



HAWTHORN PARK COMMUNITY PRIMARY SCHOOL

Where Care and Learning Count

Headteacher: Mrs Jeni Houghton



Computing Knowledge Organiser

Area: Animation

Year Group: 4

By the end of this unit pupils will be able to:

- Explore how multimedia (photos, video and sound) can create atmosphere and appeal to different audiences
- Use art programs and online tools to modify photos for a specific purpose using a range of effects
- Explore the use of video, animation, and greenscreening for a specific audience.
- Use ICT tools to create music phrases for a specific purpose
- Look at their own, and a friend's work and provide feedback that is constructive and specific.

Prior Learning:

- acquire, retrieve and store images, modify images in a paint program using various tools for purpose, create a sequence of images to form a short animation or slideshow.

Key Facts and vocabulary

What is animation?

- Animation is the process of giving the illusion of movement to drawings, models, or inanimate objects.
- Animated motion pictures and television shows are highly popular forms of entertainment.
- Animation has developed and advanced greatly over the years.

Inanimate

- not alive

Vector animation

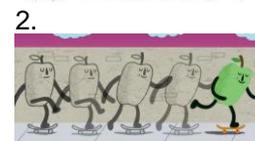
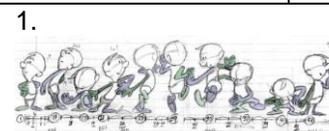
- computer generate 2D animations

CGI

- computer generate imagery

What are the different types of animation?

- Some of the main types of animation use are:
 1. Traditional animation—2D and hand drawn:
 2. 2D animation—vector based:
 3. 3D animation—computer animation and CGI:
 4. Stop motion—Claymation and cut-outs:



What is stop motion animation?

<https://www.youtube.com/watch?v=wVjMFU11hVA>

- In stop motion animation objects are physically manipulated in small steps.
- This is done between individually photo-graphed frames so that they appear to move independently when the e 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 as the creators had to manipulate and move the clay models.