

Computing and Online Safety Curriculum

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Aspect	Year 1	Year 2
Areas Taught	iAlgorithm iModel iDraw iSilly iBuild iCompose iSafe	iProgram iSearch iAnimate iPub iBlog iDoMail iSafe
Events	Anti-Bullying Week Hour of Code Safer Internet Day	
Computer Science	<ul style="list-style-type: none"> • understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions • create and debug simple programs • use logical reasoning to predict the behaviour of simple programs • recognise common uses of information technology beyond school • use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<ul style="list-style-type: none"> • Understand that programs execute by following precise and unambiguous instructions • use logical reasoning to predict the behaviour of simple programs • create and debug simple programs • use technology purposefully to create, organise, store, manipulate and retrieve digital content • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
Information Technology	<ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content • recognise common uses of information technology beyond school • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
Digital Literacy	<ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content • recognise common uses of information technology beyond school 	<ul style="list-style-type: none"> • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies

eSafety	<ul style="list-style-type: none"> • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies • recognise common uses of information technology beyond school 	<ul style="list-style-type: none"> • recognise common uses of information technology beyond school • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
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Basic Skills	<ol style="list-style-type: none"> 1. How do I log in on laptop/PC? 2. How do I use home button on a tablet? 3. How do I develop coordination and motor skills in operation a mouse or roller pad on a laptop or PC? 4. How do I open a document or other file on a laptop/PC? 5. How do I open an appropriate app or home screen link on a tablet? 6. How do I take a photo and open camera roll on a tablet? 7. How do I follow a hyperlinked image to a website using a laptop or PC? 8. How do I follow links to find information? 9. How do I use keyboard to find the letters of your name or basic spellings? 10. How do I use the uppercase key for a capital letter? 11. How do I use a space bar to make spaces between words? 	<ol style="list-style-type: none"> 1. How do I use a personal login for online resources? 2. How do I open apps and software? 3. How do I save and open files and images? 4. How do I insert images within apps and software? 5. How do I use simple children's search engine e.g. Kiddle? 6. How do I use a keyboard to enter text (index fingers left and right hand)? 7. How do I know when and how to use the RETURN/ENTER key? 8. How do I use SHIFT and CAPS LOCK to enter capital letters? 9. How do I use DELETE and BACKSPACE buttons to correct text?
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Aspect	Year 3	Year 4
Areas Taught	iProgram iSimulate iNetwork iData iConnect iPodcast iSafe	iProgram iData iAnimate iProgram2 iDoWeDo iMail iSafe
Events	Anti-Bullying Week Hour of Code Safer Internet Day	
Computer Science	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration 	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals
Information Technology	<ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals 	<ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
Digital Literacy	<ul style="list-style-type: none"> understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals 	<ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals
eSafety	<ul style="list-style-type: none"> use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	<ul style="list-style-type: none"> understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

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Basic Skills	<ol style="list-style-type: none"> 1. How do I navigate a public drive to save and retrieve files? 2. How do I connect peripheral devices using a USB lead? 3. How do I use images saved to camera roll within a variety of apps? 4. How do I use Save and Save As on laptops and PCs? 5. How do I copy and rename files to edit on tablets? 6. What safe search engine can I use e.g. Primary ICT/Swiggle? 7. How do I use individual fingers to input text and use SHIFT key to type characters? 8. How do I amend text by highlighting and using SELECT/DELETE and COPY/PASTE? 9. How do I swap between letters and symbol input on a tablet? 10. How do add shapes and word art to documents and presentations? 	<ol style="list-style-type: none"> 1. How do I securely log on to a tablet, laptop and PC devices? 2. How do I rename documents and other files? 3. How do I browse to a specified website? 4. How do I create hyperlink to a website? 5. How do I recognise appropriate online sources for clipart and images? 6. How do I acknowledge sources of information/images? 7. How do I use a keyboard effectively, including the use of numbers? 8. How do I use a spellcheck? 9. What are the keyboard shortcuts on laptops and PCs? 10. How do I change font sizes and colour of text? 11. How do I use appropriate screen capture and insert in a document or presentation?
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Aspect	Year 5	Year 6
Areas Taught	iProgram iDraw iCrypto iWeb iProgram2 iModel iSafe	iProgram iNetwork iData iApp iModel iProgram2 iSafe
Events	Anti-Bullying Week Hour of Code Safer Internet Day	
Computer Science	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
Information Technology	<ul style="list-style-type: none"> understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	<ul style="list-style-type: none"> understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
Digital Literacy	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
eSafety	use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Basic Skills

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| <ol style="list-style-type: none">1. How do I use a secure personal login for a variety of online resources?2. How do I combine appropriate apps through the use of the camera roll on a tablet?3. How do I combine software to achieve effective outcomes?4. How do I work collaboratively on documents and presentations?5. How do I create hyperlinks within and between documents?6. How do I identify three online sources to check information?7. How do I use a keyboard to confidently input text, characters and numbers?8. How do I use bullet points?9. How do I add text boxes?10. How do I move, resize and rotate shapes, text and pictures?11. How do I use common keyboard shortcuts on laptops and PCs? | <ol style="list-style-type: none">1. How do I securely access a variety of devices and online resources?2. How do I store documents and videos online where they can be accessed by themselves and shared with others?3. How do I use knowledge of software and apps to combine technologies to support my learning?4. How do I recognise file types for text, image and video files?5. How do I use a range of search filters e.g. +, -, or, info: advanced searching, file type?6. How do I effectively use right click menu within documents and presentations?7. How do I save as a particular file type?8. How do I select menu options within a variety of apps?9. How do I create tables?10. How do I use find and replace when editing documents? |
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