane. They were the first to make a successful human flight with a craft that was powered by an engine and was heavier than air. This was quite a milestone and impacted transportation throughout the world. It took some time to perfect, but in later years people could travel large distances at much less time. Today, trips that previously would have taken months by boat and train, can now be travelled by plane in a few hours.

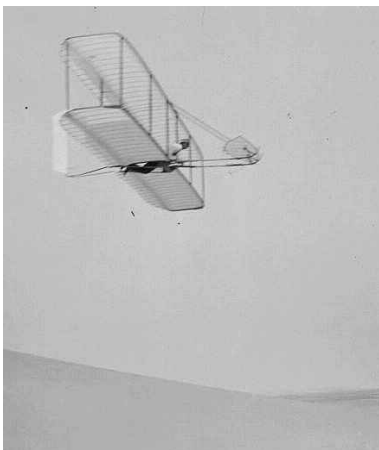


## Where did the Wright Brothers Grow Up?

Wilbur was the older brother by about 4 years. He was born in Millville, Indiana on April 16, 1867. Orville was born in Dayton, Ohio on August 19, 1871. They grew up in Indiana and [Ohio](#), moving back and forth a few times with their family. They had 5 other siblings.

The boys grew up loving to invent things. They got interested in flying when their dad gave them a toy helicopter that flew with the help of rubber bands. They experimented with making their own helicopters and Orville liked to build kites.

## Who flew the first flight?



Orville made the famous first flight. The flight took place at Kitty Hawk [North Carolina](#) on December 17, 1903. They chose Kitty Hawk because it had a hill, good breezes, and was sandy which would help soften the landings in case of a crash. The first flight lasted 12 seconds and they flew for 120 feet. Each brother made additional flights that day that were slightly longer.

This wasn't a simple or easy task they had completed. They had worked and experimented for years with gliders perfecting the wing design and controls. Then they had to

learn how to make efficient propellers and a lightweight engine for the powered flight. There was a lot of technology, know how, and courage involved in making that first flight.

The Wright Brothers didn't stop with this first flight. They continued to perfect their craft. Around a year later, in November 1904, Wilbur took their newly designed airplane, the Flyer II, to the air for the first flight lasting over 5 minutes.



**Did the Wright Brothers invent anything else?**

The Wright Brother's were primarily pioneers in the area of flight. They did a lot of work on aerodynamics, propellers, and wing design. Prior to working on flight they ran a printing press business and then later a successful bicycle shop.

#### Fun Facts about the Wright Brothers

- For safety concerns, the brother's father asked them not to fly together.
- August 19th, Orville Wright's birthday, is also National Aviation Day.
- They studied how birds flew and used their wings to help design the wings for their gliders and planes.
- Both North Carolina and Ohio take credit for the Wright Brothers. Ohio because the Wright Brothers lived and did much of their design while living in Ohio. North Carolina because that is where the first flight took place.
- The original Wright Flyer plane from Kitty Hawk can be seen at the Smithsonian Air and Space Museum.

## Food Tech - Hot Dogs and Chips

Use this recipe to create your own hot dog and chips. You can adapt it to suit your dietary needs. Ask your adult to show you how they cook hot dogs. When you have made your yummy food, take a photo of yourself with your lovely food!

## Ingredients

6 large floury potatoes such as Maris Piper, King Edward, Desirée (about 1.6kg/3lb 8ozs)  
2 tbsp olive oil  
Salt to taste

## Method

1. Heat oven to 200C/fan 180C/gas 6. Peel 6 large floury potatoes and cut them into long chip shapes - the thickness you do is entirely up to you, though the width of your finger is ideal.
2. Rinse under the cold tap and pat dry with a tea towel.
3. Spread the chips on a large non-stick baking tray and toss with 2 tbsp olive oil. Lie them flat in a single layer - use two trays rather than overcrowd one.
4. Roast for 45-50 mins, turning now and then. When cooked they should be golden brown and crisp with a light fluffy centre. Scatter on flaked sea salt to serve.

## Geography - Learning how to read maps

Click on the link below and work your way through the lessons.

Learning how to read maps - <https://www.bbc.co.uk/bitesize/articles/zhtyv7>

### Learn

Sue Venir is planning a visit to a castle in Shropshire.

Watch along with this clip to find out how she uses a map to find the way.

### What is a map?

A map is a **two-dimensional** drawing of an **area**.

Maps can show the countryside, a town, a country or even the whole world.

They are used to help **plan routes** from one place to another, or to find certain **features** such as castles or hills.

Different types of map are used for different things depending on whether you are walking, driving or even flying somewhere.

Maps can be on paper or on a mobile phone, tablet or computer.

### How to use a map

The top of most maps is **north** and a **compass** can be used to find which **direction** north is. Compasses show four directions - north, **east**, **south** and **west**. The needle always points north, so when that is lined up with the map it is easy to see in which direction things are.

Maps are not drawn to the same size as the ground because they would be far too big! Instead they are drawn to a smaller **scale**.

The scale on a map is a set of numbers that can be used to compare distances and can be written, for example, as 1:25,000.

This means that the actual size of the ground is 25,000 times bigger than it is on the map.

The same scale can also be written as 4cm to 1km, so every four centimetres on the map is one kilometre in real life.

Tour guide Tess, is practicing her map-reading skills.

Watch this clip to see how Tess uses string to measure the winding roads on a map and calculate the distance from Ben Nevis to Aviemore in Scotland.

### Practise

There are lots of fun ways to practise map-reading skills.

Here are a few you could try.

#### Activity 1

##### Label the compass

Help Sue find her way to the castle by labelling the compass - An activity on BBC Bitesize.

#### Activity 2

##### Draw a map

Have a go at drawing a map of your street or local area. Download and print out the activity sheet below.

# My Local Area

Draw a map of the area where you live and mark in all its important features.

Underline any natural features in green (e.g. rivers, hills, lakes), managed features (e.g. sports fields, gardens and parks) in yellow and constructed features (e.g. roads and bridges) in blue.

