

## Barlby Computing Planning 2021- 2022

Strands	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
topic	All about me	Material world	Hola Amigo!	Ancient Greece	Star Gazers	The Victorians
1 <sup>st</sup> half Autumn	<p><b>DL Smartie the Penguin</b> (2 lessons - Know to ask for help) <b>Childnet resource</b></p> <p><b>IT Robot Words</b> (2/3 lessons - Create a story with a word bank) <b>Busy Things, JIT</b></p>	<p><b>IT Say no to graffiti!</b> (3 lessons - Edit a photo &amp; create a poster – recycling focus?) <b>J2e5, 2Paint a Picture, word processing software, Publisher</b></p> <p><b>DL Let's send a message</b> (2 lessons - Send &amp; respond to messages) <b>unplugged</b></p>	<p><b>DL Would I lie to you?</b> (2 lessons - Checking facts) <b>Encyclopedia websites, &amp; BBC bitesize</b></p> <p><b>IT Do you like my presentation?</b> (4 lessons - Develop &amp; share a presentation) <b>J2e5, j2webby</b> (school blog resource)  Link to <b>topic and create presentation about animals or Europe</b> if studying</p>	<p><b>IT My exciting world landmarks</b> (3/4 lessons - Finding information online) <b>J2e5, 2Publish+ Presentation software, NEN gallery, Child friendly search engines, BBC bitesize</b></p> <p>Link to <b>looking at difference between modern and ancient Greece</b></p> <p><b>CS Searching the web</b> (2 lessons – Understanding how a search engine works) <b>Pupil email</b>  Link to <b>research for ancient Greeks</b></p>	<p><b>DL Internet scenario cards</b> (1 lesson / scenario) <b>Unplugged</b></p> <p><b>IT Simply Delicious</b> (5 lessons - Using formulae to model costs of a meal) <b>MS Excel®</b>  Could <b>rewrite activity to have information about planets and distances to explore using a spreadsheet model rather than a curry?</b></p>	<p><b>DL Are you a Cyber Superhero?</b> (2/3 lessons - Making good online decisions) <b>Comic Maker, presentation software</b></p> <p><b>IT Do you agree?</b> (3 lessons - Create &amp; share a presentation to persuade) <b>J2e5, j2Webby</b> (school blog software)  Take an aspect of <b>Victorian schooling to debate and persuade</b></p>
Resources to support	<p><b>LGfL EYFS spotlight resources</b> <a href="http://eyfs-spotlight.lgfl.net/all-about-me">http://eyfs-spotlight.lgfl.net/all-about-me</a></p>	<p><b>LGfL Switched on science Materials</b> <a href="http://sos.lgfl.org.uk/topic.html?y=2&amp;t=2">http://sos.lgfl.org.uk/topic.html?y=2&amp;t=2</a></p>			<p><b>Busy things science – Earth and space activities</b></p> <p><b>LGfL Switched on science Out of this world</b> <a href="http://sos.lgfl.org.uk/topic.html?y=5&amp;t=1">http://sos.lgfl.org.uk/topic.html?y=5&amp;t=1</a></p>	<p><b>Busy things Victorian activities within history</b></p>
topic	Dinosaurs	Famous People	Captain caveman!	Save the planet!	Water	Blood heart
2 <sup>nd</sup> half Autumn  <b>KIT LOAN HERE DO NOT MOVE UNITS</b>	<p><b>CS Journeys - Beebot Garden Walk</b> (4 lessons - Program a route) <b>Floor robots, iboard</b> Planning a route for a dinosaur – make Beebots into dinosaurs? Dinosaur mat/ map</p> <p><b>CS I'm a problem solver</b> (3 lessons - Using instructions) <b>iboard, Busy Things</b></p>	<p><b>IT Getting to school safely</b> (2/3 lessons - Create graphs &amp; answer questions)  <b>JIT, J2vote</b></p> <p><b>DL Finding out about...</b> (2 lessons - Finding information online) <b>Any child friendly search engines</b>  Link to <b>finding out about a famous person</b></p>	<p><b>CS Can your robot make shapes?</b> (4 lessons - Algorithms) <b>iboard, floor robots</b> (journey of a hunt?)</p> <p style="text-align: center;">OR</p> <p><b>CS Create a Kodu</b> (6 lessons – programming an onscreen object) Kodu</p>	<p><b>CS I can make a game using j2code</b> (5/6 lessons) Program a simple game) J2code – on theme of saving the environment</p> <p><b>IT I can rap!</b> (5 lessons - Writing &amp; recording a rap) <b>Audio network, Audacity, school podcast channel</b>  Make a rap/ music track to encourage saving resources and the planet</p>	<p><b>CS Starting with Scratch</b> (4 lessons - on-screen programming) <b>Scratch</b> Use <b>minibeast sprites to create scratch animations/ activities</b></p> <p><b>CS What's Wrong here?</b> (3 lessons - Syntax &amp; logic errors) <b>BBC bitesize, Scratch lesson from year 6 but links to water cycle</b></p>	<p><b>CS Robot Rampage!</b> (5 lessons - Program mBots) <b>mBot robots / Makeblock software</b> <b>You may need to follow the Y5 unit of work for mBots.</b></p> <p><b>CS Searching, Searching</b> (2/3 lessons - How a search engine 'works') <b>BBC bitesize, CookIT from NEN, Barefoot resources</b></p>

Resources to support	<a href="http://dinosaurs.lgfl.org.uk/">http://dinosaurs.lgfl.org.uk/</a> <b>D and K find out</b> <a href="https://www.dkfindout.com/us/dinosaurs-and-prehistoric-life/">https://www.dkfindout.com/us/dinosaurs-and-prehistoric-life/</a>	<b>D and K find out</b> <a href="https://www.dkfindout.com/us/searich/famous-people/">https://www.dkfindout.com/us/searich/famous-people/</a>				<b>Busy things science – the human body activities</b>
topic	<b>Travel and transport</b>	<b>Towers, Tunnels and turrets</b>	<b>Tremors</b>	<b>Chain Reaction</b>	<b>Mayans (Early Islamic civilization)</b>	<b>Frozen Kingdom</b>
1 <sup>st</sup> half Spring	<b>IT Design a plate</b> (3 lessons - creating an image) <b>Busy Things, JIT, Painting Drawing software (JIT use the ‘town’ background and add transport images)</b> <b>OR</b> <b>IT and DL</b> Design a face (2 lessons – design an avatar) <b>DL Sharing my iceberg work.</b> (2 lessons - sharing work online – use the cars template in turtle to program and share work on parking a car?) <b>JIT, j2Webby (or school blog software)</b>	<b>CS Demolition robot</b> (4 lessons - Algorithms) <b>Floor robot, JIT, Busy Things</b> <b>CS How does that work?</b> (4 lessons - Everyday devices) <b>Unplugged</b>	<b>DL Safe surfing with Dongle</b> (2/4 lessons - SMART rules & personal information) <b>BBC video, J2e5,</b> <b>IT I can make an animation</b> (5 lessons - Create an animation using web tools) <b>Animation software options</b> Make an animation of a volcano eruption (using j2spotlight or JIT animate tool)	<b>DL Internet search &amp; presentation</b> (4 lessons - Finding information & images & presenting to an audience) <b>J2e5, j2Webby (school blog software) NEN gallery, Encyclopaedia websites</b> Create a presentation about an aspect of the topic – bread? Changes to matter?	<b>IT Can you finish my story?</b> (2 lessons - Blog a story for others to finish) <b>J2e5, j2Webby (school blog software)</b> Alternative to story - create information and blog about Mayan civilization? Islamic civilization? <b>DL Design a poster</b> (3 lessons - Design a poster) J2e5, presentation software Design an information poster on topic focus	<b>CS Simultaing environments</b> (3 lessons Simulations) Linked to climate zones <b>DL How fake is that?</b> (3 lessons - Online media & its impacts on body image) <b>Unplugged (PowerPoint ® / optional presentation software)</b>
Resources to support	<b>TFL resources</b> <a href="https://londonblog.tfl.gov.uk/category/activities/?cid=email_FIN">https://londonblog.tfl.gov.uk/category/activities/?cid=email_FIN</a> <a href="http://AL.TFLM092.Tfl.Craft.Club">AL TFLM092 Tfl Craft Club</a> <a href="http://Marketing-transport-themed+arts+and+crafts">Marketing-transport-themed+arts+and+crafts</a>	<b>Busy things history – castles and knights activities</b>	<b>Busy things Geography – Human and physical geography – volcanoes and earthquakes activities</b>		<b>LGfL Maya resources</b> <a href="http://maya.lgfl.org.uk/">http://maya.lgfl.org.uk/</a>	<b>Polar exploration resource on LGfL</b> <a href="http://polar.lgfl.org.uk/">http://polar.lgfl.org.uk/</a> <b>Busy things science – living things and their habitats – global habitats activities</b> <b>Busy things Geography – Human and physical geography – polar regions activities</b>
topic	<b>Travel and transport (con't)</b>	<b>Let’s get healthy</b>	<b>Ancient Egyptians</b>	<b>Bright lights big city</b>	<b>Time travelers</b>	<b>ID</b>
2 <sup>nd</sup> half Spring	<b>IT I can sort objects</b> (4 lessons - Creating graphs & sorting) <b>iboard, JIT</b> Link to transport class topic creating graphs of traffic survey, car colours etc)	<b>DL Digi-ducks Dilemma</b> (2 lessons - Making mistakes online) <b>JIT or 2Publish+, presentation software</b> <b>IT Do you like my Blog?</b> (2 lessons - Create content & comment on others’ work) Perhaps design a healthy sandwich, meal,	<b>IT Finding out about healthy habits</b> (3 lessons - Databases) <b>J2data, 2Investigate</b> Link to topic of ancient Egypt and create a database about Egyptian gods <b>CS Words words words</b> (1 lesson - terminology)	<b>IT Design an alien landscape</b> (3 lessons - Editing photos) <b>Pixlr</b> Could use photographs of storms and lightening to edit for dramatic effect <b>IT Weather Data</b>	<b>IT I can make an animation!</b> (5 lessons - Create a stop frame animation) <b>Animation software options</b> Make an animation of the movement of an animal or the aging of a human?	<b>DL Internet scenario cards</b> (1 lesson / scenario) <b>Unplugged</b> <b>CS Have fun with Scratch</b> (4 lessons - Solving problems) <b>Scratch</b>

		<b>JIT, j2Webby (school blog resource)</b>		(3/4 lessons - Collecting & analysing information) <b>2Investigate, j2data, MS Excel®</b> Link to weather patterns in North America and comparison to UK?		
Resources to support	<b>London transport museum</b> <a href="https://www.ltmuseum.co.uk/learning/activities?cid=email_FINAL_TFLM092_Tfl_Craft_Club_Marketing-London+Transport+Museum">https://www.ltmuseum.co.uk/learning/activities?cid=email_FINAL_TFLM092_Tfl_Craft_Club_Marketing-London+Transport+Museum</a>  <b>D and K</b> <a href="https://www.dkfindout.com/us/transportation/">https://www.dkfindout.com/us/transportation/</a>	<b>Busy things</b> <b>Cooking and nutrition activities</b>	<b>LGfL ancient Egypt resources</b> <a href="http://ancientegypt.lgfl.org.uk/">http://ancientegypt.lgfl.org.uk/</a>	<b>LGfL</b> <b>Switched on science</b> <b>Electricity</b> <a href="http://sos.lgfl.org.uk/topic.html?v=4&amp;t=5">http://sos.lgfl.org.uk/topic.html?v=4&amp;t=5</a>		
topic	<b>Great fire of London</b>	<b>Beachcombers</b>	<b>Rainforests</b>	<b>Invaders and settlers</b>	<b>Off with her head!</b>	<b>A child's war</b>
1 <sup>st</sup> half Summer	<b>CS Giving Instructions - Making toast</b> (1 lesson - Programming devices) <b>Unplugged</b>  <b>CS I can code!</b> (4 lessons - Programming on-screen) <b>JIT, Tynker</b>	<b>CS I can debug!</b> (5 lessons - Programming on screen using simple commands) <b>JIT</b> Adapt to use the desert template in JIT  <b>DL Follow that footprint</b> 1 lesson - Know we leave a 'digital trail' when on the internet) <b>Unplugged</b>	<b>DL Internet scenario cards</b> (1 lesson / scenario ) <b>Unplugged</b>  <b>IT See and hear my mix</b>  (3 lessons – creating a photo presentation and adding music) <b>Movie Maker or Photos on windows 10 and audio network</b> Use theme of rainforest and match music to images	<b>DL Internet scenario cards</b> (1 lesson / scenario ) <b>Unplugged</b>  <b>CS Dancing with Scratch</b> (4 lessons - Programming events using selection) Scratch animation using own images dressed as Roman/Viking?	<b>IT Let's design in 3D!</b> (6 lessons - Design a sculpture/ dream house) <b>SketchUp Make</b> Create a plan of a Tudor house using sketch up	<b>IT Party time!</b> (4 lessons - Plan & cost a party) <b>MS Excel®</b> Use rationing and war time products instead of party menu?
Resources to support	<b>LGfL Great fire of London activity</b> <a href="http://stories.lgfl.org.uk/">http://stories.lgfl.org.uk/</a>	<b>Sallys seaside adventure</b> <b>Talking stories resource</b> <a href="http://stories.lgfl.org.uk/">http://stories.lgfl.org.uk/</a>			<b>Busy things history – Tudor activities</b> <a href="https://www.busythings.co.uk/lgfl-login/">https://www.busythings.co.uk/lgfl-login/</a>  <b>Tudor recipes</b> <a href="http://cookit.e2bn.org/historycookbook/index-32-tudors.html">http://cookit.e2bn.org/historycookbook/index-32-tudors.html</a>	<b>Busy things history – WW2 activities</b>  <b>war time recipes</b> <a href="http://cookit.e2bn.org/historycookbook/index-20-world-war-2.html">http://cookit.e2bn.org/historycookbook/index-20-world-war-2.html</a>
topic	<b>Seasons</b>	<b>Rio De Vida</b>	<b>Predator</b>	<b>Invaders and Settlers cont.</b>	<b>Off with her head! Cont.</b>	<b>A child's war cont.</b>

<p><b>2<sup>nd</sup> half Summer</b></p>	<p><b>DL</b> How does my garden grow? (1 lesson - Find information online) <b>BBC bitesize</b></p> <p><b>IT</b> Cyberwalk (3 lessons - Creating a digital image) JIT, Painting &amp; drawing software, Busy Things Use lively lines to design a garden in different seasons</p>	<p><b>IT</b> Finding out about us (3 lessons - Creating a class database &amp; investigating it) <b>J2 Data, 2Investigate</b></p> <p><b>IT</b> Mini-beasties (4 lessons - Sorting, classifying &amp; asking questions) <b>J2branch, iboard</b> Adapt to sort and classify Brazilian creatures?</p>	<p><b>CS</b> I can use block coding (5 lessons - Program simple sequences) <b>J2code</b> Create a program in j2visual where predator chases prey</p>	<p><b>IT</b> What's a spreadsheet? (3 lessons - Introduction to spreadsheets) <b>MS Excel®</b> Roman statistics?</p> <p><b>CS</b> Logo Turtle mania (6 lessons – controlling an onscreen 'turtle') <b>J2code</b> Link to battle movements?</p>	<p><b>CS</b> Logo shapes and patterns (5 lessons – controlling an onscreen 'turtle') <b>J2code</b> Procedures and variables</p>	<p><b>DL</b> How can we trust the internet? (3 lessons - Understand how to check validity) <b>Various identified websites</b> <b>Presentation software(optional) blogging software (optional)</b>  propaganda</p>
<p><b>Resources to support</b></p>	<p><b>Busy Things Science</b> <b>Seasonal changes activities</b></p>					<p><b>JIT branching database tool to create own yes/no data tree</b></p>

**DL** = Digital Literacy (Safeguarding)

**CS** = Computer Science (Programming)

**IT**= Information Technology (Publishing/ Data)

**Unplugged** = Can be taught without using computers