

You will need a pencil, rubber and paper
Get it now!!

The background of the slide is a light purple film strip with sprocket holes. In the center of the film strip is a large, semi-transparent number '5'.

LO: To explore how movement is created through still images

I can:

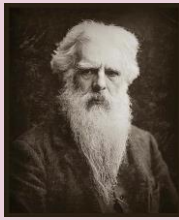
Explain how movement was created before the invention of video

Explain what 'stop motion' animation is

Draw a 'reel' of images

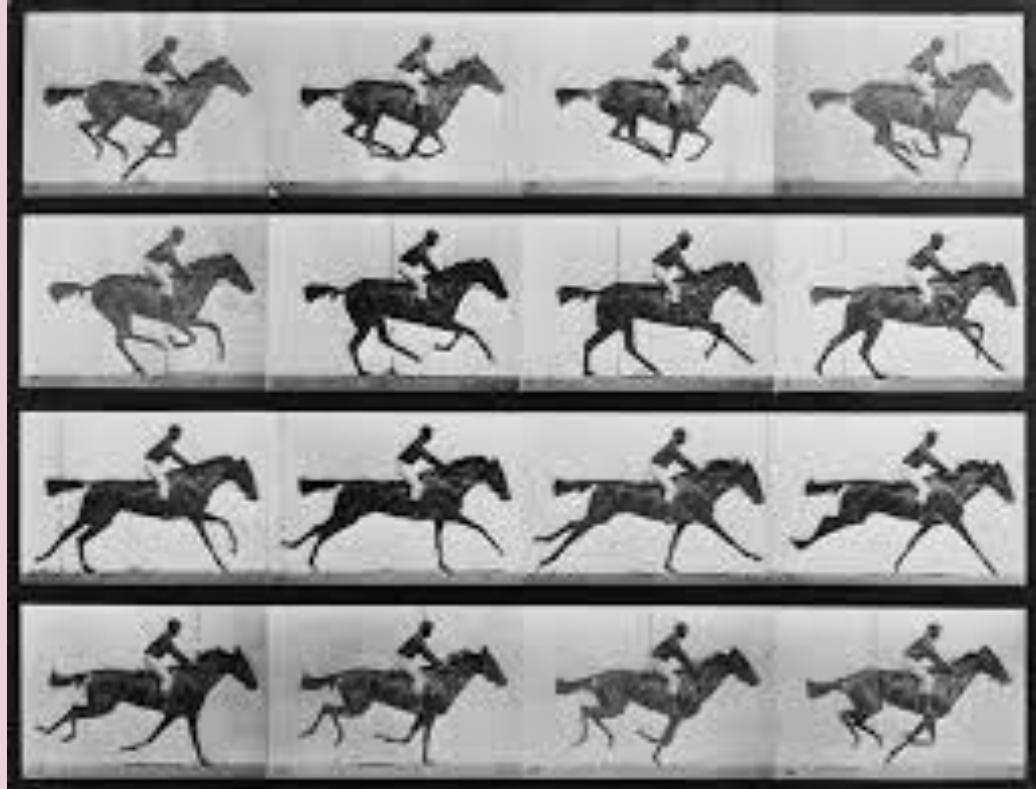
What do you notice about this 'moving image'?





Edward Muybridge

Early motion photographer

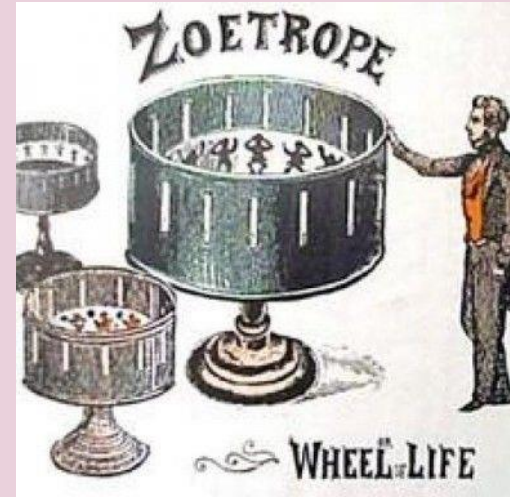


In 1872, a scientist asked Muybridge to prove that a horse had all four legs off the ground when galloping.

Up until this point the human eye could not break down the action between a trot and gallop.

Muybridge took this series of photographs at a fast shutter speed to prove the scientist right.

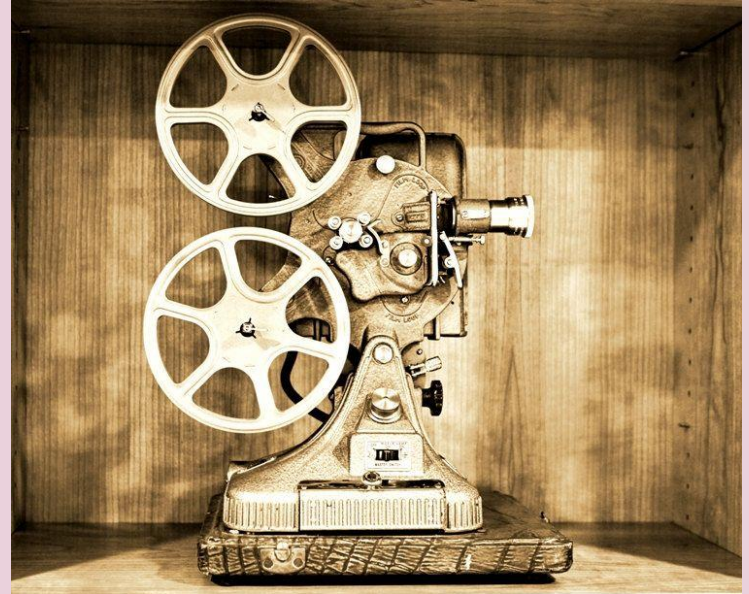
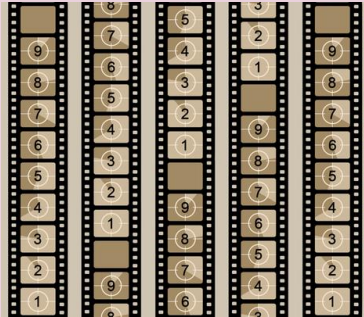
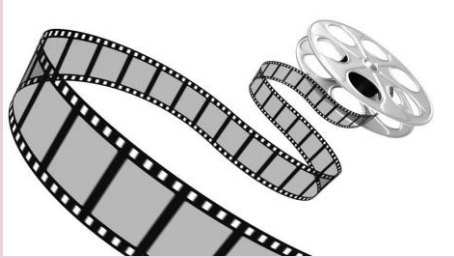
This series of photographs when played together is the earliest example of a horse galloping in motion.



From the Greek root words ζωή **zoe**, "life" and τρόπος **tropos**, "turning" as a translation of "wheel of life"

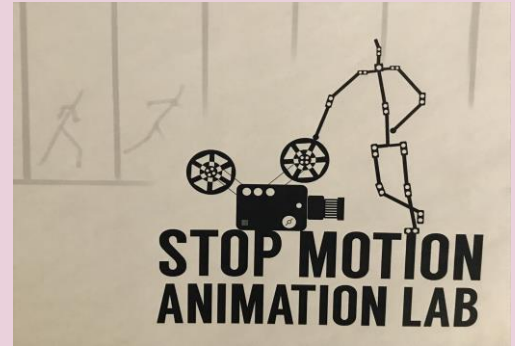
A zoetrope is a **pre-film animation** devices that produce the illusion of motion by displaying a sequence of drawings or photographs showing progressive phases of that motion. It was invented in 1834 by William George Horner.

Before the invention of video recording equipment, the way to represent movement was by taking multiple photographs (or **frames**) and putting them together as **reels**. When watched together at a fast speed, the **illusion of movement** was created!



Our project this term is to make 'stop motion' animations

It is animation that **captures one frame at a time**. It is when objects are **moved very small amounts** between frames and a photo is taken each time. When you play back the sequence of images rapidly, it **creates the illusion of movement**.



Wait! I've forgotten already!

How was 'movement' created before the invention of video?

Try and use these words to explain:

frames

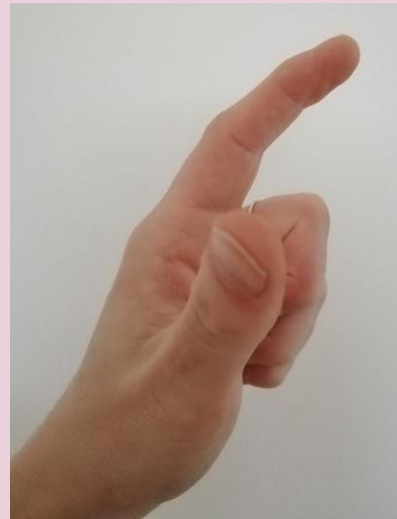
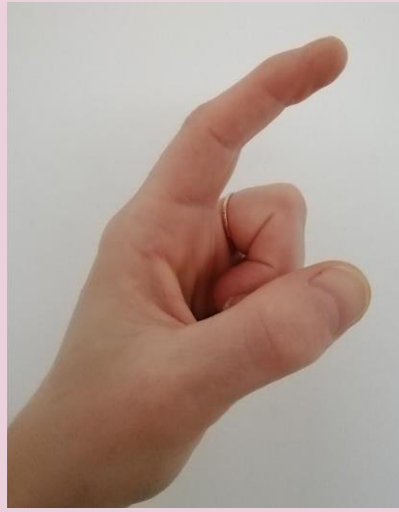
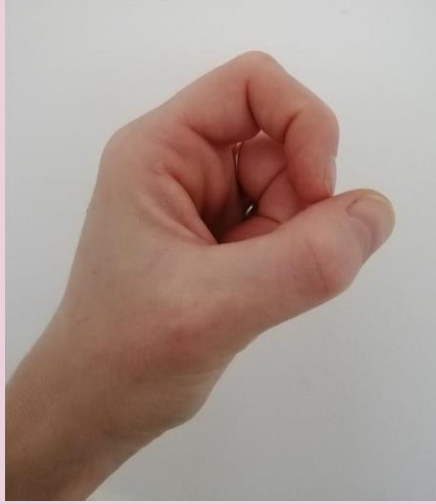
illusion of

reels

zoetrope

Edward Muybridge



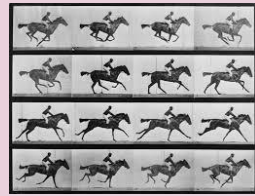


Let's look at how the illusion of movement can be created...

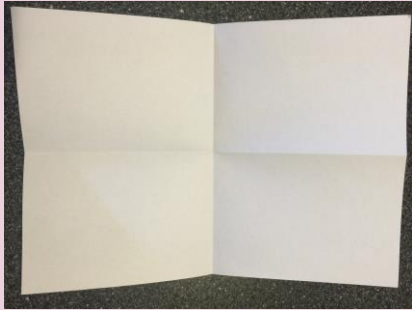


Your Task:

To create a short 'reel' of drawings of your hand 'moving'.



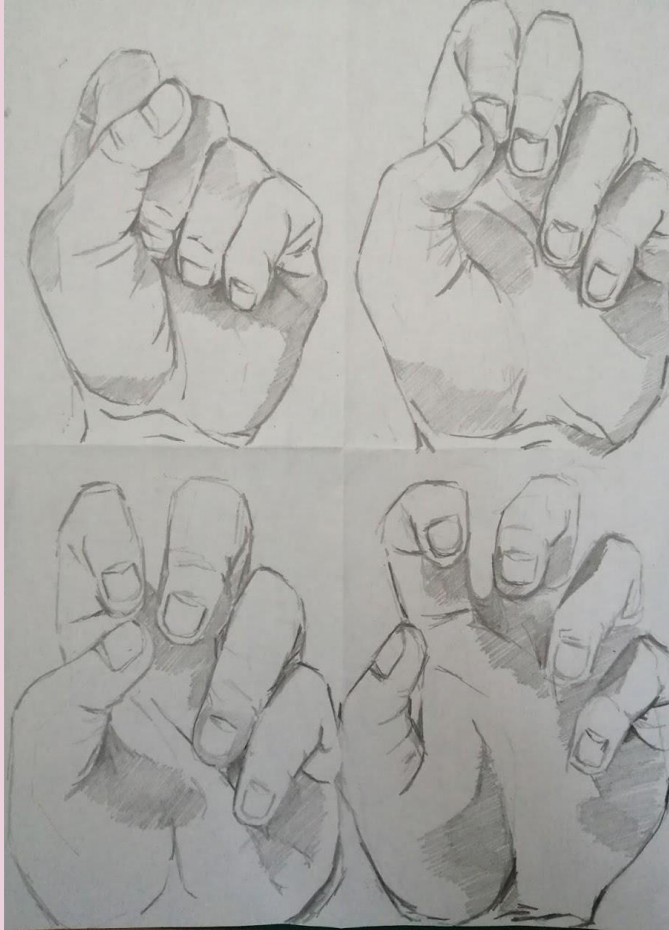
Take an A4 piece of paper and fold it into 4. These will be your 'reel'.



Make a **minimum of 4 drawings** of your hand moving from a starting to finishing position.



Here's an example of your task:



Let's do your first drawing now

1. Choose your preferred starting and finishing position.
1. Looking at your hand very carefully (remember 70/30!), draw the starting position - you have 5 minutes - take your time!
1. Continue with your next 3 (or more) drawings!