

Barlby Computing Planning 2019-2020

Strands	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
topic	Superheroes	Land Ahoy	Urban Pioneers	Potions	Pharaohs	Shakespeare's world
1 st half Autumn	<p>DL Smartie the Penguin (2 lessons - Know to ask for help) Childnet resource</p> <p>IT Robot Words (2/3 lessons - Create a story with a word bank) Busy Things, JIT</p>	<p>DL Digi-ducks Dilemma (2 lessons - Making mistakes online) JIT or 2Publish+, presentation software</p> <p>IT Do you like my Blog? (2 lessons - Create content & comment on others' work) JIT, j2Webby (school blog resource)</p>	<p>DL Would I lie to you? (2 lessons - Checking facts) Encyclopedia websites, & BBC bitesize</p>	<p>IT I can rap! (5 lessons - Writing & recording a rap) Audio network, Audacity, school podcast channel <i>Make a rap/ music track out of a spell/potion concoction</i></p> <p>IT My exciting world landmarks (3/4 lessons - Finding information online) J2e5, 2Publish+ Presentation software, NEN gallery, Child friendly search engines, BBC bitesize</p>	<p>DL Design a poster (3 lessons - Design an e safety poster) J2e5, presentation software, Thinkuknow, Kidsmart. <i>Design an information poster about pharaohs</i></p> <p>IT I can make an animation! (5 lessons - Create a stop frame animation) Animation software options</p>	<p>DL Are you a Cyber Superhero? (2/3 lessons - Making good online decisions) Comic Maker, presentation software</p> <p>IT Do you agree? (3 lessons - Create & share a presentation to persuade) J2e5, j2Webby (school blog software)</p>
Resources to support	<p>Superheroes comic maker www.superhero.lgfl.net</p>	<p>PB bear pirate island resources http://pbbear.lgfl.org.uk/</p>	<p>As an extra, if time, refresh skills from year 2 IT Say no to graffiti! (3 lessons - Edit a photo as graffiti!)</p>		<p>LGfL Ancient Egypt resource http://ancientegypt.lgfl.org.uk/</p>	<p>LGfL early Shakespeare resource http://earlyshakespeare.lgfl.org.uk/</p>
topic	Moon zoom	Towers, Tunnels and turrets	Heroes and Villains	Blue abyss	Time traveller	Blood heart
2 nd half Autumn KIT LOAN HERE DO NOT MOVE UNITS	<p>CS Journeys - Beebot Garden Walk (4 lessons - Program a route) Floor robots, iboard</p> <p>CS I'm a problem solver (3 lessons - Using instructions) iboard, Busy Things</p>	<p>CS Demolition robot (4 lessons - Algorithms) Floor robot, JIT, Busy Things</p> <p>CS How does that work? (4 lessons - Everyday devices) Unplugged</p>	<p>CS Can your robot make shapes? (4 lessons - Algorithms) iboard, floor robots</p> <p>DL Safe surfing with Dongle (2/4 lessons - SMART rules & personal information) BBC video, J2e5, (LGfL Cyberpass)</p>	<p>CS I can make a game using j2code (5/6 lessons Program a simple game) J2code</p> <p>CS Searching the web (2 lessons – Understanding how a search engine works) Pupil email</p>	<p>CS Robot Rampage! (5 lessons - Programming mBots) mBot robots / Makeblock software</p> <p>CS What is the Internet? (2 lessons-Explaining Internet & WWW) BBC bitesize, Barefoot computing</p>	<p>CS Robot Rampage! (5 lessons - Program mBots) mBot robots / Makeblock software <i>You may need to follow the Y5 unit of work for mBots.</i></p> <p>CS Searching, Searching (2/3 lessons - How a search engine 'works') BBC bitesize, CookIT from NEN, Barefoot resources</p>
Resources to support	<p>Use rocket template in JIT to program a route around the planets</p>	<p>Busy things history – castles and knights activities https://www.busythings.co.uk/lgfl-login/</p>	<p>Superheroes comic maker www.superhero.lgfl.net</p>		<p><i>If the topic is life stages –</i> Busy things science – the human body activities https://www.busythings.co.uk/lgfl-login/</p>	<p>Busy things science – the human body activities https://www.busythings.co.uk/lgfl-login/</p>

topic	Dinosaurs	Street detectives	Tremors	Road trip USA	Off with her head	Frozen Kingdom
1 st half Spring	<p>IT Design a plate (3 lessons - creating an image) Busy Things, JIT, Painting Drawing software</p> <p>DL Sharing my iceberg work. (2 lessons - sharing work online) – adapt 3BM lesson to be a dinosaur focus</p> <p>JIT, j2Webby (or school blog software)</p>	<p>IT Getting to school safely (2/3 lessons - Create graphs & answer questions)</p> <p>JIT, J2vote</p> <p>DL Finding out about... (2 lessons - Finding information online)</p> <p>Any child friendly search engines</p> <p>Link to finding out about local area</p>	<p>IT I can make an animation (5 lessons - Create an animation using web tools)</p> <p>Animation software options</p> <p>Make an animation of a volcano eruption (using j2spotlight or JIT animate tool)</p>	<p>IT Design an alien landscape (3 lessons - Editing photos)</p> <p>Pixlr</p> <p>Use a photo graph from USA to edit</p>	<p>IT Can you finish my story? (2 lessons - Blog a story for others to finish)</p> <p>J2e5, j2Webby (school blog software)</p> <p>Alternative to story - create information and blog about Tudor learning</p> <p>DL Stop! Check! (3 lessons - website validation)</p> <p>Cybercafe (Thinkuknow , J2e5 or presentation software)</p>	<p>DL How can we trust the internet? (3 lessons - Understand how to check validity)</p> <p>Various identified websites Presentation software(optional) blogging software (optional)</p> <p>DL How fake is that? (3 lessons - Online media & its impacts on body image)</p> <p>Unplugged (PowerPoint ® / optional presentation software)</p>
Resources to support	<p>http://dinosaurs.lgfl.org.uk/</p>	<p>Big day out resources to explore London</p> <p>http://bdo.lgfl.org.uk/</p> <p>Going to the park, a trip to the market, a trip down the river Thames</p> <p>Talking stories resource</p> <p>http://stories.lgfl.org.uk/</p>	<p>Busy things Geography – Human and physical geography – volcanoes and earthquakes activities</p> <p>https://www.busythings.co.uk/lgfl-login/</p>		<p>Busy things history – Tudor activities</p> <p>https://www.busythings.co.uk/lgfl-login/</p> <p>Tudor recipes</p> <p>http://cookit.e2bn.org/historycookbook/index-32-tudors.html</p>	<p>Polar exploration resource on LGfL</p> <p>http://polar.lgfl.org.uk/</p> <p>Busy things science – living things and their habitats – global habitats activities</p> <p>https://www.busythings.co.uk/lgfl-login/</p> <p>Busy things Geography – Human and physical geography – polar regions activities</p> <p>https://www.busythings.co.uk/lgfl-login/</p>
topic	Splendid Skies	Muck, mess and mixtures	Predator	1066	Beast creator	A child's war
2 nd half Spring	<p>IT I can sort objects (4 lessons - Creating graphs & sorting)</p> <p>iboard, JIT</p> <p>Link to geog science class topic</p>	<p>IT Say no to graffiti! (3 lessons - Edit a photo & create a poster)</p> <p>J2e5, 2Paint a Picture, word processing software, Publisher</p> <p>DL Let's send a message (2 lessons - Send & respond to messages)</p> <p>unplugged</p>	<p>CS I can use block coding (5 lessons - Program simple sequences) J2code</p> <p>Create a program in j2visual where predator chases prey</p>	<p>DL Internet search & presentation (4 lessons - Finding information & images & presenting to an audience)</p> <p>J2e5, j2Webby (school blog software) NEN gallery, Encyclopaedia websites</p> <p>Create a presentation about 1066</p>	<p>CS Starting with Scratch (4 lessons - on-screen programming) Scratch</p> <p>Use minibeast sprites to create scratch animations/ activities</p>	<p>CS What's Wrong here? (3 lessons - Syntax & logic errors)</p> <p>BBC bitesize, Scratch</p> <p>IT Party time! (4 lessons - Plan & cost a party)</p> <p>MS Excel®</p> <p>Use rationing and war time products instead of party menu?</p>
Resources to support				<p>Norman and medieval recipes</p> <p>http://cookit.e2bn.org/historycookbook/index-27-normans-medieval.html</p>	<p>Busy things science – animals activities</p> <p>https://www.busythings.co.uk/lgfl-login/</p>	<p>Busy things history – WW2 activities</p> <p>https://www.busythings.co.uk/lgfl-login/</p>

						war time recipes http://cookit.e2bn.org/history-cookbook/index-20-world-war-2.html
topic	Paws Claws and whiskers	The scented garden	Gods and Mortals	Misty mountains sierra	Stargazers	ID
1st half Summer	CS Giving Instructions - Making toast (1 lesson - Programming devices) Unplugged CS I can code! (4 lessons - Programming on-screen) JIT, Tynker	CS I can debug! (5 lessons - Programming on screen using simple commands) JIT <i>Adapt to use the garden/flowers template in JIT</i> IT Mini-beasties (4 lessons - Sorting, classifying & asking questions) J2branch, iboard	DL Internet scenario cards (1 lesson / scenario) Unplugged IT Do you like my presentation? (4 lessons - Develop & share a presentation) J2e5, j2webby (school blog resource) <i>Link to Greek topic make a presentation about Greeks</i>	DL Internet scenario cards (1 lesson / scenario) Unplugged IT Weather Data (3/4 lessons - Collecting & analysing information) 2Investigate, j2data, MS Excel® <i>Link to weather work in topic</i>	DL Internet scenario cards (1 lesson / scenario) Unplugged IT Simply Delicious (5 lessons - Using formulae to model costs of a meal) MS Excel® <i>Could rewrite activity to have information about planets and distances to explore using a spreadsheet model rather than a curry?</i>	DL Internet scenario cards (1 lesson / scenario) Unplugged CS Have fun with Scratch (4 lessons - Solving problems) Scratch
Resources to support	Busy things science – animals activities https://www.busythings.co.uk/lqf-l-login/	Busy things science – animals activities https://www.busythings.co.uk/lqf-l-login/			Busy things science – Earth and space activities https://www.busythings.co.uk/lqf-l-login/	JIT branching database tool to create own yes/no data tree
topic	The enchanted woodland	Beachcombers	Scrumdiddlyumptious	Burps, bottoms and bile	Allotment	Hola Mexico
2nd half Summer	DL How does my garden grow? (1 lesson - Find information online) BBC bitesize IT Cyberwalk (3 lessons - Creating a digital image) JIT , Painting & drawing software, Busy Things	DL Follow that footprint 1 lesson - Know we leave a 'digital trail' when on the internet) Unplugged IT Finding out about us (3 lessons - Creating a class database & investigating it) J2 Data, 2Investigate	IT Finding out about healthy habits (3 lessons - Databases) J2data, 2Investigate <i>Link to topic of sweets and healthy eating</i> CS Words words words (1 lesson - terminology)	CS Dancing with Scratch (4 lessons - Programming events using selection) <i>Scratch animation of a bodily process?</i> IT What's a spreadsheet? (3 lessons - Introduction to spreadsheets) MS Excel®	IT Let's design in 3D! (6 lessons - Design a sculpture/ dream house) SketchUp Make <i>Create a plan of an allotment using sketch up</i>	IT Let's design & combine in 3D (6 lessons - Product design - a sweet treat) SketchUp Make <i>Design a Mexican treat? piñata</i>
Resources to support		Sallys seaside adventure Talking stories resource http://stories.lqfl.org.uk/	LGfL Cook it resource to find recipes http://cookit.e2bn.org/	Busy things science – the human body activities https://www.busythings.co.uk/lqf-l-login/	Busy things science – plants activities https://www.busythings.co.uk/lqf-l-login/	

DL = Digital Literacy (Safeguarding)

CS = Computer Science (Programming)

IT= Information Technology (Publishing/ Data)

Unplugged = Can be taught without using computers