	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	**Create a story –** Purple Mash - focusing on logging on, using comp, saving etc.	**Programming & Algorithms** Bee-bots and Blue-bots	**Create word doc** Save, name & retrieve. One picture and a sentence or two.	**Algorithm & Programming** Scratch jnr – single character keep it simple	**Searching –** Navigate and retrieve, using URL, children search engines (kiddle, kidrex, cbbc, swiggle)	**Number – Create graph on 2 simple**
Year 2	**Create –** Create PowerPoint or keynote on Great Fire of London.	**Programming and debug -** Scratch Jnr – Several characters interacting	**Number work –** Create range of graphs on purple mash, discuss effectiveness **Programming – Blue bots & ALEX**		**Technology beyond the school –** email on purple mash **Create -** Stop animation using playdough on I can animate app	
Year 3	**Programming** **Rep and sequencing** Bluebots – tactile reader ext pack Probots – introduce and discuss	**Searching (moveable)** Effective use of keywords How operators can change searches	**Combining software & create content** Green screen weather report (DOINK) IMovie to create final product		**Number** Spreadsheets graphing on excel (basics) Accounting and Graphing	**Programming** **Rep and sequencing** Probots – drawing shapes Scratch – drawing shapes
Year 4	**Inputs and outputs** Binary (O & 1's) – basic understanding (APP's for sensors – Daisy, hopscotch) QR codes – use & create Physical computing – DASH robot.	**Algorithms –** Explaining and detecting errors i.e. car park barrier. Flow chart on 2Simple. **Programming –** Scratch (ipads or laptops) – creating a game with selection i.e. maze game (if, then, else)	**Sound – Audacity** Create radio show, book review or podcast linked to topic. Create, edit (crop) and add music	**Number - Database -** 2Investigate – gather data based on _____, collaborate to share info, present information.	**Create – word doc** **Based on topic** using images, tables, textbox, spellcheck etc.	**Networks -** **Unplugged work (Barefoot plan), vocab, School Network Map – Classroom Skype?** Different networks & key Components (not all – keep basic) What are they? How do they work? Email? WWW? How do they work? (Basic)
Year 5	**Searching** **Search Results and refining using operators** Using various operators and advanced searches and explaining how work and rank (check bbc bitesize for guidance)	**Simulation & Programming** Barefoot lesson - Space Simulation on Scratch.	**Programming –** Create a game using variables in scratch, look at some examples. Fit in with topics. Story board, algorithms, decompose, debug, refine, evaluate. **Break off group controlling robot – Dash (APP)** – Revisit input and output (binary)		**Create** Imovie based on topic. Images, text, sound, animation. Combine using maybe green screen,	**Number – spreadsheet Excel Doc. Based on real event (leavers disco, summer fair etc) money** Create spreadsheet using excel. 1)Graphing 2)Formula (multiplication, division, sum)
Year 6	**Number – Database -** **2investigate** **Collect own data, analyse, present**	**Networks –** Communication and collaboration – blogging. **Collaborative writing –** 2Write in purple mash (colour coded)	**2 Create -** **Presentation** - Powerpoint, keynote or Website on chosen topic using sound, picture, text and video. **Select use and combine.**		**Create a game independently using effective and appropriate software (Scratch)** Create graphics (paint, photo etc) and audio (audacity) Independent. Variables, Combine, Sequence, selection, repeat ,	