

Burnside Primary School

Computing Curriculum Overview

<p>Essence of subject: to be confident and safe in a digital world</p> <p>Fluency: online safety, coding, keyboard and mouse skills & use of the internet</p> <p>Key strands: Computer Science, Information Technology, Digital Literacy</p>						
Year	Autumn Term		Spring Term		Summer Term	
1	<p><i>Computer Systems & Networks</i></p> <p>Technology Around Us</p>	<p><i>Creating Media</i></p> <p>Digital Painting</p>	<p><i>Programming</i></p> <p>Moving a Robot: BeeBots</p>	<p><i>Programming</i></p> <p>Introduction to Animation: Scratch Jr</p>	<p><i>Creating Media</i></p> <p>Digital Writing</p>	<p><i>Data & Information</i></p> <p>Grouping Data</p>
	<p>Online Safety <i>Media Balance & Wellbeing</i> <u>Media Balance is Important</u> How do we find a happy balance between our online and offline activities?</p>	<p>Online Safety <u>Digi Duck's Famous Friend</u></p>	<p>Online Safety <i>Media Balance & Wellbeing</i> <u>Pause for People</u> How do you say goodbye to technology when you don't want to?</p>	<p>Online Safety <u>Jessie & Friends Episode 2: Sharing Pictures</u></p>	<p>Online Safety <i>Privacy & Security</i> <u>Safety in My Online Neighbourhood</u> How do you go places safely online?</p>	<p>Online Safety NSPCC P.A.N.T.S https://undressed.lgfl.net/</p>
2	<p><i>Computer Systems & Networks</i></p> <p>IT Around Us</p>	<p><i>Programming</i></p> <p>Algorithms Unplugged & Mind Robots</p>	<p><i>Creating Media</i></p> <p>Digital Photography</p>	<p><i>Creating Media</i></p> <p>Digital Music</p>	<p><i>Programming</i></p> <p>Introduction to Quizzes</p>	<p><i>Data & Information</i></p> <p>Pictograms</p>
	<p>Online Safety <i>Media Balance & Wellbeing</i> <u>Pause & Think</u> How can we be safe, responsible and respectful online?</p>	<p>Online Safety Passwords Are Key (Project Evolve)</p>	<p>Online Safety <i>Media Balance & Wellbeing</i> <u>How Technology Makes You Feel</u> Why is it important to listen to your feelings when using technology?</p>	<p>Online Safety <i>Online Safety Stories</i> Troll Stinks! Chicken Clicking</p>	<p>Online Safety <i>Privacy & Security</i> <u>Internet Traffic Light</u> How do you stay safe when visiting a website or app?</p>	<p>Online Safety <u>Jesse & Friends Episode 3: Playing Games</u></p>

3	<p><i>Programming</i></p> <p>Sequencing Sounds</p>	<p><i>Creating Media</i></p> <p>Desktop Publishing</p>	<p><i>Computer Systems & Networks</i></p> <p>Connecting Computers</p>	<p><i>Programming</i></p> <p>Lego WeDo</p>	<p><i>Data & Information</i></p> <p>Branching Databases</p>	<p><i>Creating Media</i></p> <p>Animation</p>
	<p>Online Safety <i>Media Balance & Wellbeing</i> <u>We the Digital Citizens</u> How can we be good digital citizens?</p> <p><u>Device-Free Moments</u> Why is it important we have device-free moments?</p>	<p>Online Safety <i>Privacy & Security</i> <u>That's Private!</u> What kinds of information should I keep to myself when I use the internet?</p> <p><u>Password Generation</u></p>	<p>Online Safety <i>Digital Footprint & Identity</i> <u>Digital Trails</u> What information is okay to have in your digital footprint?</p> <p><u>Play Like Share Episode 1</u></p>	<p>Online Safety <i>Relationships & Communication</i> <u>Who Is In Your Online Community?</u> How are we all part of an online community?</p>	<p>Online Safety <i>Cyberbullying, Digital Drama & Hate Speech</i> <u>Putting a STOP to Online Meanness</u> What should you do if someone is mean to you online?</p>	<p>Online Safety <i>News & Media Literacy</i> <u>Let's Give Credit!</u> How can you give credit for other people's work?</p>
4	<p><i>Programming</i></p> <p>Kodu Game Design</p>	<p><i>Creating Media</i></p> <p>Photo Editing</p>	<p><i>Computer Systems & Networks</i></p> <p>The Internet</p>	<p><i>Programming</i></p> <p>Animating Music Videos</p>	<p><i>Data & Information</i></p> <p>Spreadsheets Pizza Party</p>	<p><i>Creating Media</i></p> <p>Audio Production</p>
	<p>Online Safety <i>Media Balance & Wellbeing</i> <u>Your Rings of Responsibility</u> How do digital citizens take responsibility for themselves, their communities and their world?</p>	<p>Online Safety <i>News & Media Literacy</i> <u>Is Seeing Believing?</u> Why do people alter digital photos and videos?</p> <p><u>Play Like Share Episode 2</u></p>	<p>Online Safety <i>Digital Footprint & Identity</i> <u>This Is Me</u> How does what I post online affect my identity?</p> <p><u>Play Like Share Episode 3</u></p>	<p>Online Safety <i>Relationships & Communication</i> <u>Our Digital Citizenship Pledge</u> What makes a strong community?</p>	<p>Online Safety <i>Cyberbullying, Digital Drama & Hate Speech</i> <u>The Power of Words</u> What should you do when somebody uses mean and hurtful language on the internet?</p>	<p>Online Safety <i>Privacy & Security</i> <u>Password Power Up</u> How can a strong password help protect your privacy?</p> <p>Gamble Aware (PSHE)</p>

5	<p><i>Programming</i></p> <p>Selection in Quizzes</p>	<p><i>Computer Systems & Networks</i></p> <p>Systems and Searching</p>	<p><i>Creating Media</i></p> <p>Vector Drawings</p>	<p><i>Programming</i></p> <p>Digital Music</p>	<p><i>Data & Information</i></p> <p>Flat-file Databases</p>	<p><i>Creating Media</i></p> <p>Video Editing</p>
	<p>Online Safety <i>Media Balance & Wellbeing</i> My Media Choices What makes a healthy media choice?</p>	<p>Online Safety <i>Privacy & Security</i> Private and Personal Information What information about you is okay to share online?</p>	<p>Online Safety <i>Digital Footprint & Identity</i> Our Online Tracks How does our online activity affect the digital footprints of ourselves and others?</p>	<p>Online Safety <i>Relationships & Communication</i> Keeping Games Fun and Friendly How can I help myself and others be positive and have fun while playing online games?</p>	<p>Online Safety <i>Cyberbullying, Digital Drama & Hate Speech</i> Be a Super Digital Citizen How can we be upstanders when we see cyberbullying?</p>	<p>Online Safety <i>News & Media Literacy</i> A Creator's Rights and Responsibilities What rights and responsibilities do you have as a creator? Twinkl: Spam What is Spam and how can we spot it?</p>
6	<p><i>Computer Systems & Networks</i></p> <p>Communication & Collaboration</p>	<p><i>Programming</i></p> <p>Variables in Games</p>	<p><i>Creating Media</i></p> <p>3D Modelling</p>	<p><i>Data & Information</i></p> <p>Spreadsheets</p>	<p><i>Programming</i></p> <p>Micro:bit Sensing</p>	<p><i>Creating Media</i></p> <p>Website Design</p>
	<p>Online Safety <i>Media Balance & Wellbeing</i> Finding My Media Balance What does media balance mean for me? Malware & Viruses (BBC)</p>	<p>Online Safety <i>Privacy & Security</i> You Won't Believe This! What is clickbait and how can you avoid it? Strong Passwords Positive/Negative Attention Online (CEOPs)</p>	<p>Online Safety <i>Digital Footprint & Identity</i> Beyond Gender Stereotypes How do gender stereotypes shape our experiences online? Age Related Content</p>	<p>Online Safety <i>Relationships & Communication</i> Digital Friendships How do you keep online friendships safe? NSPCC Share Aware Lucy & The Boy</p>	<p>Online Safety <i>Cyberbullying, Digital Drama & Hate Speech</i> Is it cyberbullying? What is cyberbullying and what can you do to stop it? Cyber Detectives (City of London Police)</p>	<p>Online Safety <i>News & Media Literacy</i> Reading News Online What are the important parts of an online news article? Self Esteem & Flattery Online (CEOPs)</p>