Animation	**Computing**	**Learning Lens**:
	Knowledge organiser	**Class**: 4

Previous Knowledge

The key skills we want pupils to use during this topic:
Use computer software to design an animation
Use computer skills to create an animation
Produce a short film

Project Hook or 'Wow' memory
Watch Wallace and Gromit—animated film

How do I use Stop animation to create an anima-	**Key Knowledge (answers)**
What is animation?	It is the process of creating the illusion of moving images using a series of small still frames. (Children might now current animation films or characters. Know what flip boks and thaumatropes are.
How do I create a stick figure animation?	Use Pivot animator. Create short animation moving stick figure.
How do I create a recorded animation involving a number of moving characters on a background?	Identify different animation methods: drawn, using models, computer generated images. Make a list. Use Movie soup to select a background and record all movement of character on backdrop—creating a short animation
How do I use structured timing in an animation?	Understand why timing is important: matching movement to speech or other sound effects; co-ordinating movement of separate characters; introducing characters or objects at the appropriate time; changing colours or effects to fit events. Use time slider in Movie soup
How do I use Stop animation to create an animation?	Use Stop/ Go animation on Ipads to model this technique. Create a story board and a background. Create frame by frame animation to produce a short film.
How do I use Stop animation to create an animation?	Continue from last week. Share animations.

Key vocabulary	
Animate	Give the appearance of movement
Animation	technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence.
Thaumatrope / flip book	A toy consisting of 2 circles with different images which when rotated at speed merge and become 1 image.
Frame	A single image
Loop	Speaking over the image to match the movement
Onion Skinning	Seeing the top layer of animation—frame you are working on with other frames underneath
Structured Timing	Shows events in order

Statutory Requirements
Use a variety of software, on a range of digital devices, to design and create content that accomplish given goals
In the context of stop motion animation using a webcam or digital camera and associated software.

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