

Moor House School & College Curriculum Map

YEAR GROUP/PATHWAY: KS2 and KS3				SUBJECT AREA: ICT
Autumn Term	KS2 (1/2 hr/wk.)	Year 7 (1 hr/wk.)	Year 8 (1 hr/wk.)	Year 9 (1 hr/wk.)
Knowledge	<p>TOPIC 1: Class Rules</p> <ul style="list-style-type: none"> Learn about student and staff rights and responsibilities. Understand that we must follow rules and be safety aware in the ICT Suite (introduction). <p>TOPIC 2: Explorers - Columbus</p> <ul style="list-style-type: none"> Learn the name of a famous explorer. Explore Columbus narrative. Remember what this explorer did. Learn how to use custom path animation. Learn how to find and use a computer calculator. Learn when Columbus lived. Learn why it is important to plan. Learn how to print work at school to the ICT Suite. Learn how to use drawing tools in desktop publisher software. Remember how to find Publisher. Learn to find suitable graphics online, using Google artificial intelligence and dictate (search by voice) tool. 	<p>MIB Project:</p> <p>TOPIC 1: Introductions to ICT & Basic functional computing skills</p> <ul style="list-style-type: none"> Understand that we must follow rules and be safety aware in the ICT Suite (introduction). Understand how a workstation should be set up safely. <p>MIB Project:</p> <p>TOPIC 2: Health & Safety</p> <p>As above</p> <ul style="list-style-type: none"> Introduction to health problems. Process of saving image. Reducing risks and protecting your health. 	<p>Impact Project:</p> <p>Topic 1: Data security</p> <ul style="list-style-type: none"> Topic keywords (1 lesson) Introduction to main topic keywords and resource guide. Remember H&S - Recap keywords (1 lesson) Set up folders & Data risks overview & email (3 lessons) Learn about the risks to data. <i>Extended: Create a poster montage in Publisher to show different ways that data can be lost.</i> Remember the risks to data (How data is lost). <i>Extended: Extension: finish Publisher montage re: data loss.</i> How to structure an email. Learn to develop/improve your email typing and layout skills. Learn to attach a graphic to your email. Use constructive feedback to improve your email. Remember different ways data can be lost. Learn how hackers hack. Understand that hacking is illegal. <i>Extend: Watch BBC Click – hacking.</i> 	<p>Impact Project:</p> <p>Topic 1: Data security</p> <ul style="list-style-type: none"> Topic keywords (1 lesson) Introduction to main topic keywords and resource guide. Remember H&S - Recap keywords (1 lesson) Set up folders & Data risks overview & email (3 lessons) Learn about the risks to data. <i>Extended: Create a poster montage in Publisher to show different ways that data can be lost.</i> Remember the risks to data (How data is lost). How to structure an email. Learn to develop/improve your email typing and layout skills. Learn to attach a graphic to your email. Use constructive feedback to improve your email. Remember different ways data can be lost. Learn how hackers hack. Understand that hacking is illegal. How to protect documents from hackers. Password protect a document. Remember what a backup is. Learn to back up a document/file to a portable device. Remember how to create a strong password. Cyber security: Hacking & Strong Password, Intruders, Computer Virus (6 lessons) Learn about the Computer Misuse Act. Understand the difference between a hacker and an intruder. Understand what a computer virus is. Learn about 3 main types of computer virus. Know how a computer gets a virus.

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	<ul style="list-style-type: none"> Learn to save and insert a picture (graphic). Learn how to use a Arrange tools. 		<ul style="list-style-type: none"> How to protect documents from hackers. Password protect a document. Remember what a backup is. Learn to back up a document/file to a portable device. Remember how to create a strong password. Cyber security: Hacking & Strong Password, Intruders, Computer Virus (6 lessons) Learn about the Computer Misuse Act. Understand the difference between a hacker and an intruder. Understand what a computer virus is. Learn about 3 main types of computer virus. Know how a computer gets a virus. <i>Extended: Add a sentence about the Computer Misuse Act. This is a law that we must all follow.</i> Remember the different types of computer virus and develop understanding of each type. 	<ul style="list-style-type: none"> Remember the different types of computer virus and develop understanding of each type. Know what they do. Introduce protection measures. Learn how a firewall protects data against Hackers and viruses. Remember what a firewall is and what it does. Learn about different types of physical security, to protect against intruders.
Skills	<p>TOPIC 1: Class Rules Student participation in quiz. Putting hand up, not calling out. Taking turns, verbalising and sharing ideas. Learning a selection of signs.</p> <p>TOPIC 2: Explorers - Columbus</p>	<p>MIB Project: TOPIC 1: Introductions to ICT & Basic functional computing skills Practising logging, using mouse buttons, setting default printer, menu</p>	<p>Impact Project: Topic 1: Data security</p> <ul style="list-style-type: none"> Writing in resource guide. (Could use Word or Outlook to type keywords, if time permits). Set up new folders: Data Security and E-safety. MS Publisher – 	<p>Impact Project: Topic 1: Data security</p> <ul style="list-style-type: none"> Writing in resource guide. (Could use Word or Outlook to type keywords, if time permits). Set up new folders: Data Security and E-safety. MS Publisher – create montage representing data loss.

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	<p>Load email. Read email (as class) from Mr C. Double-click attachment. Save attachment. Use custom path animation. Use Windows Accessories Calculator to perform number challenges. Print to ICT Suite colour printer. Design treasure island sketches using a pencil. First stage of planning - sketch 2 maps of treasure islands that Columbus might like to explore! Choose one design or take ideas from both to develop final design sketch. Use drawing tools in desktop publishing software to draw the best treasure map. Learn to search for MS Publisher (using search box). Learn how to use MS Publisher tools to draw a treasure island! Use Freeform and Shape Fill options to colour treasure map (including gradient and texture). Save work regularly and identify correct folder area. Remember how to find Publisher. Loading web browsers, using search engines. Learn to find suitable graphics online.</p>	<p>navigation, save work, organise folders.</p> <p>MIB Project: TOPIC 2: Health & Safety</p> <p>Type short email – keywords relating to health risks of using ICT, save draft, finding and loading draft email, developing email structure, spelling, punctuation and context, use appropriate greeting and sign off, insert pictures, copy and paste in Microsoft PowerPoint, describe diagrams, create a story animation using a background graphic and stickmen, plan a storyboard, use video camera features: record and stop, to capture short video clips, use Serif Movie Plus to import video clips, split and trim. <i>Extended: add background music, add text clips, use transitions, add special effects and add voice narration</i></p>	<p>create montage representing data loss.</p> <ul style="list-style-type: none"> • Email skills – write about data loss. Extension: finish Publisher montage re: data loss. • <i>Extended: Finish your Publisher Data Loss graphics montage (poster).</i> • Email skills – write about data loss. Extension: finish Publisher montage re: data loss. Attach graphic or Publisher montage to email. • Email skills – write about data loss. Extension: finish Publisher montage re: data loss. Attach graphic or Publisher montage to email. • Set up Word document. • Password protect Word document. • Back up file/document on USB drive. • Extended: additional presentation re: password protection. • Developing a stronger password that is easy to remember, using the key principles. • Find out about the computer Misuse Act online. • Use Google Earth Pro to locate the Pentagon. • Outlook email practise typing an email using exemplar. 	<ul style="list-style-type: none"> • Email skills – write about data loss. Extension: finish Publisher montage re: data loss. • <i>Extended: Finish your Publisher Data Loss graphics montage (poster).</i> • Email skills – write about data loss. Extension: finish Publisher montage re: data loss. Attach graphic or Publisher montage to email. • Email skills – write about data loss. Extension: finish Publisher montage re: data loss. Attach graphic or Publisher montage to email. • Set up Word document. • Password protect Word document. • Back up file/document on USB drive. • Extended: additional presentation re: password protection. • Developing a stronger password that is easy to remember, using the key principles. • Find out about the computer Misuse Act online. • Use Google Earth Pro to locate the Pentagon. • Outlook email practise typing an email using exemplar. • Outlook email practise typing an email using exemplar. • Matching challenge on email. • Saving attachment. • Outlook email practise typing an email using exemplar. • Matching challenge on email. • Saving attachment.
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	<p>Learn to save and insert a picture (graphic). Learn how to use arrange tools send backwards / bring forwards. <i>Extended:</i> Use Google artificial intelligence and dictate (search by voice) tool. Using transparent background tools for image manipulation. Label treasure map with callouts (speech bubbles).</p>		<ul style="list-style-type: none"> • Outlook email practise typing an email using exemplar. • Matching challenge on email. • Saving attachment. • Outlook email practise typing an email using exemplar. • Matching challenge on email. • Saving attachment. 	
Vocabulary	<p>TOPIC 2: Explorers: Columbus Explorer Christopher Columbus Globe Load Double-click Save Picture/graphic/image PowerPoint Animate Animation Motions path Custom path Calculator Design Sketches Print Treasure island Publisher Insert Shapes Free form Shape colour Shape texture</p>	<p>MIB Project: TOPIC 1: Introduction to ICT Rights Responsibilities Rules Left mouse button Right mouse button Menu (quick access) Start up Log on Shut down Folders</p> <p>MIB Project: TOPIC 2: Health & Safety Health risks Eye strain Neck pain Back ache Sore wrists (RSI) Stress Outlook New email Draft</p>	<p>Impact Project: Topic 1: Data security ICT Computing Society Health & Safety Data Security - Data loss - Data dangers - Data protection Montage Hacking Illegal Strong password Protect Damage Unauthorised access Backup (Read-only) Upper-case and lower-case Punctuation Symbols Computer Misuse Act Hacker</p>	<p>Impact Project: Topic 1: Data security ICT Computing Society Health & Safety Data Security - Data loss - Data dangers - Data protection Montage Hacking Illegal Strong password Protect Damage Unauthorised access Backup (Read-only) Upper-case and lower-case Punctuation Symbols Computer Misuse Act Hacker</p>

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	<p>Transparent Background Clip art</p>	<p>Microsoft Publisher Insert Pictures (graphics) Documents Folder Ergonomics Microsoft PowerPoint Copy & paste Aesthetic Physical hazard IT equipment Frame animation Static Storyboard Angles Assets Serif MoviePlus Import Split Trim.</p>	<p>Intruder Cybercrime Computer virus Email attachment Downloaded files Malware Spyware Adware Firewall Anti-virus software Protection Firewall Animated Gif</p>	<p>Intruder Cybercrime Computer virus Email attachment Downloaded files Malware Spyware Adware Firewall Anti-virus software Protection Firewall Animated Gif</p>
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Spring Term	KS2	Year 7	Year 8	Year 9
Knowledge	<p>TOPIC 3: Identity & E-safety</p> <ul style="list-style-type: none"> Understand what identity means (appearance, personality, likes, dislikes) Understanding personal/private information E-safety tips 	<p>MIB Project: TOPIC 3: E-safety</p> <ul style="list-style-type: none"> What E-Safety means. How we use the Internet. Basic understanding of cyberbullying. Learn how important it is to talk to people you trust if you feel worried, upset or scared. Know who you should talk to Strategies to stay safe online Identify differences between strangers and safer-strangers Social-networking and profiles Top 5 E-safety tips <p>MIB Project: TOPIC 4: Graphics & Format</p> <ul style="list-style-type: none"> Understanding how to change and move graphics in word 	<p>Impact Project: Topic 1: Data security (continued)</p> <ul style="list-style-type: none"> Firewall (2 lessons) Know what they do. Introduce protection measures. Learn how a firewall protects data against Hackers and viruses. <i>Extended: Research anti-virus software online. Add software brands to presentation.</i> Remember what a firewall is and what it does. <i>Extended: Write what Anti-virus software does.</i> <i>Find out online (on the Internet).</i> <i>Animate your text or graphics.</i> <i>Extended: add image of a biometric reader such as fingerprint or retina scanners.</i> Physical Security (2 – 3 lessons) Learn about different types of physical security, 	<p>Impact Project: Topic 1: Data security (continued)</p> <ul style="list-style-type: none"> Firewall (2 lessons) Know what they do. Introduce protection measures. Learn how a firewall protects data against Hackers and viruses. <i>Extended: Research anti-virus software online. Add software brands to presentation.</i> Remember what a firewall is and what it does. <i>Extended: Write what Anti-virus software does.</i> <i>Find out online (on the Internet).</i> <i>Animate your text or graphics.</i> <i>Extended: add image of a biometric reader such as fingerprint or retina scanners.</i> Physical Security (2 – 3 lessons) Learn about different types of physical security, to protect against intruders.

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			<p>to protect against intruders.</p> <p>Topic 2: E-Safety</p> <ul style="list-style-type: none"> • Know who to talk to if you are worried: your family; at school; in your local community. • <i>Extended: Attach work to email and print out.</i> • Learn good E-safety tips for being safe. • Learn how to help a student who is worried and needs help to solve a problem. • Practise typing an email to tell the student who can help them. • Learn what personal information is. Learn to keep personal information private. (only teach if students unsure). • Social networking + Avatar (1 lesson) Remember what social networking is. • <i>Extended: Print Screen your Avatar.</i> 	<p>9Y</p> <p>Impact Project:</p> <p>Topic 2: E-Safety</p> <ul style="list-style-type: none"> • Know who to talk to if you are worried: your family; at school; in your local community. • Learn good E-safety tips for being safe. • Learn how to help a student who is worried and needs help to solve a problem. • Practise typing an email to tell the student who can help them. • Learn what personal information is. Learn to keep personal information private. (only teach if students unsure). • Identity Theft (1 lesson) • Learn what identify theft is and how personal information can be stolen. • Learn that information that post online is there FOREVER. • Learn that images can be changed (manipulated / edited). • Learn how photos can be faked • (photos are images/graphics) 	<p>9X</p> <p>Impact Project:</p> <p>Topic 2: E-Safety</p> <ul style="list-style-type: none"> • Know who to talk to if you are worried: your family; at school; in your local community. • <i>Extended: Attach work to email and print out.</i> • Remember what social networking is. • Remember how to keep personal information private, to stay safe on social media. • Learn what a social network profile is. • Identify/find personal information and understand risks. • Identity Theft (1 lesson) • Learn what identify theft is and how personal information can be stolen. • Learn that information that post online is there FOREVER. • Learn that images can be changed (manipulated / edited). • Learn how photos can be faked • (photos are images/graphics) • Learn to develop skills in using graphic drawing tools in PowerPoint.
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			<ul style="list-style-type: none"> • <i>Copy + Paste into PowerPoint.</i> • <i>Right Click > Save as Picture...</i> • <i>Save Avatar in Pictures folder.</i> • Remember how to keep personal information private, to stay safe on social media. • Learn what a social network profile is. • Identify/find personal information and understand risks. • <i>Extended: Write Mr Crowhurst an email.</i> • <i>List at least 3 types of personal information that you should not put on a public profile.</i> • Identity Theft (1 lesson) • Learn what identify theft is and how personal information can be stolen. • Learn that information that post online is there FOREVER. • Learn that images can be changed 	<ul style="list-style-type: none"> • Learn to develop skills in using graphic drawing tools in PowerPoint. • Sexting (inc. social net. Y9 only – 1 - 2 lessons) • Learn what “sexting” means. • Learn about the risks of “sexting”, when using communication technologies (digital devices). • Online strangers + CEOP Videos (1 – Y9 only) • Learn what an abuser is. • Learn why it is dangerous to meet up with strangers, that you have met online. • Scams inc. Phishing (1 lesson) • Learn what phishing is. • Learn some ways to protect your identity. • Website validity & Fake news (3 lessons) • Learn how to check a website is valid. • What is a website? • Learn how to remove the background of a graphic. • How easy is it to edit (change) graphics. • Learn to combine text and graphics from different software. 	<ul style="list-style-type: none"> • Sexting (inc. social net. Y9 only – 1 - 2 lessons) • Learn about the risks of “sexting”, when using communication technologies (digital devices). • <i>Extended: Remember what “sexting” means.</i> • <i>Understand risks of “sexting”, when we use communication technologies (digital device)</i> • <i>To empower you to stop yourself getting into risky situations online.</i> • <i>Extended: Consequences of texting in greater depth.</i> • Online strangers + CEOP Videos (1 – Y9 only) • Learn what an abuser is. • Learn why it is dangerous to meet up with strangers, that you have met online. • Scams inc. Phishing (1 lesson) • Learn what phishing is. • Learn some ways to protect your identity. • Website validity & Fake news (3 lessons) • Learn how to check a website is valid. • What is a website?
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			<p>(manipulated / edited).</p> <ul style="list-style-type: none"> • <i>Extended: Type story.</i> • <i>Use columns for your text.</i> • Learn how photos can be faked • (photos are images/graphics) • Learn to develop skills in using graphic drawing tools in PowerPoint. • Scams inc. Phishing (1 lesson) • Website validity & Fake news (3 lessons) • Learn how to check a website is valid. • What is a website? • Learn how to remove the background of a graphic. • How easy is it to edit (change) graphics. • Learn to combine text and graphics from different software. • <i>Extended: Type your story.</i> • <i>Use columns for your text.</i> • <i>Remember what fake news means.</i> 	<ul style="list-style-type: none"> • Cyber terrorism & Radicalisation (2 lessons) • Learn these 3 keywords and what they mean: Terrorist; Terrorism; Radicalisation. • Learn what cyber-terrorism is. • Learn how a person can be radicalised into terrorism. 	<ul style="list-style-type: none"> • Learn how to remove the background of a graphic. • How easy is it to edit (change) graphics. • Learn to combine text and graphics from different software. • <i>Extended: Type your story.</i> • <i>Use columns for your text.</i> • <i>Remember what fake news means.</i> • <i>Learn the difference between "disinformation" and "misinformation".</i> • <i>Learn what "clickbait" is.</i> • REMEMBER: Be CAREFUL what you click on! • Cyber terrorism & Radicalisation (2 lessons) • Learn these 3 keywords and what they mean: Terrorist; Terrorism; Radicalisation. • Learn what cyber-terrorism is. • Learn how a person can be radicalised into terrorism. • <i>Extended: Write an email to one of our Deputy Heads to say what you have learnt about radicalisation and cyber-terrorism.</i> • <i>What is the most important thing you learnt?</i>
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			<ul style="list-style-type: none">• <i>Learn the difference between "disinformation" and "misinformation".</i>• <i>Learn what "clickbait" is.</i>• REMEMBER: <i>Be CAREFUL what you click on!</i>• Cyber terrorism & Radicalisation (2 lessons)• Learn these 3 keywords and what they mean: Terrorist; Terrorism; Radicalisation.• Learn what cyber-terrorism is.• Learn how a person can be radicalised into terrorism.• <i>Extended: Write an email to one of our Deputy Heads to say what you have learnt about radicalisation and cyber-terrorism.</i>• <i>What is the most important thing you learnt?</i>• Learn how to communicate on the		
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			<p>Internet in a positive/good way – Safety and Netiquette.</p> <ul style="list-style-type: none"> • Improve understanding of email etiquette. 		
Skills	TOPIC 3: Identity & E-safety Send emails using Web Outlook, save images from	MIB Project: TOPIC 3: E-safety	Impact Project: Topic 1: Data security (Continued)	Impact Project: Topic 1: Data security	

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	<p>the internet, copy and paste, use Android emulator to make an e-fit, find images of emotions using search engine, use print screen key, draw shapes using Paint.Net.</p>	<p>Searching internet, setting up basic email using Web Outlook, copying and pasting, load web email. <i>Extended: save graphic, add as attachment.</i></p> <p>Structure an email including spelling, punctuation and grammar, developing draft, printing and improving, NetSmartzKids – viewing videos, using headsets, navigate search engine using key words, typing text to fill in a social networking profile, register to use Canva (online publishing software),</p> <p>MIB Project: TOPIC 4: Graphics & Format Copy & paste using shortcut keys (Ctrl + C, Ctrl + V), practise resize, print screen, wrap text, insert shapes</p>	<ul style="list-style-type: none"> • Designing a presentation – set up features. • Researching images on Internet, using keywords. • Copy and paste and graphic formatting skills. • Developing presentation and additional tools and features. <p>Topic 2: E-Safety</p> <ul style="list-style-type: none"> • Drag and drop smart board activity. • Email attachment - drag and drop activity for reinforcement. • Email – attach work from last lesson. • Computing “unplugged” (practical option to use personal information examples and “phishing” rods). • Email hyperlink clicking (beware of clicking links from unknown sources) • Using online software to create avatar. • Email message – 3 types of personal information • Email message – 3 types of personal information 	<ul style="list-style-type: none"> • Designing a presentation – set up features. • Researching images on Internet, using keywords. • Copy and paste and graphic formatting skills. • Developing presentation and additional tools and features. <p>Topic 2: E-Safety</p> <ul style="list-style-type: none"> • Drag and drop smart board activity. • Email attachment - drag and drop activity for reinforcement. • Drag and drop smart board activity. • Email – attach work from last lesson. • Computing “unplugged” (practical option to use personal information examples and “phishing” rods). • Email hyperlink clicking (beware of clicking links from unknown sources). • Using online software to create avatar. • Email message – 3 types of personal information • Email message – 3 types of personal information • Photo manipulation using shape tools in PowerPoint. • Typing comments on profile, to provide advice about responding to sexting request. • Online search challenge: Can you find the Childline website? ThinkUKnow website? Can you find the CEOP website? Can you find the reporting button? • Email use – fake amazon message received. • Investigating validity of resource electronically. • Google Earth Pro navigation tools. • Clicking hyperlinks. • Internet searches (using a search engine). • Different ways to make a transparent background for a graphic. • Use of arrange feature. • Internet searches (using a search engine).
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			<ul style="list-style-type: none"> • Photo manipulation using shape tools in PowerPoint. • Email use – fake amazon message received. • Investigating validity of resource electronically. • Google Earth Pro navigation tools. • Clicking hyperlinks. • Internet searches (using a search engine). • Different ways to make a transparent background for a graphic. • Use of arrange feature. • Internet searches (using a search engine). • Different ways to make a transparent background for a graphic. • Use of arrange feature. • Process of Radicalisation – electronic drag and drop activity. • Practise typing (or writing keywords). • Email attachment. • Electronic sorting activity. • <i>Extended: type an email Mr. Mansell or Ms. Williams to say what you have learnt about</i> 	<ul style="list-style-type: none"> • Different ways to make a transparent background for a graphic. • Use of arrange feature. • Process of Radicalisation – electronic drag and drop activity. • Practise typing (or writing keywords). • Email attachment. • Electronic sorting activity. • <i>Extended: type an email Mr. Mansell or Ms. Williams to say what you have learnt about radicalisation and cyber-terrorism. What is the most important thing you learnt?</i> • <i>Extended Email etiquette – type email message. Use copy and paste. Develop with paragraph spacing, spell check and punctuation.</i>
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			<p><i>radicalisation and cyber-terrorism. What is the most important thing you learnt?</i></p>	
<p>Vocabulary</p>	<p>TOPIC 3: Identity & E-safety Web Outlook Copy Paste E-fit Search engine Safer stranger World Wide Web E-Safety Risks Personal information Private Viruses Shape tools Brush tools</p>	<p>MIB Project: TOPIC 3: E-safety E-Safety Internet Cyberbullying Block Report Privacy settings Proof-read Verify Electronic Digital devices Abuser Grooming Private parts Child abuse Stranger danger Vlogging Streaming Online Good attention Bad attention Social networking Social media Profile Users Brands Comments</p>	<p>Impact Project: Topic 1: Data security Montage CCTV Alarm Keypad lock Computer padlock cable Biometric</p> <p>Topic 2: E-Safety E-Safety Community DSL CEOP Cookies Digital Footprint Social networking Hyperlink Avatar Profile Private/privacy settings Identity theft Phishing Website Validity Valid = trust Fake news Edit</p>	<p>Impact Project: Topic 1: Data security Montage CCTV Alarm Keypad lock Computer padlock cable Biometric</p> <p>Topic 2: E-Safety E-Safety Community DSL CEOP Cookies Digital Footprint Social networking Hyperlink Profile Private/privacy settings Identity theft Selfie Edit Sexting Fake Trickery "Photoshopped" Fake</p>

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		<p>Risks Canva Online program</p> <p>MIB Project: TOPIC 4: Graphics & Formatting</p> <p>Resize Print screen Wrap text Insert shapes</p>	<p>Image Graphic Authentic Disinformation Misinformation Clickbait SMSC – Beliefs, ideas, religions Terrorists Terrorism Radicalisation Email etiquette Netiquette</p>	<p>Trickery “Photoshopped” Explicit Consequences Abuser (paedophile/predator) Phishing Website Validity Valid = trust Fake news Edit Image Graphic Authentic Disinformation Misinformation Clickbait SMSC – Beliefs, ideas, religions Terrorists Terrorism Radicalisation Email etiquette Netiquette</p>
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Summer Term	KS2	Year 7	Year 8	Year 9	
Knowledge	<p>TOPIC 4: Tudors Tudor monarchs, understanding data and information.</p> <p><i>N.B. This topic may be subject to change. This</i></p>	<p>MIB Project: TOPIC 5: Cool Coding</p> <p>Setting up and using Minecraft: Education Edition</p>	<ul style="list-style-type: none"> Netiquette (2 lessons) <p>Topic 3: Technology</p> <ul style="list-style-type: none"> Hardware (3 - 4 lessons) Remember what a computer system is. 	<p>9Y Topic 3: Technology</p> <ul style="list-style-type: none"> Hardware (3 - 4 lessons) Remember what a computer system is. 	<p>9X Topic 3: Music Festival</p> <ul style="list-style-type: none"> Understanding the project brief Knowledge of different types of software/programs Awareness of audience and purpose

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	<p>depends on the following circumstances:</p> <ol style="list-style-type: none"> 1. KS2 learning in other subject areas. 2. Integration of new learning, including potential of visual block coding via Discovery Education resource. 3. Time allocated for development of new and accessible curriculum resources. 		<ul style="list-style-type: none"> • Be able to name hardware that is connected to the computer makes a computer system. • Learn how hardware connects to a computer to make a computer system. • To develop skills to use graphics in our work. • To remember what a 'peripheral' is. • <i>Extended: Input Devices W/S - link devices to their data type.</i> • To learn what Input means and be able to name different input peripherals. • <i>Extended: Output peripherals – unscramble anagrams of output devices.</i> • Learn to identify a range of digital devices and practise their signs. • <i>Extended: Remember how to use the ACE Dictionary to help us spell words correctly.</i> • <i>Name the input and output peripherals.</i> • Microprocessors (1 lesson) • Learn what a processor is and where a processor is found. 	<ul style="list-style-type: none"> • Be able to name hardware that is connected to the computer makes a computer system. • Learn how hardware connects to a computer to make a computer system. • To develop skills to use graphics in our work. • To remember what a 'peripheral' is. • To learn what Input means and be able to name different input peripherals. • Learn to identify a range of digital devices and practise their signs. • Microprocessors (1 lesson) • Learn what a processor is and where a processor is found. • Learn where microprocessors help in the home. • Learn about smart homes and new concepts in technology. 	<ul style="list-style-type: none"> • Legislation and key laws relevant to ICT <hr/> <ul style="list-style-type: none"> • Introduction to Project • Organising project folder • Providing written evidence: Activity 1 Planning Stage 1, answering and developing questions, identifying which programs to use to create digital products • Providing written evidence: Activity 1 Planning, Stage 2, continue to identify which programs to use to create digital products • Providing written evidence: Activity 1 Planning, Stage 3 on copyright, computer misuse act and data protection act <p>Tracking sources in a sources table as an ongoing process, gathering information on assets relating to music festivals.</p> <p>Planning stage of Project</p> <ul style="list-style-type: none"> • Researching and browsing ideas for Music Festival (Survey), creating charts using excel to show results and selecting an appropriate music festival name • Providing written evidence: Activity 1 review on the Logo.
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			<ul style="list-style-type: none"> • <i>Extended: Where is the processor? Shape Coding™ activity.</i> • Learn where microprocessors help in the home. • Learn about smart homes and new concepts in technology. • <i>Extended: reading task. Summary of how microprocessors are used at home and in society.</i> • Technology changing society (3 lessons) • Learn about changes to ICT in the home. • <i>Extended: Digital TV; TV's verses PC's; Music & movies; Smart homes of the future.</i> • <i>Extended: Scrapyard gaming challenge – find all the digital devices (i.e. microprocessor inside).</i> • Learn about how • microprocessors have changed the way we live in society. <i>Extended: everyday computing recap quiz.</i> • Employment and the workplace, Leisure and entertainment, Travel, Shopping, Banking, and the environment. 	<ul style="list-style-type: none"> • Technology changing society (3 lessons) • Learn about changes to ICT in the home. • <i>Extended: Load PowerPoint.</i> • <i>Copy and paste graphic to your presentation.</i> • <i>Find all the digital devices that have a processor inside.</i> • <i>Label the digital devices with callouts.</i> • • • Learn about how microprocessors have changed the way we live in society. Employment and the workplace, Leisure and entertainment, Travel, Shopping, Banking, and the environment. • 	<p>Logo: using Serif Draw Plus to create a logo for music festival</p>
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			<ul style="list-style-type: none"> • <i>Extended: Technology – good or bad? (2 lessons, if time permits).</i> • <i>Analyse and evaluate the impact of ICT on society – is it good or bad (way up the arguments).</i> 		
Skills	<p>TOPIC 4: Tudors Search the internet for meanings of words, use the define command, open and save attachments, copy & paste, design a shield, watch video clips, learn through interactive gaming media, use hyperlinks and video clips to find information.</p>	<p>MIB Project: TOPIC 5: Cool Coding Completing coding challenges, using repeat loops, use a function in coding, use an IF command in coding, using forever do repeat loops in coding. <i>EXTENDED: events in coding.</i></p> <p>Visual programming – coding in a “3D” landscape, programme action buttons and graphic shapes to control navigation in PowerPoint, develop block coding skills, develop JavaScript programming skills.</p>	<p>Topic 3: Technology</p> <ul style="list-style-type: none"> • Email to access attachment. • Create New Folder named Hardware. • Drag and drop activity in PowerPoint. • Reinforce Word Graphic skills while learning key vocabulary. • Use drawing tab tools in PowerPoint. • Research output devices online. • Use MS Word worksheet to enter text and graphic information. • Investigating the inside of a computer, working as part of a team, with a partner/small group. • Investigating the inside of a computer, working as part of a team, with a partner/small group. • Audio visual resources 	<p>9Y Topic 3: Technology</p> <ul style="list-style-type: none"> • Email to access attachment. • Create New Folder named Hardware. • Drag and drop activity in PowerPoint. • Reinforce Word Graphic skills while learning key vocabulary. • Use drawing tab tools in PowerPoint. • Research output devices online. • Use MS Word worksheet to enter text and graphic information. • Investigating the inside of a computer, working as part of a team, with a partner/small group. • Investigating the inside of a computer, working as part of a team, with a partner/small group. 	<p>9X Topic 3: Music Festival</p> <ul style="list-style-type: none"> •

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			<ul style="list-style-type: none"> • Labelling activity – microprocessors in society(X) • Match graphics with titles. 	<ul style="list-style-type: none"> • Audio visual resources • Labelling activity – microprocessors in society(X) • Match graphics with titles. 	
Vocabulary	TOPIC 4: Tudors Tudor era Monarch Reign Internet Copy Paste Traditional Graphics Outline Fill Colour Timeline Data/information Audio Slideshow Archive Video clips Relationships Tudor family tree Interactive gaming media hyperlinks	MIB Project: TOPIC 5: Cool Coding Blockly Repeat loops Abstraction Function Until do repeat loops IF statement/command Logical (conditional) Forever do Repeat loops Events Diversity Bias Sequences Iteration Decompose (break down) Sync Algorithm Block Tool box Workspace Game space Instructions	Topic 3: Technology Computer system Connected Wrap Text Copy and Paste Shapes Resize Print Screen Rotate Crop Peripherals Hardware Names of type of hardware Connected Input Output Personal computer Processor (microprocessor) Employment and the workplace, Leisure and entertainment, Travel, If time: Shopping, Banking, Environment Advantages Disadvantages	9Y Topic 3: Technology Computer system Connected Wrap Text Copy and Paste Shapes Resize Print Screen Rotate Crop Peripherals Hardware Names of type of hardware Connected Input Output Personal computer Processor (microprocessor) Employment and the workplace, Leisure and entertainment, Travel, If time: Shopping, Banking, Environment Advantages Disadvantages	9X Topic 3: Music Festival Resources Research Target audience Attractions Time management Storing Editing Formatting Software Copyright Sources Data protection Computer virus Intellectual property Graphics Digital tools Digital features Text Web browser Evidence Assets Transparent.

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Extension Topics		<ul style="list-style-type: none"> • <i>Data & Hardware</i> • <i>Johnny English Code-Breaking mission</i> 	<ul style="list-style-type: none"> • <i>Computer system & Hardware</i> • <i>Storing data.</i> • <i>Digital devices research and charts.</i> 	<ul style="list-style-type: none"> • <i>Computer system & Hardware</i> • <i>Storing data.</i> • <i>Digital devices research and charts.</i> 	<ul style="list-style-type: none"> • <i>How to communicate on the Internet in a positive/good way – Safety and Netiquette.</i> • <i>Improve understanding of email etiquette.</i>