



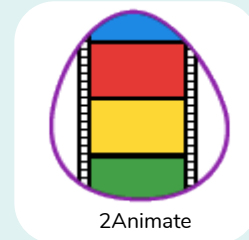
Year 4

Animation

Key Learning

- To understand what animation is.
- To know what onion skinning is and be able to use this technique for 2D computer animations.
- To know how to enhance simple animations using animation software.
- To plan an animation.
- To create a narrative.
- To evaluate animations.

Key Resources



Key Vocabulary

Animation

A method that turns still pictures into moving images. This technique can make drawings, computer graphics, or photographs appear to move.

Copy Frame

A feature in animation software where frames can be copied. This can be used to repeat frames at the end of an animation to help make it look smoother.

Sharing Controls

The menu that allows work to be shared with others. For example, sharing to a Display Board.

Animation Software

A computer program that helps users create animations from images created on a computer or from images captured in the real world.

Frame

A single image in an animation.

Sound Effect

A sound other than speech or music.

Frame Per Second

The number of frames played per second.

Stop Motion

A way of making objects or pictures look like they are moving by repeatedly taking photos for each tiny change of movement and then playing the photos back.

Background

An image on the frame that shows behind the animated objects.

Onion Skinning

A process where the shadow image of the previous frame is present to help you line up the objects of the animation correctly.

Storyboard

A visual planning tool used to map out the sequence of a narrative.



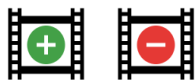
Year 4

Animation

Key Images



Open, close, save or share animation



Add/delete frames



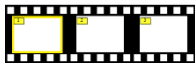
Play animation



Onion skin off/on



Add/remove sound



Frame reel



Add background



Change animation speed (FPS)

Key Questions

What is animation?

Animation is the process of giving the illusion of movement to drawings, models or objects. Animated motion pictures and television shows are highly popular forms of entertainment.

How is stop motion animation created?

Characters are made out of plasticine or clay. Animators then move them a tiny bit at a time and take a photo. They will then move them again and take another photo. Once animators have taken all the photos (frames), they combine them. When they are played, they look like they are moving.

What features in animation software help create smooth animations?

Onion skinning is an example of one feature that lets an animator see a shadow image of the previous frame. Using this shadow, animators can carefully draw the next frame making small changes.

What is 2D animation?

2D Animation is one of the most known animation methods and is achieved by drawing lots of pictures. The pictures are flat in appearance and are not to be confused with 3D Animation.

What is 3D animation?

3D Animation is a very popular animation method that involves computers. Images appear realistic with life like shading used. Toy Story is an example of this.