ICT Long Term Plan

Year Group	Autumn 1:1	Autumn 1:2	Spring 2:1	Spring 2:2	Summer 3:1	Summer 3:2
R Year Cycle A/B	OS/DL – Know they should ask a responsible adult for access to devices and help if the see something that worries them.	IT - Be able to log onto computer/accessing info on Ipad Taking photos using Ipads.	CS - Be able to create simple programs using a programmable device e.g Bee Bot	IT – Be able to type text onto screen using a space bar for spaces. OS/DL - Know that the nternet access throughout the world and devices are connected online.	CS - Know how to make simple predictions about an algorithm (BeeBot) OS/DL - With support find info on the internet.	IT - Be able to navigate around the screen using mouse or touch pad.
Year 1/2 Cycle A/B	OS/DL – Know devices enable contact between people IT – Be able to save, retrieve and print work	CS – Know how to program a robot to achieve a set goal IT – Be able to add and create simple images Type and format text including basic punctuation and capital letters (PowerPoint)	OS/DL – Know to tell a trusted adult CS - Begin to use Block programming to complete a simple program.	OS/DL – Using online search engines with support. IT – Be able to combine simple text and graphics such as a poster or PowerPoint.	OS – Know what personal information is and that they should never share this with anyone they don't know. IT – Be able to save, retrieve and print work.	CS – Be able to debug more complex problems. IT – Be able to combine text and graphics to create a poster/publisher.
Year 3/4 Cycle A	CS – Be able to use a program to sequence, use conditionals and use inputs and outputs. (Hour of Code – Flappy/Frozen/Star Wars)	OS – Reliably uses a more complex password to access resources. IT – Be able to organise their personal folder effectively into year groups.	CS - Modify a program and predict changes (Scratch Animation)	OS - Know that having a balance of online and offline activities is important. IT – Changing backgrounds, shapes and font on a piece of written work. (publisher/word/PowerPoint)	OS – Know what the key words are to enter into a search engine to find information. Select useful websites from the results of a search. IT – Use a sequence to create an effective presentation or video – PowerPoint, iMovie	CS – Be able to explain how their program works. (Scratch – shapes)
Year 3/4 Cycle B	OS – Know that pictures and text shared on-line can end up with strangers. IT – Be able to save a document into a shared folder and retrieve it to work on.	CS - Be able to use a program to sequence, use conditionals and use inputs and outputs. Hour of Code – Flappy/Frozen/Star Wars	OS - Cyber Bullying IT – Know how to change font size and style. (publisher/word/PowerPoint)	CS – Be able to use a program to use conditionals. - Scratch – Smoking car	CS - Microbits – External sensors and Inputs Be able to deliver a simple presentation through PowerPoint, Keynote etc.	OS – Know what to do if they are exposed to unpleasant materials on any device. Know how to break sets of instructions into short steps to achieve a goal.
Year 5/6 Cycle A	OS/DL – Know the importance of using technology respectfully and responsibly.	IT – Be able to communicate and collaborate using technology.	OS/DL – Know the importance of using technology safely.	CS – Be able to design, write and debug programs that accomplish specific goals.	OS/DL – Know how search results are ranked.	CS – Be able to use logical reasoning to explain how some simple algorithms work and detect errors.
Year 5/6 Cycle B	CS – Be able to understand computer networks and how they can provide multiple services.	OS/DL – Know the importance of using technology safely.	IT – Be able to analyse and evaluate info and data.	OS/DL –Know a range of ways to report concerns about content and contact.	CS – Be able to sequence, selection and repetition in programs.	IT – Be able to combine a variety of software to accomplish given goals on a range of digital devices.

OS/DL – Online Safely and Digital Literacy   **IT – Information Technology**   **CS – Computer Science**