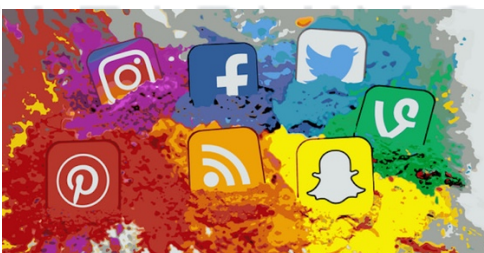
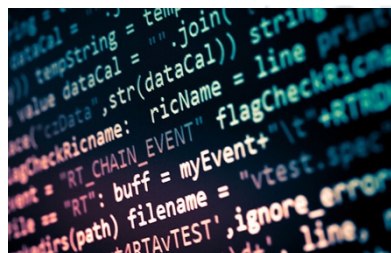


## Long Term Mapping Computing KS2

		Cycle 1 (2019-2020)	Cycle 2 (2020-2021)	Cycle 3 (2021-2022)	Cycle 4 (2022-2023)
Autumn	1	Exploring Online Safety	Exploring Online Safety	Exploring Online Safety	Exploring Online Safety
	2	Common uses of ICT	ICT within our Community	Public and Private	Help
Spring	1	Design Programs	Predict Behaviour	Learning to Control Devices	Debug
	2	Design Programs	Predict Behaviour	Learning to Control Devices	Debug
Summer	1	Gathering Information	Gathering Information	Gathering Information	Gathering Information
	2	Presenting Information	Presenting Information	Presenting Information	Presenting Information



## MEDIUM-TERM PLANNING

Aspiration for Life		To develop their use of technology.		Language for Life	Develop and understand new vocabulary associated with ICT.		Learning for Life	To use their skills in a range of settings and put them to practical use.					
CYCLE 1 (2019 – 2020)	INTENT	<b>Digital Literacy</b>			<b>Computing Science</b>			<b>Information Technology</b>					
		<b>Autumn 1</b> 7 weeks		<b>Autumn 2</b> 8 weeks		<b>Spring 1</b> 6 weeks		<b>Spring 2</b> 6 weeks		<b>Summer 1</b> 5 weeks		<b>Summer 2</b> 7 weeks	
		<b>Exploring Online Safety</b>		<b>Common uses of ICT</b>		<b>Design Programs</b>			<b>Gathering Information</b>		<b>Presenting Information</b>		
		To use technology safely, respectfully and responsibly. To recognise acceptable/unacceptable behaviour and to identify a range of ways to report concerns about content and contact.				To create and debug simple programmes. To design, write and debug a range of programs that accomplish specific goals, using various forms of inputs and output.				To use a variety of software effectively to collect, analyse, evaluate and present data and information.			
		To identify common uses of technology. To understand computer networks, how they provide multiple services and the opportunities they offer for communication.											
		<b>SUGGESTED ACTIVITIES/ SOFTWARE</b>											
		Construct a safe profile SMART Thinking Kudos Playkids Talk ThinkUKnow.co.uk Picture books (Chicken Clicking, #Goldilocks etc.) Using keyboard, printer, microphone etc. Network spider web Sending Emails				Espresso Coding Scratch Bee-Bot / Bee-Bot App Junk Maze Human Crane The7sisters.co.uk – Space/Santa Rescue, Fly Bee! Following instructions to program Raspberry Pi				Google Kiddle KidRex Wacky Safe True or False PowerPoint Research a celebrity Research a historical event (Topic) Present to the teacher			
		<b>VOCABULARY</b>											
		Safety, Online, Report, Content, Cyber-bullying, Social Media, Chat, Personal, Information, Username, Password, Block, Profile, SPAM, Virus, Help, Trust.				Program, Design, Create, Debug, Code, Input, Output, Sequence, Selection, Repetition, Variable, Algorithm, Error				Collect, Research, Search, Information, Data, Analyse, Present, Source, Reliable, Bias			
		Network, Hardware, Software, Input, Output, Machine, Network, Email, Communicate, Internet, Share											
<b>IMPLEMENTATION</b>													
<b>Week 1:</b> Key vocab, intro and prior knowledge		<b>Week 1:</b> Key vocab, intro and prior knowledge		<b>Week 1:</b> Key vocab, intro and prior knowledge		<b>Week 1:</b> Recap		<b>Week 1:</b> Key vocab, intro and prior knowledge		<b>Week 1:</b> Key vocab, intro and prior knowledge			
<b>Week 2:</b> Personal Information		<b>Week 2:</b> Technology in the wider world		<b>Week 2-3:</b> Different Inputs & Outputs		<b>Week 2:</b> Debug an error (continued)		<b>Week 2-3:</b> Finding Information		<b>Week 2:</b> Reliable / bias Information			
<b>Week 3:</b> Acceptable / Unacceptable behaviour		<b>Week 3-4:</b> Input / Output Hardware		<b>Week 4-5:</b> Following instructions to program a specific goal		<b>Week 3-5:</b> Design and create your own program		<b>Week 4:</b> Reliable Information		<b>Week 3-5:</b> Creating a PowerPoint / Presentation			
<b>Week 4:</b> Cyber-bullying		<b>Week 5-6:</b> Networks & the Internet		<b>Week 6:</b> Debug an error		<b>Week 6:</b> Assessment		<b>Week 5:</b> Assessment		<b>Week 6:</b> Presenting			
<b>Week 5-6:</b> Reporting concerns		<b>Week 7:</b> Email / communication								<b>Week 7:</b> Assessment			
<b>Week 7:</b> Assessment		<b>Week 8:</b> Assessment											

To equip learners with the knowledge and the skills to use computers to learn, enjoy and achieve, routing their knowledge in online safety and how to use the internet as a functional tool to assist them through life.

## MEDIUM-TERM PLANNING

Aspiration for Life		To develop their use of technology.		Language for Life		Develop and understand new vocabulary associated with ICT.		Learning for Life		To use their skills in a range of settings and put them to practical use.			
<b>CYCLE 2 (2020 – 2021)</b>	<b>INTENT</b>	<b>Digital Literacy</b>		<b>Computing Science</b>				<b>Information Technology</b>					
		<b>Autumn 1</b> 7 weeks		<b>Autumn 2</b> 7 weeks		<b>Spring 1</b> 6 weeks		<b>Spring 2</b> 5 weeks		<b>Summer 1</b> 7 weeks		<b>Summer 2</b> 6 weeks	
		<b>Exploring Online Safety</b>		<b>ICT within our Community</b>		<b>Predict Behaviour</b>				<b>Gathering Information</b>		<b>Presenting Information</b>	
		To use technology safely, respectfully and responsibly. To recognise acceptable/unacceptable behaviour and to identify a range of ways to report concerns about content and contact.		To identify common uses of technology. To understand computer networks, how they provide multiple services and the opportunities they offer for communication.		To use logical reasoning to predict the behaviour of simple programs. To design, write and debug a range of programs that accomplish specific goals, using various forms of inputs and output.				To use a variety of software effectively to collect, analyse, evaluate and present data and information.			
		<b>SUGGESTED ACTIVITIES/ SOFTWARE</b>											
		Construct a safe profile SMART Thinking Kudos Playkids Talk ThinkUKnow.co.uk Picture books (Chicken Clicking, #Goldilocks etc.) Using keyboard, printer, microphone etc. Network spider web Sending Emails				Espresso Coding Scratch Bee-Bot / Bee-Bot App Junk Maze Human Crane The7sisters.co.uk – Space/Santa Rescue, Fly Bee! Following instructions to program Match instructions to outcomes Raspberry Pi				Google Kiddle KidRex Wacky Safe True or False PowerPoint Research a country Research a historical event (Topic) Present to the class			
		<b>VOCABULARY</b>											
		Safety, Online, Report, Content, Cyber-bullying, Social Media, Chat, Personal, Information, Username, Password, Block, Profile, SPAM, Virus, Help, Trust.  Technology, Network, Hardware, Software, Input, Output, Machine, Network, Email, Communicate, Internet, Share				Predict, Program, Design, Create, Debug, Code, Input, Output, Sequence, Selection, Repetition, Variable, Algorithm, Error				Collect, Research, Search, Information, Data, Analyse, Present, Source, Reliable, Bias			
		<b>IMPLEMENTATION</b>											
		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2:</b> Personal Information <b>Week 3:</b> Acceptable / Unacceptable behaviour <b>Week 4:</b> Cyber-bullying <b>Week 5-6:</b> Reporting concerns <b>Week 7:</b> Assessment		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2-3:</b> Technology in the wider world <b>Week 4-6:</b> Input / Output Hardware – Using Technology <b>Week 7:</b> Assessment		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2-3:</b> Different Inputs & Outputs <b>Week 4-5:</b> Following Instructions <b>Week 6:</b> Predict the Output		<b>Week 1:</b> Recap <b>Week 2:</b> Predict the Output (continued) <b>Week 3-5:</b> Design and create your own program <b>Week 5:</b> Assessment		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2-3:</b> Finding Information <b>Week 4-5:</b> Reliable / bias Information <b>Week 6:</b> Research <b>Week 7:</b> Assessment		<b>Week 1:</b> Recap, key vocab, intro and prior knowledge <b>Week 2-4:</b> Creating a PowerPoint / Presentation <b>Week 5:</b> Presenting <b>Week 6:</b> Assessment	

To equip learners with the knowledge and the skills to use computers to learn, enjoy and achieve, routing their knowledge in online safety and how to use the internet as a functional tool to assist them through life.

## MEDIUM-TERM PLANNING

<b>Aspiration for Life</b>	To develop their use of technology.	<b>Language for Life</b>	Develop and understand new vocabulary associated with ICT.	<b>Learning for Life</b>	To use their skills in a range of settings and put them to practical use.		
CYCLE 3 (2021 – 2022)	To equip learners with the knowledge and the skills to use computers to learn, enjoy and achieve, routing their knowledge in online safety and how to use the internet as a functional tool to assist them through life.	<b>Digital Literacy</b>		<b>Computing Science</b>		<b>Information Technology</b>	
		<b>Autumn 1</b> 7 weeks	<b>Autumn 2</b> 7 weeks	<b>Spring 1</b> 7 weeks	<b>Spring 2</b> 7 weeks	<b>Summer 1</b> 7 weeks	<b>Summer 2</b> 7 weeks
		<b>Exploring Online Safety</b>	<b>Public and Private</b>	<b>Learning to Control Devices</b>		<b>Gathering Information</b>	<b>Presenting Information</b>
		<p>To use technology safely, respectfully and responsibly. To recognise acceptable/unacceptable behaviour and to identify a range of ways to report concerns about content and contact.</p> <p>To keep personal information private and understand what information is safe to be made public.</p>		<p>To create and debug simple programmes. To design, write and debug a range of programs, including controlling and simulating physical systems.</p>		<p>To use a variety of software effectively to collect, analyse, evaluate and present data and information.</p>	
		<b>SUGGESTED ACTIVITIES/ SOFTWARE</b>					
		<p>Construct a safe profile</p> <p>SMART Thinking</p> <p>Creating passwords</p> <p>Kudos</p> <p>Playkids Talk</p> <p>ThinkUKnow.co.uk</p> <p>Picture books (Chicken Clicking, #Goldilocks etc.)</p> <p>Can you keep a secret?</p> <p>Private in the house</p> <p>Research Celebrity private information (Address etc.)</p>		<p>Espresso Coding</p> <p>Scratch</p> <p>Bee-Bot / Bee-Bot App</p> <p>Junk Maze</p> <p>Human Crane</p> <p>Domino Effect (Missing pieces etc.)</p> <p>Mouse Trap</p> <p>The7sisters.co.uk – Space/Santa Rescue, Fly Bee!</p> <p>Following instructions to program</p> <p>Raspberry Pi</p>		<p>Google</p> <p>Kiddle</p> <p>KidRex</p> <p>Wacky Safe</p> <p>True or False</p> <p>PowerPoint</p> <p>Research a celebrity</p> <p>Research a historical event (Topic)</p> <p>Present to an audience</p>	
		<b>VOCABULARY</b>					
		<p>Safety, Online, Report, Content, Cyber-bullying, Social Media, Chat, Personal, Information, Username, Password, Block, Profile, SPAM, Virus, Help, Trust.</p> <p>Public, Private, Safe, Secret, Security, Personal, Share, Information, Fraud.</p>		<p>Control, Program, Design, Create, Debug, Code, Input, Output, Sequence, Selection, Repetition, Variable, Algorithm, Error</p>		<p>Collect, Research, Search, Information, Data, Analyse, Present, Source, Reliable, Bias</p>	
		<b>IMPLEMENTATION</b>					
		INTENT	<p><b>Week 1:</b> Key vocab, intro and prior knowledge</p> <p><b>Week 2:</b> Personal Information</p> <p><b>Week 3:</b> Acceptable / Unacceptable behaviour</p> <p><b>Week 4:</b> Cyber-bullying</p> <p><b>Week 5-6:</b> Reporting concerns</p> <p><b>Week 7:</b> Assessment</p>	<p><b>Week 1:</b> Key vocab, intro and prior knowledge</p> <p><b>Week 2-3:</b> Public and Private</p> <p><b>Week 4:</b> Privacy at Home</p> <p><b>Week 5-6:</b> Keeping Information Safe</p> <p><b>Week 7:</b> Assessment</p>	<p><b>Week 1:</b> Key vocab, intro and prior knowledge</p> <p><b>Week 2-4:</b> Exploring Variety of Devices</p> <p><b>Week 5-7:</b> Following Instructions to use devices</p>	<p><b>Week 1:</b> Recap</p> <p><b>Week 2-3:</b> Debug instructions</p> <p><b>Week 4-5:</b> Write your own instructions</p> <p><b>Week 6:</b> Follow instructions written by pupils</p> <p><b>Week 7:</b> Assessment</p>	<p><b>Week 1:</b> Key vocab, intro and prior knowledge</p> <p><b>Week 2-3:</b> Finding Information</p> <p><b>Week 4:</b> Reliable Information</p> <p><b>Week 5:</b> Assessment</p>

## MEDIUM-TERM PLANNING

Aspiration for Life		To develop their use of technology.		Language for Life		Develop and understand new vocabulary associated with ICT.		Learning for Life		To use their skills in a range of settings and put them to practical use.			
<b>CYCLE 4 (2022 – 2023)</b>  To equip learners with the knowledge and the skills to use computers to learn, enjoy and achieve, routing their knowledge in online safety and how to use the internet as a functional tool to assist them through life.	<b>Digital Literacy</b>		<b>Computing Science</b>		<b>Information Technology</b>								
	<b>Autumn 1</b> 7 weeks		<b>Autumn 2</b> 7 weeks		<b>Spring 1</b> 7 weeks		<b>Spring 2</b> 7 weeks		<b>Summer 1</b> 7 weeks		<b>Summer 2</b> 7 weeks		
	<b>Exploring Online Safety</b>		<b>Help</b>		<b>Debug</b>		<b>Gathering Information</b>		<b>Presenting Information</b>				
	To use technology safely, respectfully and responsibly. To recognise acceptable/unacceptable behaviour and to identify a range of ways to report concerns about content and contact.				To create and debug simple programmes. To design, write and debug a range of programs that accomplish specific goals, using various forms of inputs and output.				To use a variety of software effectively to collect, analyse, evaluate and present data and information.				
	<b>SUGGESTED ACTIVITIES/ SOFTWARE</b>												
	Construct a safe profile SMART Thinking Kudos Playkids Talk ThinkUKnow.co.uk Picture books (Chicken Clicking, #Goldilocks etc.) ProjectEvolve SaferInternet.org.uk				Espresso Coding Scratch Bee-Bot / Bee-Bot App Junk Maze Human Crane The7sisters.co.uk – Space/Santa Rescue, Fly Bee! Following instructions to program Correcting Instructions Raspberry Pi				Google Kiddle KidRex Wacky Safe True or False PowerPoint Research a celebrity Research a historical event (Topic) Present to an audience				
	<b>VOCABULARY</b>												
	Safety, Online, Report, Content, Cyber-bullying, Social Media, Chat, Personal, Information, Username, Password, Block, Profile, SPAM, Virus, Help, Trust.				Predict, Program, Design, Create, Debug, Fix, Correct, Solve, Code, Input, Output, Sequence, Selection, Repetition, Variable, Algorithm, Error				Collect, Research, Search, Information, Data, Analyse, Present, Source, Reliable, Bias				
	<b>IMPLEMENTATION</b>												
	<b>INTENT</b>		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2:</b> Personal Information <b>Week 3:</b> Acceptable / Unacceptable behaviour <b>Week 4:</b> Cyber-bullying <b>Week 5-6:</b> Reporting concerns <b>Week 7:</b> Assessment		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2:</b> Acceptable / Unacceptable behaviour <b>Week 3:</b> Identifying unacceptable behaviour <b>Week 4:</b> Trusted adults <b>Week5-6:</b> Asking for help / reporting concerns. <b>Week 7:</b> Assessment		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2-3:</b> Following instructions / algorithms <b>Week 4-5:</b> Finding errors in instructions <b>Week 6-7:</b> Fixing errors in instructions		<b>Week 1:</b> Recap <b>Week 2-4:</b> Debug – Find and fix errors in instructions <b>Week 5-6:</b> Write and test own instructions. Debug own and others'. <b>Week 7:</b> Assessment		<b>Week 1:</b> Key vocab, intro and prior knowledge <b>Week 2-3:</b> Finding Information <b>Week 4-5:</b> Reliable / bias Information <b>Week 6:</b> Research <b>Week 7:</b> Assessment		<b>Week 1:</b> Recap, key vocab, intro and prior knowledge <b>Week 2-4:</b> Creating a PowerPoint / Presentation <b>Week 5:</b> Presenting <b>Week 6:</b> Assessment