		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Focus and Activities	**Year 1**	**Powerpoint - Basic Skills** Learn how to log onto school computers. Use PPT as word processing to type name. Use space bar to type a sentence. Add a picture. Develop mouse skills using website from LTP.	**Ipads- Video** Independently open an app to send a Video a message to Santa	**Basic Skills- Safety** Use Websites from LTP. e.g. Internet traffic lights, Smartie the Penguin, Jessie and friends.	**Beebots** Directions: forwards, backwards, right and left. Follow a sequence of instructions. **Plan a journey** for the Beebot to follow. Debug any problems and make improvements.	**Internet Research.** Use internet browser www.swiggle.co.uk link to topic work to give purpose to research (**revisited in Y2 as part of cross curricular topic work)	**Algorithms - 2Code** Sequence nursery rhymes/put seasons in the right order/sequence a story. Link to topic/English work. Fish, Vehicles, Jumping Monkey, Air Traffic Control, Free Code Scenes (prepares for Free Code Chimp Y2)
	Year 2	**Word Processing using Powerpoint** Format text using capital letters and basic punctuation. Save and print work.	**Purple Mash- 2 Create a Story** Add text and Graphics. Save, retrieve and print work.	**Personal information and sharing** Use websites from LTP e.g. thinkUknow and commonsensemedia	**Beebots** Follow more complex routes, debug more complex problems.	**Algorithms- 2Code** Create an algorithm (sequence of instructions) and change it into code. Turtle, Haunted Scene, Princess and the Frog, Magician and Free Code Chimp.	**Anti bullying** Use websites from LTP e.g. kidsmart and commonsensemedia **Create a poster**.
	Year 3	**Word Processing using Powerpoint** Used shared resources to add pictures and text to a Powerpoint about a topic. Sequence ideas logically.	**Algorithms- Scratch Jnr** Scratch junior- build on previous skills to create a simple animation. Use Scratch Junior Mystory (Conditional formating) Increasing independence	**Safe Internet Searching** Use Google to research for a topic to give purpose. Understand whether sites are trustworthy. (See LTP for additional resources)	**Word Processing using Purple Mash** 2 Publish Read all about it. Add headlines and graphics. Link to Literacy- Newspaper Report.	**Passwords/ Appropriate use of internet** Common sense media / Password checker - Create an **information leaflet**. Link approrpaite use of internet with Anti Bullying and how to have a safe online presence.	**Algorithms- Probot** Follow more complex routes, debug more complex problems including directions/angles.
	Year 4	**Word Processing using Powerpoint** Build on Y3 objectives. Add animations between slides. Be able to create a short presentation on a topic of interest/foundation topic to present to rest of the class.	**Algorithms- Purple Mash 2Code** Code it- Smoking Car. Debug, modify and improve a program already created. Build on y3 work on shapes, adding nesting loops to create geometric patterns. **Chimp Chimp: Bubbles, Snails race, Rockets, Superheroes. Gibbon: Vehicles 2 (to build on the previous) Guard the Castle**	**Personal information and sharing** Google- Be an internet legend- series of lessons, Cyber detectives- children solve mystery. Common Sense Media rings of responsibility, keeping games fun and healthy.	**Basic Skills/Word Processing using Word** Organise personal folder effectively/ Use Microsoft Word to type up and produce a piece of work linked to literacy or foundation. Add text, graphics, change font etc. Save and retrieve work. Print when finished.	**Algorithms- Scratch Jnr** Build on y3 work on shapes, adding nesting loops to create geometric patterns/ debug programs/create animations and own games.	**Safe Internet Searching/Appropriate use of Internet** Know key words to search effectively in Google. (See LTP for website resources) / My media choices - common sense media **Create well being poster** about online/offline activities.
	Year 5	**Microsoft Excel** Answer questions from a prepared Spreadsheet. Add data into a prepared Spreadsheet. Understand how simple formulas help answer questions relating to an Excel document.	**Kodu** Shooting Fish, Create a game where a character gains points by collecting coins	**Safe use of Social Media/ Personal information and sharing** Use websites from LTP e.g. thinkUknow and commonsensemedia. Reinforce understanding of creating a balance between online and offline activities. **Create a balanced argument/have a debate**.	**Software** Using a topic focus, work in groups to choose a suitable program to collaboratively create a presentation, using work from own shared folders (based on independent research gathered) Present to the class. (Can use any form of software to present e.g. powerpoint/ publisher which incorportates text and graphics.	**Microbits** Snowflake fall, Rock Paper Scissors, variables- Temperature lesson.	**Effective Internet Searching/Fake news** Use Google Website from LTP for effective internet searching. Look at reliability of websites using website lesson ideas from LTP. **Create 'Newsround' style video segment (Imovie) on Website bias.**
	Year 6	**Microsoft Excel/ Microsoft Word** Use Excel to create a spreadsheet that would work out the value of stock in a school tuckshop. (Multiplication and addition of columns). Combine the table produced with text and images in a Word document to create a 'Report' for the Headteacher.	**Kodu** Creating a racing game with a timer. Make changes and explain how it made the program better.	**Safe use of Social Media/ Personal information and sharing** Focus on what is legal and illegal when it comes to sharing information online/ using someone elses account. Links in LTP for lesson ideas. **Use Microsoft Software to create a presentation of findings.**	**Effective Internet Searching/Fake news** Understand what fake news is. Building on Y5 objectives. Website in LTP. Create own 'Fake News' story. Format **Microsoft Publisher** to create newspaper article.	**Microbits** Magic Button Activity using conditional sentences to program.	**IMovie** Use all the main features in iMovie to make an effective short film with incorporates stills with movement, text, sounds and narration *or* create a simple video in Windows. Could link with stop motion animation?

Important Topics can be taught in any order within a year group in order to fit in with foundation subjects and allow for cross curricular opportunities. Year 1/2 should keep Autumn 1 in place, as this teaches fundemental computing skills.	**Information Technology**	**Online Safety and Digital Literacy**	**Computer Science**