

I invented this!!

From the early days of the Industrial Revolution, people have been considering ways to promote productivity in industry or to improve personal lives by creating a process or product that is new way of doing something.

Many of these entrepreneurs originated from Tameside such as Laurence Earnshaw, developer of the Astronomical Clock , who came from Mottam; or Colin Needham, creator of the IMDB website, who is from Denton.

Have fun with a 'testing' quiz to decide who invented what; and try your hand at creating your own moving pictures from an ordinary cardboard box.

For more information, please visit us to view an exhibition of local Inventors that will be available to see until the end of September 2022.



**LOCAL STUDIES AND
ARCHIVES CENTRE**

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culture
Tameside



The following people have been attributed with the following inventions. See if you can match them with the following images. The answers are at the end of the quiz. The following people have been attributed with the following inventions. See if you can match them with the following images. The answers are at the end of the quiz.

The Wright Brothers



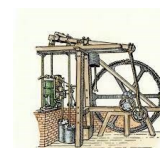
James Watt



Marie Curie



Tim Berners Lee



Samuel Morse



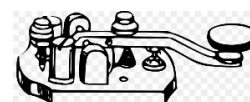
Louis Braille



Johann Guttenberg



Alexander Fleming



Percy Shaw



Hedy Lamarr



Thomas Edison



Charles Babbage



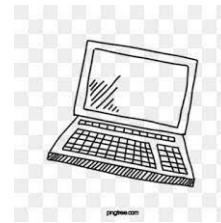
Tim Berners Lee



Daguerre



Alexander Graham Bell



Answers:

Lumiere Brothers: The moving image; James Watt: Steam Engine; Marie Curie: X-Rays; Tim Berners Lee: The World Wide Web; Alexander Graham Bell: Telephone; Louis Braille: Braille notation for the un-sighted; Johann Guttenberg: The Printing Press; Alexander Fleming: Penicillin; Charles Babbage: Computing; Hedy Lamarr: early GPS; Thomas Edison: Lightbulb; Samuel Morse: early telecommunication; Percy Shaw: the reflective road stud or 'cat's eye'; Louis Daguerre: Photography; and The Wright Brothers: First flight

Make your own moving pictures

Things that you will need:

Thin card or strong paper (a length of wallpaper is ideal)

Crayons/pencils/felt tip pens

Glue

Two kitchen roller inners

Cardboard box approximately 25cm

Newspaper

Four old pencils that are no longer used. Alternatively pieces of dowel or even chopsticks will do

Paint

Instructions

- Paint or cover your cardboard box both inside and out. This will be the theatre in which your film will be shown
- Scrunch up a balls of newspaper and insert them into either end of the kitchen roll inner tubes, gluing where necessary
- Make a hole in the newspaper and sink half of an old pencil or dowel into each end and glue securely. The tubes will now look like two rolling pins when dry
- Measure the length of the cardboard box and double it. Use this measurement to cut a piece of paper as a long rectangle.
- Draw a scene such as a row of houses, shops, woods or maybe all three onto the length of paper. This will be the background panorama. Use your imagination....
- Punch a hole top and bottom of the cardboard box and carefully insert the rollers at each end of the box
- Slide one end of your scene behind one roller and pull along and take it round the back of the other roller. Bring the two ends together and secure them with glue or sellotape.
- When the pencils are turned, the scene you have created will move as a continuous loop.
- To make it look like something is moving, draw a figure, car, bus, bike, or whatever else you would like to see moving and secure it to the bottom of the box in front of the scene.

