



## Curriculum progression Map

### St Mary and St Joseph's RC Primary School Computing Progression Grid – Year 6



#### Computing Knowledge & Skills

<p><b>Photography and Digital Art</b> <b>Camera and Mark up, Notes, Seesaw, Keynote, Pic Collage, Sketches Pro, Paper</b> Edit a picture to remove items, add backgrounds, merge 2 photos Evaluate and discuss images explaining effects and filters that have been used to enhance the media Can use a 3D drawing app to create a realistic representation of world objects</p>	<p><b>Spreadsheets</b> Create a spreadsheet to answer questions relating to probability Can copy and paste shortcuts Can use a formula wizard to create formulae Use a spreadsheet to solve a problem Can use a spreadsheet to model a real life situation</p>	<p><b>Computer Networks</b> Understand what HTML is and recognise HTML tags Know a range of HTML tags and remix a webpage Create a webpage using HTML Researched and found out about Tim Berners-Lee Know about the major changes in technology, which have taken place during their lifetime and that of an adult.</p>
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#### Computing Knowledge & Skills

ICT	Digital Literacy	Computer Science
<p><b>Skills</b> <b>Presentations, web design &amp; eBook Creation</b> 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 <b>Animation</b> <b>Puppetpals, ChatterPix Kids, Animate Anything, I Can Animate, iFunFace, Plotagon, Puppetmaster, Toontastic</b> 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 <b>Video</b> <b>Doink Greenscreen, iMovie, ShadowPuppets Edu, Adobe Spark Video, Videorama, Apple clips, Explain Everything</b> Use picture in picture tools in iMovie Use the green screen masking tool with more than one character Search for relevant information using appropriate websites Add animated subtitles to film to enhance Import video files into software to edit</p>	<p><b>Skills</b> Can say what bullying and cyberbullying are Know how to deal with cyberbullying Know why they should ask an adult if they are unsure Can identify warning signs that a website might not be secure Can identify personal information Explain the dangers of revealing personal information to an online friend Be able to choose the appropriate actions online to stay safe Can explain why someone might have an online friendship Know what the SMART acronym is Can explain what a stereotype is Can identify benefits and risks of mobile devices broadcasting the location of the user/device Can explain the importance of balancing game and screen time with other parts of their lives To know the positive and negative influences of technology on health and the environment</p>	<p><b>Skills</b> <b>Kodu</b> Can follow instructions given in the Kodu programming environment Can describe the actions of a sequence of Kodu commands Can use tools to alter the size Create a game with an end goal eg –a race track Program a character to follow a path <b>2Code</b> Can plan a program to anticipate the variables to achieve the desired effect. Can use their plans to create their program Can debug when things do not work. Can explain what functions are and how they can be created. Can explain how to move code Can follow flowcharts to create and debug code <b>2Connect</b> Can describe and map out what a text adventure is Use 2connect to record ideas Use 2CreateaStory Adventure mode to create, test and debug using their plan Use coding concepts of functions, two-way selection and repetition to code their game Can use logical attempts to debug their code</p>

Add sound files

Plan additional elements for film-making such as location and props

**Blogging**

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

**Sound**

**Seesaw, Voice Memos, Garageband, Anchor, Keezy**

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

**Vocabulary**

Algorithms, collaboration, communication, copyright, cyberbullying, orientation, photo-manipulation, plagiarism, processing, spreadsheet