

Computing Curriculum Long Term Overview and Pillars Progression

Computer Science and Information Technology

Enquiry, Collaboration, Connectivity, Learners for Life and Ambition & Fairness for All

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Using Programmable Toys <i>Bee-Bots, Daisy the Dinosaur</i></p> <p>Enquiry: Devise a simple plan to answer a given question in groups.</p>	<p>Create an E-Book <i>Google Slides</i></p> <p>Collaboration: Listen and respond appropriately to adults and their peers, and begin to consider respectful interactions.</p>	<p>Programming a Sprite <i>Scratch Jnr</i></p> <p>Connectivity: Drawing on what they already know or on background information and vocabulary provided by the teacher</p>	<p>Create a Digital Card <i>Google Docs</i></p> <p>Connectivity: Drawing on what they already know or on background information and vocabulary provided by the teacher</p>	<p>Programming a Sprite <i>Scratch Jnr</i></p> <p>Learners for Life: Begin to persevere when learning is challenging.</p>	<p>Create a Presentation <i>Google Slides</i></p> <p>Ambition & Fairness for All: Talk about different jobs that people they know do and find out what a typical day looks like for them.</p>
Year 2	<p>Programming on Screen <i>Bee-Bots, Scratch Jnr</i></p> <p>Enquiry: Use past experiences/strategies to formulate ideas and solutions that work practically.</p>	<p>Game Testers <i>Web-Based Games</i></p> <p>Collaboration: Listen and respond appropriately to adults and their peers</p>	<p>Create an Online Portfolio <i>Google Slides</i></p> <p>Connectivity: Drawing on what they already know or on background information and vocabulary provided by the teacher</p>	<p>Research and Present <i>Google Slides</i></p> <p>Collaboration: Maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments</p>	<p>Story Programming and Moving Game <i>Scratch Jnr</i></p> <p>Learners for Life: Understand that making mistakes is a crucial part of the learning process.</p>	<p>Receive and Respond to Emails <i>Gmail, Google Sheets</i></p> <p>Ambition & Fairness for All: Talk about different jobs that people they know do and find out what a typical day looks like for them.</p>
Year 3	<p>Magic Carpet <i>Scratch</i></p> <p>Enquiry: Pose appropriate questions with support</p>	<p>Presentation Skills <i>Google Slides</i></p> <p>Collaboration: Listen and respond appropriately to adults, showing respect</p>	<p>Monologue and Dialogue <i>Scratch</i></p> <p>Connectivity: Be able to recall key facts from previous learning that can contribute to new learning.</p>	<p>Video Performance <i>Sound Trap</i></p> <p>Collaboration: Begin to recognise each other's strengths and contributions to a group task and use</p>	<p>Shape <i>Scratch</i></p> <p>Learners for Life: Develop strategies to learn new concepts and skills with increasing resilience and perseverance</p>	<p>Collecting and Analysing <i>Google Forms, Sheets and Slides</i></p> <p>Ambition & Fairness for All: Know about a variety of different careers.</p>

				them to complete a task.		
Year 4	<p>Toy Give Away <i>Scratch</i></p> <p>Enquiry: Pose appropriate questions with support and offer suggestions for methods of enquiry and develop these into successful strategies with peer/adult support.</p>	<p>Produce Digital Music <i>Sound Trap</i></p> <p>Collaboration: Listen and respond appropriately to adults, showing respect, and begin to demonstrate respectful listening with their peers.</p>	<p>Exploring Loops and Sequence to Repetition <i>Scratch</i></p> <p>Connectivity: Be able to recall key facts from previous learning that can contribute to new learning.</p>	<p>Develop a Website <i>Google Sites</i></p> <p>Collaboration: Maintain concentration throughout a group task and ensure that discussions reflect this.</p>	<p>Helicopter Gaming <i>Scratch</i></p> <p>Learners for Life: Start to break down tasks into smaller chunks, which they can solve.</p>	<p>Presenting the Weather <i>Google Sheets and Slides</i></p> <p>Ambition & Fairness for All: Know about a variety of different careers.</p>
Year 5	<p>Making Choices and Wizard's Choice <i>Scratch</i></p> <p>Enquiry: Evaluate past experiences and be able to dissect and understand why things did or did not work.</p>	<p>Web Developing <i>Google Sites</i></p> <p>Collaboration: Work successfully together to complete a task to a high standard, without adult support.</p>	<p>My Best Game <i>Scratch</i></p> <p>Connectivity: Independently make connections between different areas of learning</p>	<p>Create a Virtual Space <i>Sketchup</i></p> <p>Connectivity: Independently make connections between different areas of learning</p>	<p>Diving Game <i>Scratch</i></p> <p>Learners for Life: Be able to tackle any new learning with the necessary strategies.</p>	<p>Explore Computer Networks <i>Google Docs</i></p> <p>Ambition & Fairness for All: Know about some educational options at post 16+</p>
Year 6	<p>Shape – Basic Procedures and Nested Loops <i>Scratch</i></p> <p>Enquiry: Evaluate past experiences and be able to dissect and understand why things did or did not work. Use this information to set the next level of learning and questioning.</p>	<p>Placeholder Variables <i>Scratch</i></p> <p>Collaboration: Listen to each other respectfully and respond appropriately, when working without adult support</p>	<p>My Best Game <i>Google Sheets</i></p> <p>Connectivity: Independently make connections between different areas of learning</p>	<p>Shape Variables <i>Scratch</i></p> <p>Learners for Life</p>	SATs	<p>Film-Making <i>Movie Maker</i></p> <p>Ambition & Fairness for All: Know about some educational options at post 16+ and also a wide range of careers.</p>