

'Curriculum Planning - Computing (2020/21)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Online safety and signing of Acceptable Internet Use policy. Lesson includes Smartie the Penguin (Childnet)	Online safety – dealing with pop ups.	Online safety linked to Be Safe value: personal information and asking to use the internet. Online friends and strangers. Kind words.	Online safety – what to do if something goes wrong?	Online safety – what to do if something goes wrong?	Online safety – password privacy.
	<p>Introduction to iPads and desktop computers in the classroom – bronze skills.</p> <p>PSED: Introduce 2Publish to create new signs for the classroom.</p> <p>Reading: Talking Stories</p> <p>Reading: Alphabet Pairs – Initial sounds</p> <p>Reading: Alphabet Jigsaw</p> <p>Number and SSM: Maths City 1 and 2 and A-fish-metic</p> <p>Understanding the World: Introduce</p>	<p>PSED, Technology and Writing: Introduce 2Email and 2Respond</p> <p>Reading: Phase 2 – Cloze (satpin) Then moving through each group of sounds</p> <p>Reading: Alphabet Jigsaw</p> <p>Number: Number Paint Project</p> <p>Shape, Space and Measure: 2DIY and 2Design and Make (shape)</p> <p>The World: Bonfire Night</p>	<p>Robot Day</p> <p>Introduction to Beebot programming and use 2Go.</p> <p>Reading: Phase 3 – Cloze (j,v,w,x) Then moving through each group of sounds</p> <p>Number: Sequencing Snake</p> <p>The World: Wintry Worlds: Paint Project – Polar Bears/Penguins</p>	<p>Reading: Phase 3 – Cloze (Continued)</p> <p>Number: Bond Bubbles</p> <p>SSM: Measuring Find the shortest Find the tallest</p> <p>The World: Easter Design an Easter Egg Create Easter Egg poster</p>	<p>Writing: 2Create a story</p> <p>Number: 2Count – Tally – Favourite fruit</p> <p>The World: Living Things 2Paint - Minibeasts</p>	<p>The World: Zoo Animals Paint Project – Animal of their choice</p> <p>Writing: 2Create a story</p> <p>Number: Bond Bubbles</p> <p>Number: Addition/Subtraction One more/less up to 21</p> <p>Think GR8 Feel GR8 week: Mini Mash Grocers</p> <p>Send a class email to Y1</p>

	<p>2Connect to create a topic map.</p> <p>Expressive Arts: Digital art using 2PaintaPicture, Wet Paint and Paint Projects. Introduction of 2Beat and 2Explore</p>	<p>2Paint Stay Safe Poster</p>				
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<p>Ongoing</p>	<p>Class desktop computers and iPads – independent access in the classroom throughout the year to Simple City and Mini Mash/Purple Mash</p> <p>2Count and 2Quiz – set as home learning challenges</p> <p>Computing Goals – Bronze level</p>
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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Online safety and signing of Acceptable Internet Use policy. Watch Jessie and Friends episode 1: Thinkuknow.co.uk Introduce 3Cs: Content, contact, conduct.	Online safety – safe photos. Watch Jessie and Friends episode 2: Thinkuknow.co.uk	Online safety linked to Be Safe value: personal information and safe sharing. Online friends and strangers. Watch Jessie and Friends episode 3: Thinkuknow.co.uk	Online safety - safe photos and videos.	Online safety – being kind to friends online.	Online safety – pop ups and competitions.
	1.1 Online Safety & Exploring Purple Mash 4 weeks 1.2 Grouping & Sorting 2 weeks	1.3 Pictograms 3 weeks 1.4 Lego Builders 3 weeks	<i>Using Data loggers (Woodhouse Park Trip – temperature)</i> 1.5 Maze Explorers 3 weeks Robot Day Beebot Expeditions	1.6 Animated Story Books 5 weeks	1.7 Coding 6 weeks	1.8 Spreadsheets 3 weeks 1.9 Technology outside school 2 weeks
Ongoing	Class desktop computers and iPads – independent access in the classroom throughout the year. Computing Goals –Silver level					

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 2	Online safety and signing of Acceptable Internet Use policy. Watch Lee and Kim's Animal Magic video: CEOP – staying safe while playing online games and age restrictions on games.	Online safety – Re-cap staying safe online – respond to children's questions and concerns.	Online safety linked to Be Safe value: personal information and safe sharing. Online friends and strangers. Play Band Runner: thinkuknow.co.uk Watch 'Play Like Share' episode 1, 2 and 3: Being safe when playing games online.	Online safety – Safe searching online. Checking accuracy of information.	Online safety – Re-cap staying safe online – respond to children's questions and concerns.	Online safety – Re-cap staying safe online – respond to children's questions and concerns.
	<i>Introduce 'Hit the Button' times tables game.</i> 2.2 Online Safety 3 weeks	2.8 Presenting ideas (linked to CCL topic) 4 weeks	2.1 Coding 5 weeks	2.5 Effective Searching 3 weeks (Link to CCL Transport Percy Shaw) 2.7 Making Music 3 weeks Robot Day Roamers (Link to CCL Transport)	2.6 Creating Pictures 5 weeks (link to CCL and include Frida Kahlo) 2.3 Spreadsheets 1 weeks <i>Word Processing using Microsoft Word linked to English or CCL</i> 1 week	2.3 Spreadsheets 3 weeks 2.4 Questioning 3 weeks <i>Power point presentations</i> <i>Introduce TT Rockstars.</i>
Ongoing	Hit the Button – times tables game and Purple Mash activities Computing Goals –Silver level					

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Online safety and signing of Acceptable Internet Use policy. Explore thinkuknow website age 8-10 'Stay safe' section (Play) Play Cyber Café – Band Runner: thinkuknow.co.uk Use Purple Mash to email a friend with Online safety tips.	Online safety – Appropriate websites and safe searching.	Online safety linked to Be Safe value: cyberbullying. Explore thinkuknow website age 8-10 'Stay safe' sections (Like, Share and Chat, Lock and Explore)	Online safety – Re-cap staying safe online – respond to children's questions and concerns.	Online safety – Re-cap staying safe online - respond to children's questions and concerns.	Online safety – Re-cap staying safe online - respond to children's questions and concerns.
	<i>TT Rockstars re-cap.</i> 3.2 Online Safety 3 weeks 3.1 Coding 3 weeks	3.1 Coding cont. 3 weeks 3.3 Spreadsheets 3 weeks	3.4 Touch Typing 4 weeks <i>BBC Dance Mat Typing 1 week</i> <i>Word Processing using Microsoft Word linked to English or CCL 1 week</i>	3.5 Email 6 weeks	3.6 Branching Databases 4 weeks <i>Microsoft Excel linked to Maths/Science 1 week</i> Robot Day Lego Wedo programming – Viking boat – links to CCL topic of Vikings.	3.7 Simulations 3 weeks 3.8 Graphing 3 weeks
Ongoing	TT Rockstars and Purple Mash activities (weekly spellings test) Computing Goals –Gold level					

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Year 4	Online safety and signing of Acceptable Internet Use policy. Google Legends: Explore Interland – Mindful Mountain (Think before you share).	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.	Online safety linked to Be Safe value: Safer Internet Day resources	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.
	4.2 Online Safety 4 weeks including sending emails and introduce the Snipping tool 4.1 Coding 2 weeks	4.1 Coding cont. 4 weeks Purple Mash Multiplication games Robot Day Pivot animation linked to Rainforests CCL topic. Includes digital art using Microsoft Paint to create a background.	4.3 Spreadsheets 6 weeks Including MS Excel	4.4 Writing for different audiences 5 weeks <i>Use MS Word in English</i>	4.5 Logo 4 weeks 4.6 Animation 2 weeks <i>Use MS Excel in Maths</i>	4.7 Effective Searching 3 weeks 4.8 Hardware Investigators 2 weeks
Ongoing	TT Rockstars, Purple Mash activities and Class research tasks with link to CCL. Computing Goals – Gold level					

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	Online safety and signing of Acceptable Internet Use policy. Watch CEOP Jigsaw video – reinforces correct conduct and contact online.	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.	Online safety linked to Be Safe value: Safer Internet Day resources/Internet Legends Scheme	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.	Online safety – Re-cap staying safe online – respond to children’s questions and concerns.
	5.2 Online Safety 3 weeks 5.1 Coding 3 weeks	5.1 Coding cont. 3 weeks 5.4 Databases 4 weeks	5.5 Game Creator 4 weeks and use email to give feedback to peers <i>Microsoft Word – linked to PSHCE Value: Be Safe</i> Robot Day Lego Wedo programming – Lego Giant.	5.3 Spreadsheets 6 weeks	5.6 3D Modelling 4 weeks <i>Extension: Minecraft eco system design – linked to Building a Village CCL topic.</i> <i>Use Microsoft Excel – linked to Maths unit: Data Handling.</i>	5.7 Concept Maps 4 weeks <i>Extension: Minecraft eco system design – linked to Building a Village CCL topic.</i> Read Blogs linked to CCL
Ongoing	TT Rockstars, Purple Mash activities (weekly spelling quiz, maths 2do and a book from Serial Mash) and Class research tasks which link to CCL. Digital Goals – Platinum level					

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Year 6	Online safety and signing of Acceptable Internet Use policy. Watch 'Gone too far' Childnet Online safety video – cyberbullying.	Online safety – respond to children's questions and concerns.	Online safety linked to Be Safe value: respond to children's questions and concerns. Age restrictions on apps and websites.	Online safety – respond to children's questions and concerns.	Online safety – respond to children's questions and concerns.	Online safety – appropriate and inappropriate messages: Inappropriate use of texting/up-skirting – taught within PSHCE lessons.
	6.2 Online Safety 2 weeks <i>Interactive presentation using Power point linked to Landmarks CCL topic. 5 weeks</i>	<i>Interactive presentation using Power point linked to Landmarks CCL topic. Continued from A1</i>	6.3 Spreadsheets 5 weeks <i>Use MS Excel within Maths/Science</i>	6.4 Blogging 5 weeks	6.1 Coding 6 weeks	6.6 Networks 3 weeks 6.8 Binary 4 weeks Robot Day Lego Mindstorms programming.
Ongoing	TT Rockstars, Accelerated Reader, Digital Mapping and Purple Mash activities Use of PPT to present research (in CCL) Computing Goals – Platinum level					