Computing Progression Map Yellow = prior knowledge

Concept	EYFS Critical Knowledge	Year 1 Critical Knowledge	Year 2 Critical Knowledge
Online safety	• Pupils know how to use technology safely and respectfully. • Pupils know how to ask for help and support when they have concerns about content or contact on the internet or other technologies. • Pupils understand the importance of keeping personal information private. • Pupils know how to recognise kindness and unkindness in an online setting. • Pupils understand the amount of time they spend using technology.	• Pupils know how to use technology safely and respectfully. • Pupils know how to ask for help and support when they have concerns about content or contact on the internet or other technologies. • Pupils understand the importance of keeping personal information private. • Pupils know how to recognise kindness and unkindness in an online setting. • Pupils understand the amount talk about the amount of time they spend using technology. • Pupils know how to log in safely. • Pupils know how to find saved work. • Pupils know how to search for Purple Mash for resources and explore games. • Pupils know how to begin to add pictures and text to work. • Pupils know the icons for **save, print, open and new**. • Pupils know the importance of logging out when they have finished.	• Pupils know how to use technology safely and respectfully. • Pupils know how to ask for help and support when they have concerns about content or contact on the internet or other technologies. • Pupils understand the importance of keeping personal information private. • Pupils know how to recognise kindness and unkindness in an online setting. • Pupils understand the amount talk about the amount of time they spend using technology. • Pupils know how to log in safely. • Pupils know how to find saved work • Pupils know how to search for Purple Mash for resources and explore games. • Pupils know how to begin to add pictures and text to work • Pupils know the icons for **save, print, open and new**. • Pupils know the importance of logging out when they have finished. • Pupils know how to refine their searches using the search tool. • Pupils know how to share their work electronically. • Pupils know how to share work and ideas on the internet. • Pupils know how to use 2email to respond to characters. • Pupils know how to communicate with others online.
Multimedia	• Pupils know how to move objects on the screen. • Pupils know how to create shapes on a screen. • Pupils know how to add text on a screen. • Pupils know how to show their learning using technology.	• Pupils know how to move objects on the screen. • Pupils know how to create shapes on a screen. • Pupils know how to add text on a screen. • Pupils know how to show their learning using technology. • Pupils know what eBooks and 2create stories are. • Pupils know how to continue a previously saved story. • Pupils know how to add animation to a story. • Pupils know how to add sound to a story including voice recordings and music they have created. • Pupils know how to add backgrounds and copy and paste. • Pupils know how to share a story onto the class display board.	• Pupils know how to move objects on the screen. • Pupils know how to create shapes on a screen. • Pupils know how to add text on a screen. • Pupils know how to show their learning using technology. • Pupils know what eBooks and 2create stories are. • Pupils know how to continue a previously saved story. • Pupils know how to add animation to a story. • Pupils know how to add sound to a story including voice recordings and music they have created. • Pupils know how to add backgrounds and copy and paste. • Pupils know how to share a story onto the class display board. • Pupils know what 2Paint a Picture is. • Pupils know how to recreate the impressionist style using the 2Paint a Picture app.

			• Pupils know how to recreate the pointillist art style using the 2Paint a Picture app. • Pupils know how to recreate the work of Piet Mondrian using the Lines Template • Pupils know how to recreate the work of William Morris using the Pattern Template. • Pupils know how to explore surrealism using the eCollage app. • Pupils know how to explore digital music on 2Sequence. • Pupils can explore, edit and combine sounds. • Pupils can add sounds to a tune they have created to change it • Pupils can upload a sound from a bank of sounds. • Pupils know how to record their own sound. • Pupils know how to create their own tune. • Pupils know that stories can be presented in different ways. • Pupils know how to make a quiz about a story or class topic. • Pupils know how to make a fact file on a non-fiction topic. • Pupils know how to make and present a presentation to the class.
Handling Data	• Pupils know how to share a story onto the class display board.	• Pupils know how to share a story onto the class display board. • Pupils know how to sort items using a range of criteria. • Pupils know how to sort items using the computer. • Pupils know that data can be represented in picture format. • Pupils know how to contribute to a class pictogram. • Pupils can use a pictogram to record the results of an experiment. • Pupils know what a spreadsheet is. • Pupils can add images to a spreadsheet. • Pupils know how to use the 'speak' and 'tools' in 2calculate to count items.	• Pupils know how to share a story onto the class display board. • Pupils know how to sort items using a range of criteria. • Pupils can sort items using the computer. • Pupils know that data can be represented in picture format. • Pupils can contribute to a class pictogram. • Pupils know how to use a pictogram to record the results of an experiment. • Pupils know what a spreadsheet is. • Pupils know how to add images to a spreadsheet. • Pupils know how to use the 'speak' and 'tools' in 2calculate to count items. • Pupils know how to use the copying, pasting and totalling tools on a spreadsheet. • Pupils know how to create a table and block graph on a spreadsheet. • Pupils understand pictograms and their use. • Pupils know how to use YES and NO questions to separate information. • Pupils know how to use a binary tree to separate different information. • Pupils know how to use 2question to answer questions. • Pupils understand how to use a database to answer complex search questions. • Pupils know how to use the search tool to find information.
Coding	• Pupils understand how to use logical reasoning to support them in predicting the behaviour of simple programs.	• Pupils understand how to use logical reasoning to support them in predicting the behaviour of simple programs. • Pupils know how to use their bodies and floor bots to develop psychical directions.	• Pupils understand how to use logical reasoning to support them in predicting the behaviour of simple programs. • Pupils know how to use their bodies and floor bots to develop psychical directions.

	• Pupils know how to use their bodies and floor bots to develop psychical directions. • Pupils know how to use simple software to make something happen. • Pupils understand that they can make choices about the icons and buttons they press, touch or click on.	• Pupils know how to use simple software to make something happen. • Pupils understand that they can make choices about the icons and buttons they press, touch or click on. • Pupils understand the importance of following instructions. • Pupils know how to follow and create simple instructions. • Pupils understand that the order of instructions affects the results. • Pupils understand the functionality of the basic direction keys. • Pupils understand how to create and debug a set of instructions (algorithm) • Pupils know how to use the additional direction keys as part of their algorithm. • Pupils understand how to change or extend the algorithm list. • Pupils understand how to set challenges for other people. • Pupils begin to understand block coding on screen, backgrounds, and characters. • Pupils know how to make a character move left and right. • Pupils know how to make a character move when clicked. • Pupils begin to understand Collision Detection.	• Pupils know how to use simple software to make something happen. • Pupils understand that they can make choices about the icons and buttons they press, touch or click on. • Pupils understand the importance of following instructions. • Pupils know how to follow and create simple instructions. • Pupils understand that the order of instructions affects the results. • Pupils understand the functionality of the basic direction keys. • Pupils understand how to create and debug a set of instructions (algorithm) • Pupils know how to use the additional direction keys as part of their algorithm. • Pupils understand how to change or extend the algorithm list. • Pupils understand how to set challenges for other people. • Pupils begin to understand block coding on screen, backgrounds, and characters. • Pupils know how to make a character move left and right. • Pupils know how to make a character move when clicked. • Pupils begin to understand Collision Detection. • Pupils know how to use repeat and timer commands. • Pupils know how to debug. • Pupils understand that different types of objects can have possible actions. • Pupils know how to create a complex program to retell a story using 2Code.
Technology in our Lives	• Pupils know common uses of information technology at home or in school. • Pupils understand that there are common uses for information technology beyond school learning.	• Pupils know common uses of information technology at home or in school. • Pupils understand that there are common uses for information technology beyond school learning. • Pupils know how to use the local area to find examples of where technology is used. • Pupils know how to record examples of technology outside of school.	• Pupils know common uses of information technology at home or in school. • Pupils understand that there are common uses for information technology beyond school learning. • Pupils know how to use the local area to find examples of where technology is used. • Pupils know how to record examples of technology outside of school. • Pupils know the terminology associated with searching. • Pupils understand searching online. • Pupils know how to create a leaflet to help someone search for information online.