



Curriculum Progression Map

St Mary and St Joseph's RC Primary School Computing Progression Grid



Computing Knowledge & Skills

<p style="text-align: center;">Photography & Digital Art Paint, Camera & Mark Up, Seesaw, Keynote, pic Collage, Sketches Pro, Paper</p> <p>Skills To create computer art Use a range of tools to reproduce a style of art Make and edit shapes and lines to create a piece of art in the style of an artist Change the shade of a colour for effect Can take and manipulate photos Can create transparent images with InstantAlpha</p>	<p style="text-align: center;">Presentation Skills Powerpoint</p> <p>Skills Draw objects Insert text boxes and images Order and group objects Move, resize and arrange text boxes and images Use colour and font effectively Create a simple presentation Create a hyperlink Use slide transitions Insert audio & video files Record audio onto a slide Plan a branching story</p>	<p style="text-align: center;">Word Processing Microsoft Word, Seesaw, Keynote, Book Creator, Popplet</p> <p>Use undo and redo Make text bold, italic or underline Select text in different ways Change case Align text Cut, copy and paste text Format the font Insert images Copy a screenshot into another application Use a secure password Use <ctrl> keyboard shortcuts</p>	<p style="text-align: center;">Spreadsheets 2Calculate</p> <p>Can create a table of data on a spreadsheet Can use the spreadsheet program to create charts and graphs from data Can use the 'more than', 'less than' and 'equals' tool to compare different numbers and help to work out solutions to calculations Children can use the 'spin' tool Can describe a cell location using letter/number notation Can find specified locations in a spreadsheet</p>	<p style="text-align: center;">Branching Databases 2Question</p> <p>Know that yes/no questions are structured and answered Can create a branching database Select and save images Can debug their own branching database</p>	<p style="text-align: center;">Computer Networks</p> <p>Know that computers in a school are connected together in a network Understand why computers are networked Know the difference between the Internet and the World Wide Web</p>
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Computing Knowledge & Skills

ICT	Digital Literacy	Computer Science
<p>Skills Presentations, web design and eBook Creation Balloon Stickies+, Google sites, Book Creator, Keynote, Adobe Spark Page, Thinglink 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 Animation Puppetpals, ChatterPix Kids, Animate Anything, I Can Animate, IFunFace, Seesaw, Plotagon, Puppetmaster, Toontastic Can create animations of faces to speak in role with more lifelike realistic outcomes Can improve stop motion animation clips with onion</p>	<p>Skills Know that people can use the information they put online and how to keep their personal information private. Know what to do if they feel uncomfortable when communicating online Explain how theirs and others feelings can be hurt by what is said or written online Can explain what it means to 'know someone' online and why it might be different from real life Identify how they should behave online Recognise cyberbullying and a safe person to go to if they come across it. Know why and create a strong password. Know what privacy settings are Know how to safely send and receive email.</p>	<p>Skills Programming Turtle Logo and Scratch Create and debug algorithms to draw regular polygons using the repeat command / block Draw shapes with spaces using penup and pendown Change and alter the pen settings 2Code Can create a design that represents a sequential algorithm Use a flowchart to create the code Can explain what object, Action, Output, Control and Event are in computer programming Can create an if statement Can explain what a variable is and why it needs a name Can create a timer and how it differs from the repeat command Can explain what debugging means Can use a design document to start debugging a program</p>

<p>skinning techniques Can use animation tools in presenting software to create simple animations</p> <p><u>Video Creation</u> <u>Doink Greenscreen, iMovie, Shadow Puppets Edu, Adobe Spark Video, Videorama, Apple Clips, Explain Everything</u></p> <p>Can sequence clips of mixed media in a timeline and record a voiceover Can trim and cut films and add titles and transitions Can create a green screen clip Can create own movie trailer</p> <p><u>Augmented Reality & Virtual Reality</u> <u>AP Makr, Thinglink, Keynote, Google Tour Creator, Google Expeditions, EyeJack, Figment AR</u></p> <p>Create own digital 360 image and explore it in VR Create own images and bring it into surroundings through AR</p> <p><u>Sound</u> <u>Seesaw, Voice Memos, Garageband, Anchor, Keezy</u></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</p>	<p>Identify online communities they are part of and the positives and negatives Contributed to a class blog on online safety To know that some websites are 'spoof' websites and how to check if the information on them is correct.</p> <p>Introduce the term 'Fake News' Can explain the term 'identity' Can explain ways in which and why change identity online (eg Gaming, using an avatar) Can give examples of technology-specific forms of communication (eg emogis, acronyms, text-speak)</p> <p>Use search technologies effectively and know how word order affects search results Know how the internet can help us communicate Use a website to search for information and how to bookmark pages Explore how companies use websites to promote products Identify adverts online Can explain why spending too much time using technology can have a negative impact</p>	<p>Can debug a simple program Explain why it is important to save their work regularly as part of the code development process.</p>
<p><u>Vocabulary</u> Debug, Design, Information, Input, Log on, Organise, output, Table, Website, Write</p>		