Year 5	Overview	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Computer Science	**Programming** **(Algorithms, Sequencing and testing code)** **Resources:** **Beebot / Indi / Bolt/ Dash/ Code-a-pillar/ Programming apps**	**Rapid Router** (Levels 33-50) **Algorithms** 	**Hour of Code** **Sphero Indi** Challenge Cards (10+) Create a course to navigate a particular route. Use of apps to support programming: ALEX/ Light bot	**Sphero Bolt** (Draw Lesson 3/Blocks 1 and 2) **Repetition and Selection** 	**Scratch** (Maze Starter) **Inputs and Outputs** 	**Coding** (Lesson 1) **Light Bot** Sequencing instructions – loops and Procedures **Variables** 	**Scratch** (Hide and Seek) **Programming with sensors**

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Digital Literacy	**Digital Literacy & Citizenship** **(Research) SWGFL scheme of work (Online Communication and E-Safety, DLG, Blogging, Email)**	PROJECT EVOLVE **My Media Choices** common sense media **How have computers changed our lives?** BBC Bitesize	PROJECT EVOLVE **Private and Personal Information** common sense media	PROJECT EVOLVE **Our Online Tracks** common sense media **Collaborating using I.T.** BBC Bitesize	PROJECT EVOLVE **Keeping Games Fun and Friendly** common sense media	PROJECT EVOLVE **Be a Super Digital Citizen** common sense media **Is information on the web always reliable?** BBC Bitesize	PROJECT EVOLVE **A Creator's Rights and Responsibilities** common sense media

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Information Technology	**Communication Publishing and collaborating (Multimedia Word Processing)** **Digital video (Video & Animation Music / Sound)** **Digital Imagery (Graphics & digital cameras)** **Handling Information (Database)**		**Presentations** Create a presentation about the life cycle of an animal/plant.	**Word Processing** Create an ebook about the history of Christmas decorations.	**Digital Video** Create a trailer for the 'Sphero Bolt Olympics' or linked to the class text.	**Data Handling** Link to statistics topic in maths- data collection, line graphs and various other charts.	**Sound** To create a podcase about the moon landing/ interview Neil Armstrong.	**Augmented Reality** Design a miner's lamp.
			Word Processing (Page/Word)	Data Handling (Numbers/ Excel)	Presentations (Keynote, PowerPoint, Pic Collage)	Digital Video (iMovie)	Sound (GarageBand)	Augmented Reality (Clips, Reality Composer)	
			Can use a table in a document and format it appropriately. Produce and ebook. Can create a template from own design. Can use a template and adapt it to own design.	Use basic formulae. Create simple forms to organise data. Export 'assets' to be used in other apps- such as tables/ graphs.	Can create a template from own design. Can use assets from other apps within a presentation. Can create a short movie to present an idea using slides and VoiceOver.	Can alter transitions. User trailer effectively (such as a plot overview). Can use assets made in other apps in a short film- such as a title page from pages.	Export music to use in another app from Garageband. Create a short 'podcast' with a range of sections (voice/ music/recordings). Can 'jam' with other players.	Export movie to be used in other apps.	Create a new project and rename. Add new objects from gallery and manipulate to position and size effectively. Format objects to add colour. Add actions to objects. Add and format labels. Export effectively.