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**Long Term Mapping**

 **KS4 ICT**

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|  | **Cycle 1** | **Cycle 2** |
| **(2022-23)** | **(2023-24)** |
| **Autumn**  | **1** | Online Privacy (online safety) | Understanding Online Safety (online safety) |
| **2** | Acceptable and Unacceptable behaviour online (online safety) | Identifying and Reporting (online safety) |
| **Spring** | **1** | Debugging (algorithms) | Algorithm Project (algorithms) |
| **2** | Basic ICT Skills (computer systems) | Basic ICT Skills (computer systems) |
| **Summer**  | **1** | Photo Editing (creative computing) | ICT for a purpose (creative computing) |
| **2** | Presenting Information (data and information) | Creating Media (creative computing) |

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| **MEDIUM-TERM PLANNING** |
| ***Aspiration for Life*** | To use ICT in my daily life | ***Language for Life*** | Developing key vocabulary | ***Learning for Life*** | Online safety – staying safe online |
| **CYCLE 1** | To develop a wide vocabulary of Computing terminology and develop a greater understanding of the world and jobs within it.  | **Introducing Online Safety** | **Networking** |  |
| **Autumn 1**7 weeks | **Autumn 2**7 weeks | **Spring 1**7 weeks | **Spring 2**7 weeks | **Summer 1**7 weeks | **Summer 2**7 weeks |
| **Online Privacy** | **Acceptable/ unacceptable behaviour online** | **Debugging** | **Basic ICT Skills** | **Photo Editing** | **Presenting Information** |
| How to keep your personal details safe. | To understand how to behave online and how to report anything | To solve digital problems at a functional level | To further develop your knowledge of computer literacy | To discover how to use a camera to take a range of photographs and use photo editing software to enhance an image. To recognise that an image may not be a true reflection. | How to construct and present to others |
| **Suggested Activity** |
| Guess Who?Internet BingoProfilesHangman (passwords)Scenarios board gameMicrosoft forms  | Flow chartsICT MonopolyScenario cardsCEOPChild LineBBC | Bee botsWriting a script (identifying errors)Following instructionsDirectional languageProblem solvingScratchKey word instructions (DLS)Setting up devices | Microsoft office: word, excel, PowerPointBuilding a computerLabelling objects | Spot the differenceFaceGoo AppPixlr.comPhotoshopDropbox/ One Drive/ Cloud Storage – Online safetyPasswordsCamera skillsCameraman as a job  | PowerPointWord processingKeynotePublic speakingMaking notesReadingMaking a video/ voice recordingTED Talk |
| **VOCABULARY** |
| Social Media, Gaming, Chat, Apps, Tablet, Computer, Online Safety, Catfishing | ReportCEOPSwiggle.org.ukTell | ScriptPreventing errorsRepeatCommandInstructCodeBug Sequence  | Hardware: monitor, tower, keyboard, mouseSoftware; word, excel, PowerPoint | App, Edit, Rotate, Crop, Clone Stamp, Filter, Enhance, Storage, Online safety, Sharing, Posting, Cut, Landscape, Portrait, Backdrop, Lighting, Zoom, Lens, Focus | Slides, text, image, video, turn taking, edit, information |
| **IMPLEMENTATION** |
| **Week 1:** How we use the internet**Week 2:** Cloud Storage (Servers)**Week 3:** Strong P@s5w0Rds**Week 4:** Who are you talking to?**Week 5:** Scenarios quiz**Week 6:** Anti-virus software**Week 7:** Microsoft forms | **Week 1:** Rights & wrongs**Week 2:** Who to tell**Week 3 -4:** How to tell**Week 5- 7:** Problem Solving | **Week 1:** Beebots (Instructions)**Week 2:** Writing commands**Week 3-5:** Scratch**Week 6:** Jobs in computing**Week 7:** Effective communication | **Week 1:** Labelling **Week 2:** Building a computer**Week 3:** Using word**Week 4:** Using PowerPoint **Week 5:** Using excel**Week 6:** Assessment – Survey Monkey | **Week 1:** Operating a camera**Week 2:** Photo’s in the environment**Week 3 -4:** Photo editingsoftware**Week 5:** Creating an advert**Week 6:** Safe storage of personal images**Week 7:** Assessment  | **Week 1:** How to present (TED)**Week 2:** Trip to Media City**Week 3-5:** Creating a presentation**Week 6:** To make a presentation**Week 7:** Assessment |
| **INTENT** |

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| **MEDIUM-TERM PLANNING Cycle 3 2021-22** |
| ***Aspiration for Life*** | To use ICT in my daily life | ***Language for Life*** | Developing key vocabulary | ***Learning for Life*** | Online safety – staying safe online |
| **CYCLE 2 2021-22** | To develop a wide vocabulary of Computing terminology and develop a greater understanding of the world and jobs within it.  | **Introducing Online Safety** | **Networking** |  |
| **Autumn 1**7 weeks | **Autumn 2**8 weeks | **Spring 1**6 weeks | **Spring 2**6 weeks | **Summer 1**5 weeks | **Summer 2**7 weeks |
| **Understanding Online Safety** | **Identifying and Reporting**  | **Algorithms** **Programs** | **Basic ICT Skills**  | **ICT for a Purpose**  | **Creative Computing** |
| Students should have a firm understanding of online safety and how to keep safe online.  | Students should be able to identify problems whilst online, and how to report them to the appropriate person (in regards of online safety).  | Students should be able to understanding algorithms as a set of instructions and star to make their own instructions in a format appropriate to them.  | Students should further develop your knowledge of computer literacy | Students should have an understanding of the different ways they can use ICT and why we would use it.  | Students should be able to use ICT to create different projects and understand that ICT can be used in a range of ways.  |
| **SUGGESTED ACTIVITIES/ SOFTWARE** |
| Guess who | Creating ‘profiles’ for social media | BBC Bitesize | scenario board game | Child line | BBC Bitesize | Scenario board game | How to report | Making ‘how to videos’ | How to spot a fraud | Acceptable and unacceptable behaviour | ‘Guess who’ | Bee bots |Writing a script Following instructions Directional languageProblem solvingScratchKey word instructions (DLS)Setting up devicesEdublocks | Microsoft office: word, excel, PowerPointBuilding a computer |Labelling objects | Troubleshoot basic problems such as faulty leads | Using shopping scanners | Using whiteboards | Using MS paint | Designing a computer program to fix a problem  | Using paint tools | Photoshop | taking and editing photos | comparing computer paintings and ‘real’ paintings | Animation making | flip books | Video Maker |
| **VOCABULARY** |
| Social Media | Gaming | Chat | Apps, Tablet | Computer | Online Safety | Catfishing | Keeping Safe Online | Online Stranger Danger  | Social Media | Gaming | Chat | Apps, Tablet | Computer | Online Safety | Catfishing | Keeping Safe Online | Online Stranger Danger | Reporting | Identifying  | algorithms | program | instructions | script | directions | Typing | mouse | word | spreadsheets | excel | PowerPoint | keyboard  | Typing | mouse | word | spreadsheets | excel | PowerPoint | keyboard |Photoshop | creative |  | Photoshop | Editing | creative | tools | Enhancing |
| **IMPLEMENTATION** |
| **Week 1:** Recap: Online privacy **Week 2:** Who are you talking to?**Week 3:** How to use Social Media safely**Week 4:** Image sharing**Week 5:** You can see my images?**Week 6:** Online Bullying**Week 7:** Inappropriate videos/photos, what do you do when we see them? | **Week 1:** Recap: acceptable and unacceptable behaviour**Week 2:** How to identify unacceptable behaviour**Week 3:** How to report unacceptable behaviour**Week 4–5:**  Scenarios**Week 6-7:** Creating ‘how to report on’ videos | **Week 1:** Recap: What is an algorithm?**Week 2:** Writing instructions**Week 3-5:** Using beebots/scratch to write simple algorithms**Week 4-5:** Creating a basic program, for a purpose**Week 6:**  | **Week 1:** Recap: typing and mouse skills**Week 2:** How to type effectively**Week 3:** Using word **Week 4:** Using excel**Week 5:** Using PowerPoints**Week 6:** Using publisher | **Week 1:** What is ICT?**Week 2:** Finding ICT at home**Week 3:** Finding ICT in school**Week 4:** Using ICT for a purpose eg: for learning **Week 5:** Does ICT make everything better?**Week 6:** ICT around the world.  | **Week 1:** Taking photos**Week 2:** Editing photos**Week 3-5:** Planning a video**Week 6:** Shooting the video**Week 7:** Editing the video  |
| **INTENT** |