

E-safety coverage of *Switched on Computing* Year 1

	Title	Unit summary	In this unit, pupils will:	Programme of Study statement
1.1	We are treasure hunters	Using programmable toys	<ul style="list-style-type: none"> learn to use simple programmable toys safely and responsibly 	<ul style="list-style-type: none"> use technology safely and respectfully
1.2	We are TV chefs	Filming the steps of a recipe	<ul style="list-style-type: none"> learn how to use digital video cameras safely and to show respect to those they are filming learn to turn the screen off and tell their teacher if they encounter material that concerns them learn about copyright and permissions 	<ul style="list-style-type: none"> use technology safely and respectfully identify where to go for help and support when they have concerns about content on the internet or other online technologies
1.3	We are painters	Illustrating an eBook	<ul style="list-style-type: none"> learn to turn the screen off and tell their teacher if they encounter material that concerns them recognise the importance of protecting their identity learn about copyright and permissions 	<ul style="list-style-type: none"> identify where to go for help and support when they have concerns about content on the internet or other online technologies learn to keep personal information private
1.4	We are collectors	Finding images using the web	<ul style="list-style-type: none"> search the internet for images, learning how to use the internet safely, as well as showing respect for others' intellectual property through observing copyright conditions learn to turn the screen off and tell their teacher if they encounter material that concerns them 	<ul style="list-style-type: none"> use technology safely and respectfully
1.5	We are storytellers	Producing a talking book	<ul style="list-style-type: none"> learn to use audio recording software safely learn about copyright and permissions with regard to uploading their stories to external websites 	<ul style="list-style-type: none"> use technology safely and respectfully
1.6	We are celebrating	Creating a card electronically	<ul style="list-style-type: none"> learn to turn the screen off and tell their teacher if they encounter material that concerns them consider the aspects of using email safely, including protecting their identity and copyright 	<ul style="list-style-type: none"> identify where to go for help and support when they have concerns about content on the internet or other online technologies use technology safely and respectfully

E-safety coverage of *Switched on Computing* Year 2

	Title	Unit summary	In this unit, pupils will:	Programme of Study statement
2.1	We are astronauts	Programming on screen	<ul style="list-style-type: none"> • alert their teacher if they encounter inappropriate material when they search the web • learn about copyright and permissions 	<ul style="list-style-type: none"> • use technology safely and respectfully
2.2	We are games testers	Exploring how computer games work	<ul style="list-style-type: none"> • think about the violent nature of some video games and observe PEGI age restrictions • upload their projects to the Scratch website. The comments on the Scratch website are not moderated but pupils can report any which are inappropriate. This provides an opportunity to learn about where to go for help and support. 	<ul style="list-style-type: none"> • use technology safely and respectfully • identify where to go for help and support when they have concerns about content on the internet or other online technologies
2.3.	We are photographers	Taking, selecting and editing digital images	<ul style="list-style-type: none"> • consider implications of posting photos online 	<ul style="list-style-type: none"> • use technology safely and respectfully • learn to keep personal information private
2.4	We are researchers	Researching a topic	<ul style="list-style-type: none"> • consider how to stay safe when researching online • show respect for others' ideas and intellectual property by citing their sources, and using licensed images. 	<ul style="list-style-type: none"> • use technology safely and respectfully
2.5	We are detectives	Communicating clues	<ul style="list-style-type: none"> • learn about the risks associated with email, including viruses and spam. • consider the importance of keeping personal information, including account details and passwords, private 	<ul style="list-style-type: none"> • use technology safely and respectfully • learn to keep personal information private
2.6	We are zoologists	Recording bug hunt data	<ul style="list-style-type: none"> • learn to respect rules for using digital equipment outside of the classroom • consider the importance of keeping personal information, including names and photographs of people, private 	<ul style="list-style-type: none"> • use technology safely and respectfully • learn to keep personal information private

Unit	Title	Unit summary	In this unit, pupils will:	Programme of Study statement
3.1	We are programmers	Programming an animation	<ul style="list-style-type: none"> consider copyright when sourcing images develop safe search habits consider positive participation in an online community 	<ul style="list-style-type: none"> use technology respectfully and safely use search technologies effectively
3.2	We are bug fixers	Finding and correcting bugs in programs	<ul style="list-style-type: none"> consider acceptable online behaviour consider the importance of keeping personal data private 	<ul style="list-style-type: none"> use technology respectfully and safely
3.3.	We are presenters	Videoring performance	<ul style="list-style-type: none"> obtain filming permission and discuss implications of making the video available online 	<ul style="list-style-type: none"> use technology respectfully and safely
3.4	We are network engineers	Exploring computing networks, including the internet	<ul style="list-style-type: none"> consider their 'digital footprint' and become aware of DNS for safe use of the internet learn to use command line diagnostic tools safely and responsibly 	<ul style="list-style-type: none"> use technology safely and responsibly
3.5	We are communicators	Communication safely on the internet	<ul style="list-style-type: none"> think about the safe use of email learn about the use of video conferencing 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly
3.6	We are opinion pollsters	Collecting and analysing data	<ul style="list-style-type: none"> learn about the legal and ethical requirements for designing online surveys and processing data 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly

	Title	Unit summary	In this unit, pupils will:	Programme of Study statement
4.1	We are software developers	Developing a simple educational game	<ul style="list-style-type: none"> consider copyright when sourcing images or media develop safe search habits 	<ul style="list-style-type: none"> use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
4.2	We are toy designers	Prototyping an interactive toy	<ul style="list-style-type: none"> consider copyright when sourcing images obtain parents' consent if uploading their work to the Scratch community site take care to work safely with a range of tools and electronic equipment 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly
4.3	We are musicians	Producing digital music	<ul style="list-style-type: none"> consider copyright when sourcing audio or publishing their own compositions discuss illegal downloading and sharing of copyrighted music 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly
4.4	We are HTML editors	Editing and writing HTML	<ul style="list-style-type: none"> learn how easily web pages can be modified discuss the reliability of web-based content 	<ul style="list-style-type: none"> be discerning in evaluating content
4.5	We are co-authors	Producing a wiki	<ul style="list-style-type: none"> consider strategies for evaluating the reliability of online content develop a shared wiki, thinking carefully about how to do so safely and responsibly, and considering what conduct is appropriate 	<ul style="list-style-type: none"> be discerning in evaluating content use technology safely, respectfully and responsibly
4.6	We are meteorologists	Presenting the weather	<ul style="list-style-type: none"> consider the importance of obtaining and using accurate data ensure appropriate permission is granted if they film each other think carefully about the implications of uploading their films to the school network or to the internet 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly

E-safety overview for *Switched on Computing* Year 5

	Title	Unit summary	In this unit, pupils will:	Programme of Study statement
5.1	We are game developers	Developing an interactive game	<ul style="list-style-type: none"> consider copyright when sourcing images or media develop safe search habits think about how to participate positively in an online community, as well as obtaining parental permission. 	<ul style="list-style-type: none"> use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content recognise acceptable/unacceptable behaviour identify a range of ways to report concerns about content
5.2	We are cryptographers	Cracking codes	<ul style="list-style-type: none"> learn how information can be communicated secretly over open channels using cryptography check the security of encrypted websites learn about the importance of password security and what makes a secure password 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly
5.3	We are artists	Fusing geometry and art	<ul style="list-style-type: none"> consider the importance of protecting personal information recognise that they are sharing their own copyrighted work with an audience 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly
5.4	We are web developers	Creating a web page about cyber safety	<ul style="list-style-type: none"> consider the reliability and bias of online content learn how to contribute positively to a shared resource 	<ul style="list-style-type: none"> be discerning in evaluating content recognise acceptable/unacceptable behaviour use technology safely, respectfully and responsibly
5.5	We are bloggers	Sharing experiences and opinions	<ul style="list-style-type: none"> consider what constitutes acceptable behaviours when commenting on others' blog posts discuss the importance of moderating comments on blog sites 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly be discerning in evaluating content
5.6	We are architects	Creating a virtual space	<ul style="list-style-type: none"> think about copyright when adding content or publishing images or videos of their model 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly

E-safety coverage of *Switched on Computing* Year 6

	Title	Unit summary	In this unit, pupils will:	Programme of Study statement
6.1	We are app planners	Planning the creation of a mobile app	<ul style="list-style-type: none"> consider implications of the capabilities of smartphones and tablet computers; including how they can be used to record and share information learn to use search engines safely and effectively 	<ul style="list-style-type: none"> use search technologies effectively use technology safely, respectfully and responsibly
6.2	We are project managers	Developing project management skills	<ul style="list-style-type: none"> learn to use online tools safely and effectively, considering how they can contribute positively to a shared project use search engines safely and effectively use online content, respecting any copyright conditions 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly use search technologies effectively
6.3	We are market researchers	Researching the app market	<ul style="list-style-type: none"> act safely and responsibly when conducting their research show regard for ethical and legal frameworks around conducting interviews and online surveys 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly
6.4	We are interface designers	Designing an interface for an app	<ul style="list-style-type: none"> think carefully about copyright in relation both to sourcing and creating their own digital content and user interface components for their apps 	<ul style="list-style-type: none"> use technology respectfully
6.5	We are app developers	Developing a simple mobile phone app	<ul style="list-style-type: none"> participate in online communities in a safe, responsible and respectful manner consider any safety implications for the site's users 	<ul style="list-style-type: none"> recognise acceptable/unacceptable behaviour use technology safely, respectfully and responsibly
6.6	We are marketers	Creative video and web copy for a mobile phone app	<ul style="list-style-type: none"> consider the legal and ethical framework round advertising across different media protect personal information when marketing their app 	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly