Year Group	To Code	To Collect and Communicate	To Connect (incl. e-safety)	Other Opportunities
Computing – Topics and Opportunities				
Year 1	Unplugged – instructions/algorithms/Alex the robot (Autumn)	Creating and manipulating digital content (Autumn) Mouse skills – using paint – word processing – chatty – phonics play (Spring) Data Information – gathering data (teach computing)	E-safety and evaluating content (Autumn)	Safer Internet Week Author's Podcasts
Year 2	Scratch Junior – Little Red Riding Hood - Sequencing a story - Animation - Programming (Spring)	Basic computer skills – typing, mouse use, folder use, ability to load and save (Autumn) Use paint programme – Organise digital content – capture content – manipulate digital content – evaluate digital content - (Autumn) Digital Media – Creating own music (Summer)	Common uses for technology beyond school. (Spring)	Digital Leaders PCSO to come in and talk about e-safety Safer Internet Week Author's Podcasts
Year 3/4	Unplugged algorithms – flow charts (Autumn) Scratch Y3 – Collecting coins Y4 – Maze Game (Autumn)	To collect layout, font, formats, graphics and images. To collect text boxes, columns, borders, backgrounds, Word Art. To collect find and replace. (Autumn) To communicate understanding how the internet works. To collect hyperlinks. To collect collaborative projects. To communicate understanding about web and email addresses. To collect spell check. To communicate ranking search engines. To communicate ranking search engines. To collect paint packages. To communicate trustworthy sources To collect and edit simple video. (Spring)	To communicate copyright. (Autumn) To communicate about cyber bullying. (Spring)	Digital Leaders Recording and photographing Poetry Safer Internet Week Author's Podcasts

		Layering sound and animation. To collect databases (Summer)		
Year 5/6	**Scratch – Music Room** - Select external sensors or those on device to trigger events - Control the range of looks, sound, movement by writing and correcting code. - Use flowcharts and pseudo code to map out and plan ideas. (Autumn) **Scratch** Y5 – Pacman - Maze, walls, ghosts, levels, point collection. - (Summer) Y6 – Create own game applying all previous skills. (Summer)	**IMovie Films** Cross curricular links with Geography for North America tourism videos – use of green screen. - Demonstrate appropriate application of the features in order to create high quality and efficient communications with careful consideration of their chosen audience. (Autumn) **Stop Animation** Chose the most suitable applications and devices for the purposes of communication – links to History (Spring) **Explain Everything/PowerPoint** Embedding sound and videos to presentation software Interactive multimedia documents and presentations using hyperlinks. (Spring) Excel – Y6 Demonstrate proficiency using advanced features of applications. -use of formulae in spreadsheets and graphs. (Spring)	**Links to LIFE – Media representations** – risks of online communities (Autumn) **Internet Safety** Y5 – How the internet works and the range of services it provides. Explain how web addresses and email addresses work and what they do. Explain how search engines work and rank web pages. Understand how simple networks are set up and used. (Spring) Y6 - Consider the risks of excessive use of electronic devices and time spent online. Understand and demonstrate knowledge that it is illegal to download copyrighted material. (Spring) Links with LIFE – Know that the principles apply to online relationships as to face to face relationships (Summer)	Digital Leaders STEM Fair Safer Internet Week Author's Podcasts

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