

Holy Trinity - Long Term Overview

Strands - Computer Science, Information Technology, Digital Literacy

TERM	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Robot Words (2/3 lessons - Create a story with word bank) <i>Busy Things, JIT</i></p> <p>Design a plate (3 lessons - creating an image) <i>Busy Things, JIT, Painting Drawing software</i></p>	<p>Making toast (3 lesson - How to make toast!) <i>Unplugged</i></p> <p>Beebot Garden Walk (4 lessons - Program a route) <i>Floor robots, iboard</i></p>	<p>Cyberwalk (3 lessons - Creating a digital image) <i>JIT, Painting & drawing software, Busy Things</i></p> <p>I can sort objects (4 lessons Creating graphs & sorting) <i>iboard, JIT</i></p>	<p>Smartie the Penguin (2 lessons - Know to ask for help) <i>Childnet resource</i></p> <p>How does my garden grow? (1 lesson Find information online) <i>BBC bitesize</i></p> <p>Who painted this? (2 lessons - Creating self-portraits, crediting work) <i>Busy Things</i></p>	<p>I'm a problem solver (3 lessons - Using instructions) <i>iboard, Busy Things</i></p> <p>Share my iceberg work (2 lessons - sharing work online) <i>JIT, j2Webby (or school blog software)</i></p>	<p>I can code! (4 lessons - Programming on-screen) <i>JIT, Tynker</i></p>
Year 2	<p>Mini-beasties (4 lessons - Sorting, classifying & asking questions) <i>J2branch, iboard</i></p>	<p>How does that work? (4 lessons - Algorithms) <i>Unplugged</i></p> <p>Demolition robot! (4/5 lessons - Program Beebot to complete a task) <i>Floor robot, JIT, Busy Things</i></p>	<p>(Continue) Demolition robot! (4/5 lessons - Program Beebot to complete a task) <i>Floor robot, JIT, Busy Things</i></p> <p>Getting to school safely (2/3 lessons - Create graphs & answer questions) <i>JIT, J2vote</i></p>	<p>Digi-ducks Dilemma (2 lessons - What to do when make mistakes online) <i>JIT or 2Publish+, presentation software</i></p> <p>Follow that footprint (1 lesson - Know we leave a 'digital trail' when on the internet) <i>Unplugged</i></p> <p>Do you like my Blog? (2 lessons - Create content & comment on others' work) <i>JIT, j2Webby - school blog resource</i></p>	<p>I can debug! (5 lessons - Programming on screen using simple commands) <i>JIT</i></p> <p>Finding out about ... (2 lessons - Finding information online about ... Mary Seacole <i>Any child friendly search engines</i></p>	<p>Let's send a message (2 lessons - Send & respond to emails or messages) <i>unplugged</i></p> <p>Finding out about us (3 lessons - Creating a class database & investigating it) <i>J2 Data, 2Investigate</i></p>

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Year 3	<p>Safe surfing with Dongle (2/4 lessons - Smart Rules & Personal information) <i>BBC video, J2e5, LGfl Cyberpass</i></p> <p>Journey of an email (2 lessons - Networks explained using email) <i>Pupil email or 2Email</i></p>	<p>Can your robot make shapes? (4 lessons - Algorithms) <i>iboard, Floor robots</i></p>	<p>Do you like my presentation? (4 lessons - Develop & share a presentation) <i>J2e5, j2webby -school blog resource</i></p>	<p>Would I lie to you? (2 lessons - Understanding facts / fake) <i>Encyclopaedia websites, Collins virtual experiments, BBC bitesize</i></p> <p>Creating a tessellation (2/3 lessons - Create repeated patterns with tessellations) <i>NEN gallery, Paint/2Paint a picture</i></p>	<p>I can use block coding (5 lessons - Program simple sequences) <i>J2code</i></p>	<p>I can make an on-screen animation (5 lessons - Create an animation using web tools) <i>Animation software options</i></p>
Year 4	<p>Let's Email (2 lessons – How email 'works' – use email to send a story) <i>Pupil email</i></p> <p>Internet scenario cards (1 lesson / scenario) <i>Unplugged</i></p> <p>Searching the web (2 lessons – Understanding search engine) <i>Barefoot resources</i></p>	<p>Logo Turtle Mania (6 lessons – Creating on-screen shapes using text based programming) <i>J2code</i></p>	<p>My exciting world landmarks (3/4 lessons - Finding information online) <i>J2e5, 2Publish+ Presentation software, NEN gallery, Child friendly search engines, BBC bitesize</i></p>	<p>Internet search and presentation (4-7 lessons – Finding information and images and presenting to an audience.) <i>J2e5, j2Webby (school blog software), NEN gallery, Encyclopaedia websites</i></p>	<p>Dancing with Scratch (4 lessons – Programming events using sequence) <i>Scratch</i></p>	<p>Design an alien landscape (3 lessons – Editing photos) <i>Pixlr</i></p> <p>Weather Data (3/4 lessons - Collecting and analysing information) <i>2Investigate, j2data, MS Excel®</i></p>

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Year 5	<p>Design a poster (3 lessons - Design an e safety poster) J2e5, presentation software, Thinkuknow, Kidsmart.</p> <p>Can you finish my story? (2 lessons - Blog a story for others to finish) J2e5, j2Webby (school blog software)</p>	<p>Starting with Scratch (5 lessons-on-screen programming) Scratch</p>	<p>Simply Delicious (5 lessons - Using formulae to model costs of a meal) MS Excel®</p>	<p>Stop! Check! (3 lessons - Understanding how to check website accuracy) Cybercafe (Thinkuknow), J2e5 or presentation software</p> <p>What is the Internet? (2 lessons-Explaining Internet & WWW) BBC bitesize, Barefoot computing</p>	<p>Logo block of flats (4 lessons - Procedures & variables) J2code</p> <p>My sustainable house (2 lessons - strategy simulation) Website / Spreadsheet</p>	<p>Pick one!</p> <p>Let's design in 3D! (3/4 lessons - Design a sculpture/ dream house) SketchUp Make</p> <p>I can make an animation! (5 lessons - Create a stop frame animation) j2Spotlight, Frames</p>
Year 6	<p>Are you a Cyber Superhero? (2/3 lessons – How to make good online decisions) Comic Maker, presentation software</p>	<p>Logo Patterns (2 lessons – Procedure, variables and ifelse) J2Code</p>	<p>Do you agree? (3 lessons – Create and share a presentation to persuade) J2e5, j2Webby (school blog software)</p>	<p>How fake is that? (2/3 lessons - Online media and its impacts on body image) Unplugged (PowerPoint® / optional presentation software)</p>	<p>Have fun with Scratch (4 lessons – Solving problems) Scratch</p>	<p>What's Wrong here? (3 lessons – Syntax and Logic errors) BBC Bitesize and Scratch</p>