



Computing Progression of Skills and Knowledge



St Mary and St Joseph's RC Primary School
Computing Map

		EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
ICT	Skills	Click & drag with a mouse or trackpad Switch on and shutdown a computer independently Launch an application by double clicking it	Understand what is meant by technology (1.9) Considered types of technology used in and out of school (1.9) Click & drag with a mouse or trackpad Switch on and shutdown a computer independently Launch an application by double clicking it					

Presentation, web design, e book	Click & drag with a mouse or trackpad Switch on and shutdown a computer independently Launch an application by double clicking it	Add labels to an image Order images to create a simple storyboard Create a simple spider diagram Can sequence a series of pictures to explain understanding (Childhood)	Can add voice labels to an image Can add a voice recording to a storyboard Can add speech bubbles to an image to show what a character thinks Can import images to a project from the web and camera roll	Can create an interactive comic with sounds, formatted text and video Annotate an image with videos Can create a simple web page Can create a simple digital timeline/mindmap (Predator)	Can create an interactive quiz eBook introducing hyperlinks Can create an eBook with text, images and sound Can create a presentation using a range of media Can create a digital timeline/mindmap and include different media (sound & video) (Road trip USA)	Create a new webpage with a chosen layout and format text in the webpage Can independently search for images that can be used in documents Insert and format an image in a webpage Independently create a hyperlink Can share a webpage so it can be viewed Use the advanced features of Google's web search (Off with her head and Pharoahs)	Google sites, Book Creator, Keynote, Powerpoint, Wakelet, Adobe Spark Page, Thinglink Create a web site which includes a variety of media Design an app prototype that links multimedia pages together with hyperlinks Choose applications to communicate to a specific audience Evaluate own content and consider ways to improvements
Animation	Can animate a simple image to speak in role Can create a simple animation to tell a story including more than 1 character	Can add filters and stickers to enhance an animation of a character Can create an animation to tell a story with more than one scene Can add own pictures to their story animation (Paws claws and whiskers)	Can create multiple animations of an image and edit these together Can create simple stop motion animation Can explain how an animation/flip book works (Wriggle and crawl)	Can create animations of faces to speak in role with more lifelike realistic outcomes Can improve stop motion animation clips with onion skinning techniques Can use animation tools in presenting software to create simple animations (Emperors and Empires)	Can explain what is meant by animation Create a series of linked frames that can be played as a short animation Control and adjust a time slider to locate different points in a film clip Insert images to create a simple stop-motion animation short film clip Make changes to an image using onion skinning, understanding the term (Traders and Raiders)	Record animations of different characters and edit them together to create an interview Add green screen effects to a stop motion animation Create flip book animation using digital drawings and export as a GIF or video (Stargazers)	Can mix animations and video recordings to create video interviews Can plan, script and create a 3D animation to explain a concept or tell a story Choose and create different types of animations to best explain my learning (A Childs War)

	Video Creation	<p>Knows the difference between a photograph and video</p> <p>Can record a short film using the camera</p> <p>Can record and play a film</p> <p>Can watch films back</p>	<p>Can record a film using the camera app</p> <p>Can select images and record a voiceover</p> <p>Can highlight and zoom into images whilst recording</p>	<p>Can write and record a script using a teleprompter tool</p> <p>Can use tools to add effects to a video</p> <p>Can begin to use green screen techniques with support</p>	<p>Can sequence clips of mixed media in a timeline and record a voiceover</p> <p>Can trim and cut films and add titles and transitions</p> <p>Can create a green screen clip</p> <p>Can create own movie trailer <i>(Emperors and Empires)</i></p>	<p>Can add music and sound effects to films</p> <p>Can add animated titles and transitions</p> <p>Can add simple subtitles to a video clip</p> <p>Can use green screen adding animated backgrounds.. <i>(Burps bottoms and Blue Abyss)</i></p>	<p>Use cutaway and split screen tools in iMovie</p> <p>Improve green screen clips using crop & resize <i>(Scream Machine)</i></p>	<p>Use picture in picture tools in iMovie</p> <p>Use the green screen masking tool with more than one character</p> <p>Search for relevant information using appropriate websites</p> <p>Add animated subtitles to film to enhance</p> <p>Import video files into software to edit</p> <p>Add sound files</p> <p>Plan additional elements for film-making such as location and props <i>(Hola Mexico)</i></p>
	AR & VR	<p>Can scan a QR code</p> <p>Can explore a 360 image</p> <p>Can talk about AR objects</p>	<p>Can explore an interactive 360 image</p> <p>Can scan a trigger image to begin an AR experience</p> <p>Can pretend to interact with AR objects <i>(Bright Lights and Moon Zoom)</i></p>	<p>Can draw own 360 image and explore it in VR</p> <p>Can bring objects into surroundings using Augmented Reality</p> <p>Create own QR codes <i>(Magnificent Monarchs)</i></p>	<p>Create own digital 360 image and explore it in VR</p> <p>Create own images and bring it into surroundings through AR</p>	<p>Can create own 360 video</p> <p>Use the camera to create a 360 image</p> <p>Can add multiple objects into surroundings through AR to explain a concept <i>(Blue Abyss)</i></p>		

	Sound	<p>Can record sounds with different resources Find ways to change their voice Can record sounds/voices in storytelling and explanations</p>	<p>Can create a sequence of sounds Can explore short and long sounds Can record voice and add different effects(Childhood)</p>	<p>Can create different sound to create a tune Can speed up and slow down tunes Can add sounds to a tune they've already created to change it. Know how music can be used to express feelings and create tunes to depict feelings Can use a soundbank Create and upload and use their own recorded sound</p>	<p>Can create and edit purposeful compositions using music software to create mood or a certain style Can experiment with live loops to create a song (Urban Pioneers)</p>	<p>Edit sounds for a purpose Create a simple four chord song following the correct rhythm Can record a radio broadcast or audiobook (Blue Abyss)</p>	<p>Can record and play their own sounds in recording software Import an existing soundfile into recording software to play Improve their own recordings Combine 2 or more tracks to make a new recording. Plan and record appropriate audio content.</p>	<p>Can add voice over and edit sound clips to use in film or podcast Compose a soundtrack that can be added to a film project (Tomorrows World)</p>
	Control devices - Flowol						<p>Follow written instructions to draw a simple flowchart Insert symbols into a flowchart Add inputs into a flowchart Identify conventional symbols, understanding the process Create a program to control a simple sequence Use decisions and subroutines Program inputs and outputs</p>	

	Blogging								<p>Know how a blog can be used as an informative text Know the key features of a blog Create a blog with a specific purpose Know that it needs to be updated regularly Can comment on and respond to other blogs Assess the effectiveness and impact of a blog</p>
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