

## Victoria Junior School Long Term Plan 2023-24

## Subject: Computing

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

	• Use many of the advanced features in order to create high quality, professional or efficient communications.		
4	Effective Searching	<u>Online Safety</u>	Coding (Crash Course)
	Animation (Computing Day)	<u>Logo (Computing Day)</u>	Hardware Investigators (Computing Day)
	(See Purple Mash Overview)	(See Purple Mash Overview)	(See Purple Mash Overview)
	<ul> <li>Connect <ul> <li>Contribute to blogs that are moderated by teachers.</li> <li>Give examples of the risks posed by online communications.</li> <li>Understand the term 'copyright'.</li> <li>Understand that comments made online that are hurtful or offensive are the same as bullying.</li> <li>Understand how online services work.</li> </ul> </li> <li>Collect <ul> <li>Use some of the advanced features of applications and devices in order to communicate ideas, work or messages professionally.</li> <li>Communicate</li> <li>Choose the most suitable applications and devices for the purposes of communication.</li> <li>Use many of the advanced features in order to create high quality, professional or efficient communications.</li> </ul> </li> </ul>	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 <ul> <li>Use specified screen coordinates to control movement</li> <li>Set the appearance of objects and create sequences of changes. • Create and edit sounds. Control when they are heard, their volume, duration and rests.</li> <li>Control the shade of pens.</li> <li>Specify conditions to trigger events.</li> <li>Use IF THEN conditions to control events or objects.</li> <li>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).</li> <li>Use the functions define, set, change, show and hide to control the variables.</li> <li>Use the Reporter operators <ul> <li>() + ()</li> <li>() - ()</li> <li>() / ()</li> </ul> </li> </ul>
5	messages professionally. Word Processing (Microsoft Word) 8	Databases	Coding (Crash Course) 6
	Online Safety(Computing Day)	<u>3D Modelling (Computing Day)</u>	<u>Game Creator (Computing Day)</u>

6	<ul> <li>(See Purple Mash Overview)</li> <li>Connect <ul> <li>Collaborate with others online on sites approved and moderated by teachers.</li> <li>Give examples of the risks of online communities and demonstrate knowledge of how to minimise risk and report problems.</li> <li>Understand and demonstrate knowledge that it is illegal to download copyrighted material, including music or games, without express written permission, from the copyright holder.</li> <li>Understand the effect of online comments and show responsibility and sensitivity when online.</li> <li>Understand how simple networks are set up and used.</li> </ul> </li> <li>Collect <ul> <li>Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner.</li> <li>Communicate <ul> <li>Choose the most suitable applications and devices for the purposes of communication.</li> <li>Use many of the advanced features in order to create high quality, professional or efficient communications.</li> </ul> </li> </ul></li></ul>	(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. <b>Collect</b> • Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner.
U	Blogging (See Purple Mash Overview)	Spreadsheets (Microsoft Excel) (See Purple Mash Overview)	Quizzing (Computing Day) (See Purple Mash overview)
	Connect	Connect	Code

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