

COMPUTING OVERVIEW

Subject:	Year:	Unit 1	Unit 2	Unit 3
Computing	FS2	Early exposure to computational thinking/everyday technologies and how these can be used for different purposes (tinkering, making, collaboration, persevering, logic, pattern, abstraction and algorithms and decomposition)		
	Yr 1	Unit: Computing Systems and Networks – Technology Around Us & Online Safety Unit: Privacy and Security – Project Evolve	Unit: Programming A – Moving a Robot & Online Safety Unit: Online Bullying and Self-Image and Identity – Project Evolve	Online Safety Unit: Online Reputation and Health, Well-Being and Lifestyle– Project Evolve
	Curricular Goals			
		What is meant by technology and suggest examples and uses of technology? <i>Online Safety</i> <i>How and why passwords are used, and what do I do about information that is personal and should not be shared online?</i>	Can I create and run a program on a device? <i>Online Safety</i> <i>How should I behave online? What do I do if something makes me feel worried or uncomfortable online?</i>	How do I sort, collate, edit and store simple digital content? <i>Online Safety</i> <i>What information I should not put online and why? How do I keep myself safe online?</i>
	Yr 2	(Unit: Computing Systems and Networks – IT Around Us & Online Safety Unit: Privacy and Security – Project Evolve	Unit: Programming B – Programming Quizzes & Online Safety Unit: Self-Image and Identity and Health, Well-Being and Lifestyle – Project Evolve	Online Safety Unit: Online Relationships – Project Evolve
	Curricular Goals			
		What are some of the common uses of information technology in and beyond school and what are the benefits of technology in society? <i>Online Safety</i> <i>How and why are passwords used and what are some of the rules for keeping personal information private?</i>	How do I create, run and debug a program? <i>Online Safety</i> <i>What do I do if something makes me feel worried or uncomfortable online? How do I keep my health and well-being safe online?</i>	Can I create a Pictogram to organise, store, manipulate and retrieve digital content? <i>Online Safety</i> <i>What are good and bad online relationships?</i>
	Yr 3	Online safety Unit: Privacy and Security – Project Evolve	(Unit: Programming A – Sequencing Sounds) & Online safety Unit: Health, Well-Being and Lifestyle and Online Bullying – Project Evolve	Unit: Computer Systems and Networks – Connecting Computers & Online Safety Unit: Online Relationships – Project Evolve
Curricular Goals				
	How do I select, use and combine digital content using Microsoft PowerPoint? <i>Online Safety</i>	How do I code a program that follows a simple sequence to create a musical instrument? <i>Online Safety</i>	What are computer networks and what are their benefits? How do I identify the computer networks around me?	

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		<i>How and why are passwords used and what should I do if I feel pressured to share something online?</i>	<i>Why does spending too much time using technology sometimes have a negative impact on anyone/ Why does online bullying take place and how can someone get support if this happens?</i>	<i>Online Safety How can I identify good and bad online relationships?</i>
Yr 4	Online Safety Unit: Privacy and Security – Project Evolve	Unit: Programming B – Repetition in Games & Online Safety Unit: Online Relationships and Health, Well-Being and Lifestyle – Project Evolve	Unit: Computer Systems and Networks – The Internet & Online Safety	
	Curricular Goals			
	How do I select, use and combine digital content using Microsoft Publisher?	Can I use loop commands to create two or more sequences that run at the same time?	When evaluating online content how do I decide how honest, accurate or reliable it is? What are some of the consequences of false information?	
	<i>Online Safety What are some strategies for keeping personal information safe online and what is the digital age of consent?</i>	<i>Online Safety How can I be respectful online? Why would someone need to limit the amount of their screen-time?</i>	<i>Online Safety What is mean by online identity and how do people adapt their online identity? Why do people need to think about how the content they post might affect others and how it may affect how others feel about them (their reputation)?</i>	
Yr 5	Online Safety Unit: Privacy and Security – Project Evolve	Unit: Programming B – Selection in Quizzes & Online Safety Unit: Health, Well-Being and Lifestyle – Project Evolve	Unit: Computer Systems and Networks – Systems and Searching & Online Safety Unit: Online Bullying – Project Evolve	
	Curricular Goals			
	How do I select, use and combine digital content using Microsoft PowerPoint (text, moving images and transitions between slides), including taking account of presentational features?	How do I design a quiz in response to a given task and implement it as a program, using my knowledge of writing programs and using selection to control outcomes?	How do I perform a web search and influence the results, including understanding the limitations of searching?	
	<i>Online Safety What are some strategies for keeping personal information and yourself safe online?</i>	<i>Online Safety Explain how screen time can affect health both positively and negatively.</i>	<i>Online Safety What are the different strategies that can be used if you experience bullying online?</i>	
Yr6	Unit: Data and Information – Introduction to Spreadsheets & Online Safety Unit: Privacy and Security – Project Evolve	Unit: Programming A - Variables in Games & Online Safety Unit: Health, Well-Being and Lifestyle – Project Evolve	Unit: Creating Media – Web Page Creation & Online Safety Unit: Online Reputation and Online Bullying – Project Evolve	
	Curricular Goals			

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		<p>How do I select, use and combine different functions of a spreadsheet to manipulate data?</p> <p><i>Online Safety</i> <i>What are the strategies for keeping personal information and yourself safe online, including keeping safe from hackers and scammers?</i></p>	<p>How do I apply my knowledge of variables and design to create and improve a game in Scratch?</p> <p><i>Online Safety</i> <i>What are some different strategies to limit the impact of technology on health?</i></p>	<p>Can I create, edit and improve my own webpage, which includes hyperlinks? What is meant by the terms copyright and fair use?</p> <p><i>Online Safety</i> <i>What does it mean to have an online reputation?</i> <i>What are the strategies to deal with online bullying?</i></p>
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