



Innovation

Subject: Computing

Year group: 3

Term: Spring Term

Unit name: Creating Media: Animation (NCCE unit) or Purple Mash Unit 4.6 Animation.

Big idea: To create a stop- frame animation, including music and text.

Progression of skills:

During this unit, learners will use a range of techniques to create a stop frame animation using tablets. Next, they will apply those skills to create a story-based animation. This unit will conclude with learners adding other types of media to their animation, such as music and text.

- **To relate animated movement with a sequence of images.**
- **To plan an animation.**
- **To create a stop frame animation.**
- **To review and improve an animation.**
- **To review and evaluate the impact of adding other media to an animation.**

National Curriculum Links: use sequence, selection, and repetition in programs; work with variables and various forms of input and output. select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Vocabulary: -

Animation, flip book, stop frame animation, frame, sequence, image, photograph, setting, character, events, onion skinning, consistency, delete, evaluation, import and transition.

Subject knowledge:

What is an 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

What is meant by onion skinning? Onion skinning is a 2D computer graphics term for a technique used in creating animated cartoons and editing movies to see several frames at once.

What is meant by stop motion animation? Stop motion animation is a filming technique in which objects (such as clay models) are photographed in a series of slightly different positions so that the objects seem to move

Please explore the 2Animate software and watch the videos in the planning.

Prior learning:

Year 1- Introduction to animation-Programming B (NCCE)- Using Purple Mash Unit 1:7 Coding due to not having tablets.

In Year 1, children will be learning to code on a laptop/computer for the first time. This builds on their experience of coding programmable toys. The children will be introduced to the vocabulary objects, events, actions and events and programme a sprite (character) to move across the page and collide with objects.

Children leaving KS1 will be familiar with Purple Mash and be able to type, code and draw using the 2 Simple programmes.

Future learning:

Year 5-Video editing (CS)

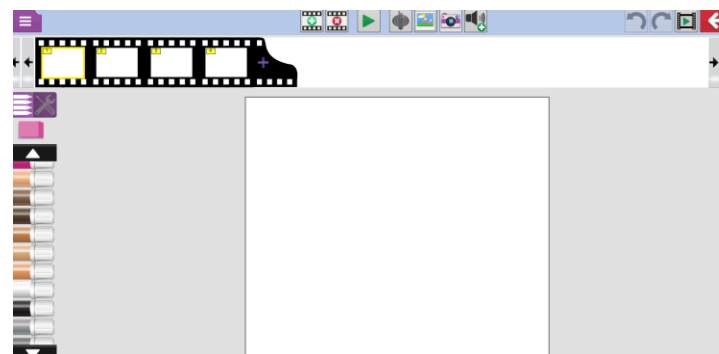
In Year 5, children have the opportunity to learn how to create short videos in groups. As they progress through this unit, they will be exposed to topic-based language and develop the skills of capturing, editing, and manipulating video. Active learning is encouraged through guided questions and by working in small groups to investigate the use of devices and software. Learners are guided with step-by-step support to take their idea from conception to completion. At the teacher's discretion, the use of green screen can be incorporated into this unit. At the conclusion of the unit, learners can reflect on and assess their progress in creating a video.

Possible workshop with STEM group: -

<https://ta.education/student-workshops/>

Stop Animation



Alternative to trip



Implementation:

Children will use Purple Mash 2Animate to complete this unit. They will be familiar with logging on and accessing 2Dos. They will save their work and be able to access it to make changes and then evaluate.

Key Resources









2Animate

Respect

Do for other people the same things you want them to do for you.

Matthew 7:12

Key Images

 <p style="font-size: 8px;">Open, close or share animation.</p>	 <p style="font-size: 8px;">Add or delete a frame from the animation.</p>	 <p style="font-size: 8px;">Play the animation.</p>	 <p style="font-size: 8px;">Switch onion skinning on or off.</p>
 <p style="font-size: 8px;">Add a background picture to the animation.</p>	 <p style="font-size: 8px;">Insert a photograph from a webcam into the animation.</p>	 <p style="font-size: 8px;">Insert a sound file into the animation.</p>	 <p style="font-size: 8px;">Number of frames in the animation.</p>



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