Coley Primary School – Knowledge Organiser

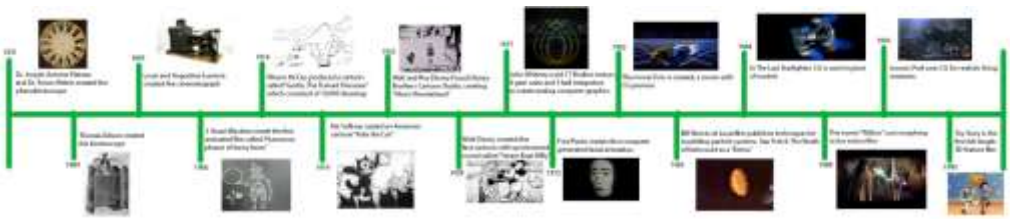
SUBJECT FOCUS:	Computing: digital media	YEAR	5

Links: many possibilities – English / history / RE / science. Use animation to reinforce and extend knowledge in other curriculum areas as needed

Key knowledge

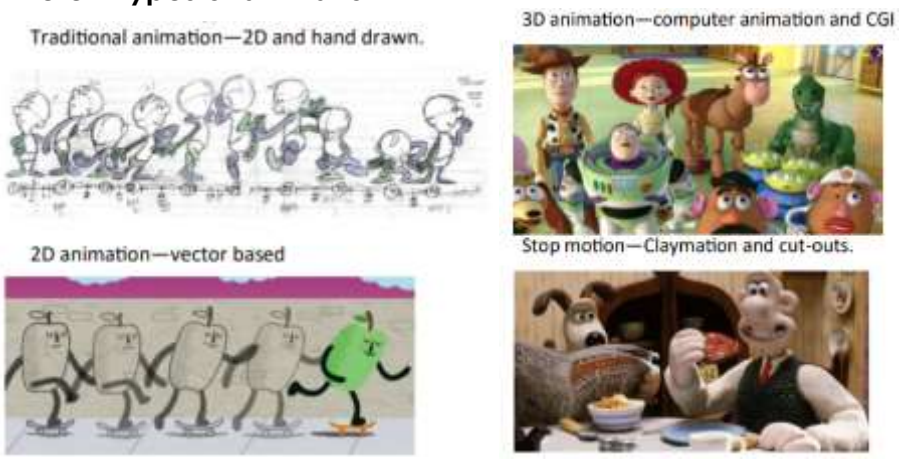
Animation

Animation is the process of giving the illusion of movement to drawings, models, or objects. There are even examples of cave paintings from around 2000BC which show sequences of images. Animation has developed and advanced greatly over the years



Credit: https://kcimgdzacharycreer.wordpress.com/2016/02/26/animation-history-timeline/

Different types of animation



Stop motion animation

In stop motion animation objects are physically manipulated in small steps. This is done between individually photographed frames so that they appear to move independently when the series of frames is played back in fast sequence.

One second of stop motion animation is made up of 12 frames. Creating stop motion animation can take a considerable amount of time. Wallace and Gromit is a type of stop motion animation called Claymation. The feature length film 'Curse of the Were– Rabbit' took 15 months to film!

Vocabulary

animation – making still images appear as If they are moving

stop motion - objects are moved in small steps and images taken

frame – a single image in an animation

claymation – using clay models to animate (eg Wallace and Gromit)

vector animation – computer generated 2D images

CGI – computer generated imagery

Can you …?

Create mechanical animations

Design and plan an animation

Create drawn animations using iPad apps

Create stop motion animation

Select and use an appropriate app to create your own animation project

Possible experiences

Mechanical animation – flip books or thaumatropes
eg https://www.youtube.com/watch?v=yeV89RafMKU

What is stop motion animation
https://www.youtube.com/watch?v=wVjMFU11hVA

Stop motion lego animation using Stop Motion Studio
eg. for Quest tales / Street Child / Dissolution of Reading Abbey / Sikh stories

or Lego Movie Maker
https://fun-science.org.uk/make-your-own-stop-motion-animation/

Drawn animation link to living things and their habitats (food chains?)
eg. using Animation App