Victoria Junior School Long Term Plan 2023-24

Subject: Computing

Year Group	Autumn	Spring	Summer
3	**Typing** **Online Safety (Computing Day)** *(See Purple Mash Overview)* **Connect** • Contribute to blogs that are moderated by teachers. • Give examples of the risks posed by online communications. • Understand the term 'copyright'. • Understand that comments made online that are hurtful or offensive are the same as bullying. • Understand how online services work. **Collect** • Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally. **Communicate** • Choose the most suitable applications and devices for the purposes of communication.	**Email** **Spreadsheets (Computing Day)** *(See Purple Mash Overview)* **Communicate** • Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally. **Collect** • Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally.	**Coding (Crash Course)** **Simulations (Computing Day)** *(See Purple Mash Overview)* **Coding** • Use specified screen coordinates to control movement • Set the appearance of objects and create sequences of changes. • Create and edit sounds. Control when they are heard, their volume, duration and rests. • Control the shade of pens. • Specify conditions to trigger events. • Use IF THEN conditions to control events or objects. • Create conditions for actions by sensing proximity or by waiting for a user input (such as proximity to a specified colour or a line or responses to questions). • Use variables to store a value. • Use the functions define, set, change, show and hide to control the variables. • Use the Reporter operators () + () () - () () * () () / () to perform calculations.

	• Use many of the advanced features in order to create high quality, professional or efficient communications.		

4	**Effective Searching**
	
	Animation (Computing Day)
	
	(See Purple Mash Overview)
	
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	• Contribute to blogs that are moderated by teachers.
	• Give examples of the risks posed by online communications.
	• Understand the term 'copyright'.
	• Understand that comments made online that are hurtful or offensive are the same as bullying.
	• Understand how online services work.
	
	Collect
	• Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally.
	Communicate
	• Choose the most suitable applications and devices for the purposes of communication.
	• Use many of the advanced features in order to create high quality, professional or efficient communications.
	
	Communicate
	  • Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally.
		Online Safety
		
		Logo (Computing Day)
		
		(See Purple Mash Overview)
		
		Collect
		• Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally.
		
		Communicate
		  • Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally.
			Coding (Crash Course)
			
			Hardware Investigators (Computing Day)
			
			(See Purple Mash Overview)
			
			Coding
			• Use specified screen coordinates to control movement
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			• Use variables to store a value.
			• Use the functions define, set, change, show and hide to control the variables.
			• Use the Reporter operators
			() + ()
			() - ()
			() * ()
			() / ()
			    to perform calculations.

5	**Word Processing (Microsoft Word) 8** **Online Safety(Computing Day)**	**Databases** **3D Modelling (Computing Day)**	**Coding (Crash Course) 6** **Game Creator (Computing Day)**

	(See Purple Mash Overview) **Connect** • Collaborate with others online on sites approved and moderated by teachers. • Give examples of the risks of online communities and demonstrate knowledge of how to minimise risk and report problems. • Understand and demonstrate knowledge that it is illegal to download copyrighted material, including music or games, without express written permission, from the copyright holder. • Understand the effect of online comments and show responsibility and sensitivity when online. • Understand how simple networks are set up and used. **Collect** • Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner. **Communicate** • Choose the most suitable applications and devices for the purposes of communication. • Use many of the advanced features in order to create high quality, professional or efficient communications.	*(See Purple Mash Overview)* **Connect** • Collaborate with others online on sites approved and moderated by teachers. • Give examples of the risks of online communities and demonstrate knowledge of how to minimise risk and report problems. • Understand and demonstrate knowledge that it is illegal to download copyrighted material, including music or games, without express written permission, from the copyright holder. • Understand the effect of online comments and show responsibility and sensitivity when online. • Understand how simple networks are set up and used. **Collect** • Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner. **Communicate** • Choose the most suitable applications and devices for the purposes of communication. • Use many of the advanced features in order to create high quality, professional or efficient communications.	*(See Purple Mash Overview)* **Code** • Set IF conditions for movements. Specify types of rotation giving the number of degrees. • Set IF conditions for movements. Specify types of rotation giving the number of degrees. • Upload sounds from a file and edit them. Add effects such as fade in and out and control their implementation. • Combine the use of pens with movement to create interesting effects. • Set events to control other events by 'broadcasting' information as a trigger. • Use IF THEN ELSE conditions to control events or objects. • Use a range of sensing tools (including proximity, user inputs, loudness and mouse position) to control events or actions. • Use lists to create a set of variables. **Collect** • Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner.
6	**Online Safety (Computing Day)** **Blogging** *(See Purple Mash Overview)* **Connect**	**Networks (Computing Day)** **Spreadsheets (Microsoft Excel)** *(See Purple Mash Overview)* **Connect**	**Coding (Crash Course)** **Quizzing (Computing Day)** *(See Purple Mash overview)* **Code**

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