

LTP Computing Class 3

Cycle A

Computing Areas	Autumn Term	Spring Term	Summer Term
<p style="text-align: center;">Computer Science</p> <p style="text-align: center;">Programming Algorithms, sequencing beebots/roamers/probots</p>	<p><u>Hour of Code</u> Course E</p>	<p>Kodu Programming <i>Be able to explain what a program will do and accurately predict the effect of changes.</i> <i>Be able to reliably modify existing algorithms and code to change the effect of the program.</i> <i>Be able to make an efficient program by using an effective algorithm and techniques such as loops and procedures.</i></p> <p>Design and create a simple rainforest game in Kodu (for example, planting trees v excavators)</p> <p>Kodu Planning</p>	<p><u>Scratch 3.0 Developing Games</u> <i>Use customisation to change a working program to change its effect (for instance backgrounds and sprites in Scratch)</i> <i>Use loops to achieve goals (scratch-shapes, letters)</i></p> <p>Scratch Developing Games</p>
<p style="text-align: center;">Digital Literacy & Citizenship SWGFL Scheme of Work</p> <p style="text-align: center;">Online Communication and E-Safety, Blogging, Email</p>	<p><i>'know how to report concerns online'</i> Play Like Share</p> <p>Common-sense Media- Is it Cyberbullying?</p> <p>Cyberdetectives- Cyberbullying</p>	<p>Internet Safety Day</p>	<p><i>'Know that having a balance of online and offline activities is important to maintain good health'</i></p> <p>Common Sense Media- Finding my Media Balance</p>

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IT

Communication Publishing and Collaborating (Multimedia, Word Processing)	Microsoft Word <i>Know how to use software to create an effective poster or leaflet. (Topic Work)</i>		
Digital Video (Video & Animation Music/Sound)		<u>Film Making</u> <i>Create and sequence a video, add sound effects, transitions and titles/subtitles.</i> <ul style="list-style-type: none"> - Create an animation or video about the threats to the rainforest using websites evaluated for bias. 	
Digital Imagery (Graphics & Digital Cameras)			
Handling Information (Database)			<u>Spreadsheets- Excel</u> <i>Know how to create a simple formular in a spreadsheet to work out given mathematical tasks such as adding a set of numbers.</i> Use Microsoft Excel to create a spreadsheet to work out the food miles/cost for a meal.