

**COMPUTING: CREATING MEDIA- Stop-Frame Animation**

KNOWLEDGE ORGANISER

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| **Overview** | |  | Creating a Basic Animation | |
| Animation  -Animation is a technique used to make objects and drawings/images appear as if they are moving.  -Stop-frame animation is a technique in which many photographs are taken of objects, with small movements in between.  -When the images are quickly shown together, the objects appear to move! (They are animated).  -There are many stop-frame animation apps and programs, for example iMotion, Stop Motion Studio and Clayframes. | |  | iMotion is one of many apps that you can use to create animation. You can create a new animation by selecting the ‘new movie’ option. | |
|  | Setting Up  -Select ‘manual.’ Type in the movie title.  -Tap ‘Start’. Turn on ‘onion skinning’  -Make sure that your object/ drawing is in the frame (can be seen by the camera). | Creating the Animation  -Take a picture of your object/ drawing (press ‘capture’).  -Change the object/drawing very slightly. If drawing, keep a feint line of the original drawing to show you where to go next (onion skinning). Capture again.  -Repeat the process lots of times. |
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|  |  |  | Playback and Saving: When you are finished, press ‘stop’ and then ‘stop’ again. Your animation will begin playing. You can change the speed (frames per second). Press ‘export’ to save your animation. | |
| Introduction to Animation | |  |
| Animation is a technique used to make objects and drawings appear to move. | |  |
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| Animations have been around for many years – even before computers! Stop-frame animations work in the following way:  -A number of pictures are drawn or taken of an object or picture.  -In each drawing or picture, the object has been moved slightly. Each picture is called a frame.  -When the frames are shown in a sequence, an illusion is created where it looks as though the object is moving!  Lots of movies and TV programmes are animated. These include cartoons, and films like *Wallace and Grommit* and *Chicken Run.*  -In recent years, lots of stop-frame apps and programs have been released, which can be used to make homemade animations!  Make Your Own Stop-Motion Animation Using Stopmotion - Open Source ... | | More Complex Animations  Storyboards can be used to plan animations. They help you to plan your different frames. | |
|  |  | -Consistency is important. In each frame, we need to think about which things stay the same (e.g. background), and which things change. |
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|  | -Add music by tapping ‘audio.’ You can add in soundtracks, your own music, or sound effects. Tap + to select the track that you want. Carefully choose when the audio starts/ stops. | -You can also add text into your animation. Tap on the frame that you want to enter text into. Tap T for text. You can choose different fonts, and select where you want the text to appear. |

Important Vocabulary

StopMotion Animation Flip book Stop-frame animation Frame Sequence Image Photograph Setting Character Events Onion skinning Media Import Transition