Southcoates Primary Academy

		1 **Time Travel**	2 **Planet Earth**	3 **Heroes and Villains**	4 **What's in the news?**	5 **Food for thought**	6 **Incredible Humans**
Cycle A	**EY**	**Dinosaurs** **Online Safety and basic skills** - Informing grown-ups when something goes wrong - Keeping personal information safe	**Solar System** **Programming** - BeeBots - Following BeeBot programs - Writing BeeBot programs	**Traditional Tales** **Technology in our lives** - Completing simple age-appropriate online games on the IWB and iPads	**Spring Into Action** **Technology in our lives** - Completing simple age-appropriate online games on the IWB and iPads	**Healthy Living** **Handling data** - Collecting information directly into a pictogram	**The Human Body** **Multimedia** - Painting pictures with different colours and textures using age-appropriate online software
	1/2	**Back to the Stone Age** **Online Safety and basic skills** - Logging on - Keeping personal info safe - Reporting content - Compare online and real life	**Marvellous Mini-beasts** **Programming** - Instructions as algorithms - Correct order of instructions **Theme links:** programming using mini-beast habitat programming mats and mini-beast characters / BeeBots. **Cross-curricular links:** knowledge of different mini-beast habitats and whether they are a in a human / physical geographical feature (geography and science); knowing and using positional language (maths); knowing that an algorithm is a command sentence (English). **Cultural passport link:** Visiting Tophill Low Nature Reserve to study mini-beast habitats.	**From Book to Film** **Technology in our lives** - Home, school, community technology - Benefits of technology **Theme links:** using technology (Purple Mash) to create images in the style of Walt Disney and Uber Iwerks. **Cross-curricular links:** using knowledge of Walt Disney and Uber Iwerks illustration techniques to create digital versions of the drawings (art and design).	**Save the Orangutans** **Technology in our lives** - Website reliability - Using links **Theme links:** using a range of age appropriate websites to research palm oil and conservation efforts for orang-utans' habitats. **Cross-curricular links:** applying geographical knowledge to decide on the reliability of different websites (geography).	**Take me to Italy** **Handling data** - Collecting information - Branching databases - Creating charts and graphs **Theme links:** collecting data linked to favourite foods and using this to make and talk about a bar chart on 2graph. **Cross-curricular links:** collecting and interpreting data (maths); understanding that a balanced diet helps to keep us healthy (science); designing and making a healthy pasta sauce (design and technology).	**Amazing Amy** **Multimedia** - Typing - Online tools to share ideas - Saving and opening files **Theme links:** using multimedia to share work about Amy Johnson. **Cross-curricular links:** using Amy Johnson fact files to present information using different multimedia (English); communicating information learned about Amy Johnson using multimedia (history); creating a flying machine based on the work of Daniel Agdag (art).
	3/4	**Vikings** **Online Safety and basic skills** - Logging in and out (secure passwords/personal information/safety privacy settings discussion) - Discussion around responsible online use - Online game age ratings - Reporting unacceptable online behaviour - Save and retrieve files **Theme links:** using internet to research Viking life. **Cross-curricular links:** research about Vikings (history); using computing to prepare for year 4 times tables check (maths).	**Volcanoes** **Programming/coding** - Creating own algorithms - Sequencing program commands - Using repeat commands - Debugging algorithms **Cross-curricular links:** using computing to prepare for year 4 times tables check (maths).	**The Second World War** **Technology in our lives** - Saving work on school shared network - Using internet search engines safely - WWW/internet differences discussion - Communicate safely online - Using hyperlinks - Reliability of online info **Theme links:** using internet to research the Second World War. **Cross-curricular links:** research about the 'Home Front' during World War Two (history); using computing to prepare for year 4 times tables check (maths).	**What a load of rubbish!** **Technology in our lives** - Previous half term content and: - Online copyright Cross curricular - Geography – google maps Year 4 times tables check Maths – graphs and tally chart of litter survey (Purple Mash) **Theme links:** exploring local area maps online.	**Chocolate: is it worth it?** **Handling data** - Organising data - Searching a current database - Branching databases - Collecting own data - Identifying incorrect data - Choosing best way to present data - Create and search databases asking questions - Using a datalogger **Cross-curricular links:** using computing to prepare for year 4 times tables check (maths).	**Invictus Games** **Multimedia** - Using different tools to create effects - Combine text, graphics and sounds - Use photos and videos - Thinking about multimedia for different purposes - Feedback to own and others work **Theme links:** research Invictus athletes **Cross-curricular links:** creating factfiles of athletes on Purple Mash (English); using computing to prepare for year 4 times tables check (maths).
	5/6	**Ancient Greece** **Online Safety and basic skills** - Logging in and out (secure passwords/personal information/safety privacy settings discussion) - Consequences of sharing info online - Safety and reporting features on social media, supporting friends online - Appropriate games and sites with age ratings - Typing - Saving documents - Saving images - Using laptops and tablets/Ipads **Theme links:** using internet to research Ancient Greece and to providing images for work. **Cross-curricular links:** research about Ancient Greeks (history); using computing to prepare for year 5/6 times tables check (maths).	**Natural disasters** **Programming/coding** - Algorithms - Designing programmes - Inputs, outputs, variables - Debugging, 'if' 'then' commands - Using logical reasoning - Refining commands to improve a program **Cross-curricular links:** using computing to prepare for year 5/6 times tables check (maths).	**"Once more unto the breach…"** **Technology in our lives** - Using search engines safely - Difference between WWW and internet - Describe information transportation on Internet - Search results rankings - Using information for different purposes - Copyright - Modern device use - Bias and reliability discussion **Cross-curricular links:** using computing to prepare for year 5/6 times tables check (maths).	**Our Community** **Handling data** - Features of databases - Searching databases - Planning a database - Creating a database - Order/sequence data from a database - Discuss what makes a database successful - Check data for accuracy and plausibility - Present data in most appropriate way - Interpret/interrogate database **Theme links:** looking at how data is presented digitally **Cross-curricular links:** using computing to prepare for year 5/6 times tables check (maths).	**Great Southcoates Bake Off**	**Game, Set and Match** **Multimedia** - Discuss software: PowerPoint, media player etc - Discuss importance of audience in images and video - Animations: sets of steps needed and create one - Selecting suitable images, sounds - Combine a range of media to develop atmosphere - Evaluate own and others work **Cross-curricular links:** using computing to prepare for year 5/6 times tables check (maths).

Cycle B		1 **Kings and Queens**	2 **A drop in the ocean**	3 **A stitch in time**	4 **A helping hand**	5 **Who is your favourite author?**	6 **Survival of the fittest**
	EY	**Fairy Tales** **Online Safety and basic skills** - Informing grown-ups when something goes wrong - Keeping personal information safe	**Under the Sea** **Programming** - BeeBots - Following BeeBot programs - Writing BeeBot programs	**Materials that we use** **Technology in our lives** - Completing simple age-appropriate online games on the IWB and iPads	**The gift of charity** **Technology in our lives** - Completing simple age-appropriate online games on the IWB and iPads	**Children's Authors** **Handling data** - Collecting information directly into a pictogram	**Healthy Bodies, Healthy Minds** **Multimedia** - Painting pictures with different colours and textures using age-appropriate online software
	1/2	**The Victorians** **Online Safety and basic skills** - Logging on - Keeping personal info safe - Reporting content - Compare online and real life	**Penguin Parade** **Programming** - Instructions as algorithms - Correct order of instructions **Theme links:** programming using Antarctic animal programming mats and animals. **Cross-curricular links:** knowledge of different countries (geography); knowing and using positional language (maths); knowing that an algorithm is a command sentence (English).	**Magical Memories** **Technology in our lives** - Home, school, community technology - Benefits of technology **Theme links:** using technology (Purple Mash) to communicate knowledge history knowledge learned about toys in the form of a leaflet **Cross-curricular links:** using knowledge about changes in technology linked to toys (history); using work in writing books in their leaflet (English).	**999 – Emergency!** **Technology in our lives** - Website reliability - Using links **Theme links:** finding out about the technology that the emergency services use to help people.	**Beatrix Potter v Oliver Jeffers** **Handling data** - Collecting information - Branching databases - Creating charts and graphs **Theme links:** using branching databases to classify plants. **Cross curricular links:** using knowledge of plants (science); using knowledge of handling data (maths).	**Predators** **Multimedia** - Typing - Online tools to share ideas - Saving and opening files **Theme links:** using multimedia to share work linked to predators. **Cross-curricular links:** using writing work in different multimedia formats (English).
	3/4	**Henry VIII** **Online Safety and basic skills** - Logging in and out (secure passwords/personal information/safety privacy settings discussion) - Discussion around responsible online use - Online game age ratings - Reporting unacceptable online behaviour - Save and retrieve files **Cross-curricular links:** using computing to prepare for year 4 times tables check (maths).	**The Lost Villages** **Programming/coding** - Creating own algorithms - Sequencing program commands - Using repeat commands - Debugging algorithms **Cross-curricular links:** using computing to prepare for year 4 times tables check (maths).	**The 1960s** **Technology in our lives** - Saving work on school shared network - Using internet search engines safely - WWW/internet differences discussion - Communicate safely online - Using hyperlinks - Reliability of online info **Cross-curricular links:** using computing to prepare for year 4 times tables check (maths).	**How can I help?** **Technology in our lives** - Previous half term content and online copyright **Theme links:** Purple Mash data handling. **Cross-curricular links:** using computing to prepare for year 4 times tables check (maths).	**Roald Dahl vs David Walliams** **Handling data** - Organising data - Searching a current database - Branching databases - Collecting own data - Identifying incorrect data - Choosing best way to present data - Create and search databases asking questions - Using a datalogger **Cross-curricular links:** using computing to prepare for year 4 times tables check (maths).	**Deadly Sixty** **Multimedia** - Using different tools to create effects - Combine text, graphics and sounds - Use photos and videos - Thinking about multimedia for different purposes - Feedback to own and others work **Theme links:** factfile about the animals enc **Cross-curricular links:** factfile of endangered animals (English), using computing to prepare for year 4 times tables check (maths).
	5/6	**Boudicca** **Online Safety and basic skills** - Logging in and out (secure passwords/personal information/safety privacy settings discussion) - Consequences of sharing info online - Safety and reporting features on social media, supporting friends online - Appropriate games and sites with age ratings - Typing - Saving documents - Saving images - Using laptops and tablets/ipads **Theme links:** using internet to research the Romans and to providing images for work. **Cross-curricular links:** research about the Romans (history); using computing to prepare for year 5/6 times tables check (maths).	**Transmigration, The Titanic and The Journey** **Programming/coding** - Algorithms - Designing programmes - Inputs, outputs, variables - Debugging, 'if' 'then' commands - Using logical reasoning - Refining commands to improve a program **Cross-curricular links:** research about transmigration through Hull (geography); Year 5 and 6 times tables check	**The Elizabethans** **Technology in our lives** - Using search engines safely - Difference between WWW and internet - Describe information transportation on Internet - Search results rankings - Using information for different purposes - Copyright - Modern device use - Bias and reliability discussion **Theme links:** using internet to research the Elizabethans and to providing images for work (history). **Cross-curricular links:** research about the Elizabethans (history); using computing to prepare for year 5/6 times tables check (maths).	**Looking after others** **Handling data** - Features of databases - Searching databases - Planning a database - Creating a database - Order/sequence data from a database - Discuss what makes a database successful - Check data for accuracy and plausibility - Present data in most appropriate way - Interpret/interrogate database **Cross-curricular links:** using internet to research local area (geography); using computing to prepare for year 5/6 times tables check (maths).	**Battle of the Authors: C.S.Lewis vs Phillip Pullman** **Theme links:** research Illustrators and providing images for their work **Cross-curricular links:** research for the biographies of the authors (history); using computing to prepare for year 5/6 times tables check (maths).	**Mankind vs Nature** **Multimedia** - Discuss software: PowerPoint, media player etc - Discuss importance of audience in images and video - Animations: sets of steps needed and create one - Selecting suitable images, sounds - Combine a range of media to develop atmosphere - Evaluate own and others work **Cross-curricular links:** using internet to research different countries and biomes (geography); using computing to prepare for year 5/6 times tables check (maths).