Computing Long Term Plan

Planning – scope, coherence, sequencing and rigour

	Autumn	Spring	Summer
FS2	**Digital Literacy**	**Computer Science**	**Information Technology**
	Ongoing throughout the year **Curriculum goals: To describe and use different types of technology are used in places such as home and school, for different purposes** **Sound** **Curriculum Goal: To record themselves telling a story using different devices.** **Video Creation** **Curriculum Goal: To create a simple animation to tell a story including more than one character.**	**Ongoing throughout the year** **Curriculum goals: To describe and use different types of technology are used in places such as home and school, for different purposes** **Computational Thinking** **Curriculum Goal: To create a simple sequence following a repeated pattern.** **Data Handing** **Curriculum Goal: To use a daily weather chart to present simple weather data.**	**Ongoing throughout the year** **Curriculum goals: To describe and use different types of technology are used in places such as home and school, for different purposes** **Managing Online Behaviour** **Curriculum Goal: To describe examples of how you can find information on the internet.** **Coding and Programming** **Curriculum Goal: To input a simple sequence into a bee bot device**
Y1	**Information Technology** **Digital Literacy**	**Computer Science**	**Digital Literacy**
	Focuses: Uses of IT beyond school **Curriculum Goal:** To describe how technology is used at home and at school. **Focuses:** Using Technology **Curriculum Goal:** To describe which painting tools are helpful and why	**Focuses:** Algorithms Create Programmes Reasoning **Curriculum Goal:** To verbally create one step and two step algorithms.	**Focuses:** Safe Use **Curriculum Goal:** To describe how to keep safe online. **Focuses:** Safe Use Using Technology **Curriculum Goal:** To create a piece of work on a document with retrieved information.
Y2	**Computer Science**	**Information Technology** **Digital Literacy**	**Information Technology**
	Focuses: Algorithms Create Programmes Uses of IT beyond school	**Focuses:** Uses of IT beyond school Safe Use	**Focuses:** Using Technology Uses of IT beyond school

	Reasoning **Curriculum Goal:** To create simple programme using a block of instructions.	**Curriculum Goal:** To describe ways of reporting inappropriate behaviours and contents. **Focuses:** **Using Technology** **Curriculum Goal:** To choose the correct tools to alter a taken photograph	**Curriculum Goal:** To create a simple piece of writing on a digital device.
	Computer Science	**Digital Literacy**	**Information Technology**
Y3	**Focuses:** **Create Programs** **Develop programs** **Using programs** **Reasoning** **Curriculum Goal:** Explain how a system works.	**Focuses:** **Safe Use** **Curriculum Goal:** To explain the importance of being responsible online. **Focuses:** **Using Technology** **Curriculum Goal:** To create an animation using a sequence of images	**Focuses:** **Networks/search engines** **Networks** **Search Engines** **Curriculum Goal:** To explain the purpose of a computing network and know the importance of an effective web search.
	Computer Science	**Digital Literacy**	**Information Technology**
Y4	**Focuses:** **Create Programs** **Develop programs** **Using programs** **Reasoning** **Curriculum Goal:** To combine hardware and software to create media.	**Focuses:** **Safe Use** **Curriculum Goal:** To explain acceptable and unacceptable behaviours using technology. **Focuses:** **Using Technology** **Curriculum Goal:** To record and edit a sound recording	**Focuses:** **Networks** **Search Engines** **Curriculum Goal:** To explain that websites and contents are created by people.
	Computer Science	**Digital Literacy**	**Information Technology**
Y5	**Focuses:** **Create Programs** **Develop programs** **Using programs** **Reasoning**	**Focuses:** **Safe Use** **Curriculum Goal:** To compare the best ways to stay safe online. **Focuses:**	**Focuses:** **Networks** **Search Engines**

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	Curriculum Goal: To develop a program that uses selection with different inputs to create differing outputs.	**Using Technology** **Curriculum Goal:** To record and edit a video	Curriculum Goal: To evaluate different ways of working together online.
	Computer Science	**Digital Literacy**	**Information Technology**
Y6	**Focuses:** **Create Programs** **Develop programs** **Using programs** **Reasoning** **Curriculum Goal:** To write a program that combines more than one attribute.	**Focuses:** **Safe Use** **Curriculum Goal:** To evaluate the potential dangers of using aspects of IT. **Focuses:** **Using Technology** **Curriculum Goal:** To create and modify a digital 3d model	**Focuses:** **Networks/search engines** **Networks** **Search Engines** **Curriculum Goal:** To explain how searched results can be influenced.