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**Long Term Mapping**

**KS3 ICT**

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|  | | **Cycle 1** | **Cycle 2** | **Cycle 3** |
| **(2022-2023)** | **(2023-2024)** | **(2021-2022)** |
| **Autumn** | **1** | Introducing Online Safety | Online Safety | Online Safety |
| **2** | Reporting Concerns | Acceptable and Unacceptable behaviour online | Online Privacy |
| **Spring** | **1** | Networking | Algorithms | Input/ Output |
| **2** | Using a range of devices | Algorithms | Programming |
| **Summer** | **1** | Creating Project | Collecting Data | Photo editing |
| **2** | Video Editing | Presenting Information | Creative Project |

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| **MEDIUM-TERM PLANNING Cycle 2** | | | | | | | | | | | | | | | | |
| ***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 2022-23** | To develop a wide vocabulary of Computing terminology and develop a greater understanding of the world and jobs within it. |  | | | | | | | | | | | | | | | |
| **Autumn 1**  7 weeks | | | | **Autumn 2**  8 weeks | | **Spring 1**  6 weeks | | **Spring 2**  6 weeks | | **Summer 1**  5 weeks | | **Summer 2**  7 weeks | | | |
| **Online Safety** | | | | **Reporting Concerns** | | **Networking** | | **Using a range of devices** | | **Creative Project** | | **Video Editing** | | | |
| To develop an understanding of Online Safety and how to stay safe online. | | | | To develop an understanding of Online Safety and how to stay safe online. | | To develop an understanding of what Networking is, and how computers share information. | | To develop their understanding of how different devices work and why you would choose one device over another for a given task. | | To develop their understanding of creative media and how to create a project. | | To develop their understanding of creative media and how to edit videos together. | | | |
| **Suggested ideas** | | | | | | | | | | | | | | | |
| Guess Who? | Internet Bingo | Profiles | Hangman (passwords) | Survey Monkey | http v https | CEOP | | | SMART | Reporting | Seriono quiz | Quizzes | CEOP | Acceptable/Unacceptable behaviour | | | Looking at computer Networks | LAN Party | Sharing ‘data’ | Sending data from one place to another | Making Network maps | | iPads | Cameras | tukcams | GoPros | IWB | Lighting rigs | Sound booths | | Creating mini movies | Creating adverts | Taking photos and videos | Writing scripts | | | iMovies | Photography | Calendars | Sound recording | Photo editing | cutting together story boards | Sequencing strips | | |
| **Vocabulary** | | | | | | | | | | | | | | | |
| http | https | passwords | Binary |Privacy |Settings | User | Admin | Owner | Account | | SMART | Reporting | Flagging | Block | Filter | Firewall | | | | Network | WWW | USB | Lan | Interconnection | data | sharing | | | Device | input and output | suitable | purpose | any device name | | Creative | Project | Time management | Developing | camera | Lighting/ lights | | | | | Sound | Lighting |Script | internet| Directing | Editing |Camera | |
| **IMPLEMENTATION** | | | | | | | | | | | | | | | |
| **Week 1 - 2:** How we use the internet  **Week 3:** Profiles  **Week 4:** Social Media  **Week 5:** Scenarios quiz  **Week 6:** Creating passwords  **Week 7:** Assessment- Survey Monkey | | | | **Week 1:** SMART  **Week 2:** Why would we block someone?  **Week 3:** How do we block someone?  **Week 4:** What happens if someone blocks us?  **Week 5/6:** Role play/Scenarios quiz  **Week 7:** Assessment- Survey Monkey | | **Week 1:** What is a Network?  **Week 2:** Key features of a network  **Week 3:** Why do we use them?  **Week 4**: How can use them?  **Week 5/6:** Using a range of Networks | | **Week 1:** What is a device and why would we use them?  **Week 2:** Finding a device for a purpose  **Week 3-5:** Using a range of different devices.  **Week 6:** | | **Week 1:** Exploring existing examples of your creative project  **Week 2:** Storyboarding  **Week 3:** Script writing/timetabling  **Week 4 – 6:** Creating the raw footage / photos that they will need  **Week 7:** Assessment | | **Week 1:** Recap: What they did last term and checking over footage/materials  **Week 2:** Learning how to use a simple video editing software  **Week 3-5:** editing their piece of work  **Week 6:** Presenting their pieces of work | | | |
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| **MEDIUM-TERM PLANNING** | | | | | | | | | | | | | | | | | |
| ***Aspiration for Life*** | | | Jobs in ICT | | | | ***Language for Life*** | | Developing key vocabulary | | ***Learning for Life*** | | Online safety – reporting abuse | | | | |
| **CYCLE 2** | To develop a wide vocabulary of Computing terminology and develop a greater understanding of the world and jobs within it. |  | | | | | |  | | | |  | | | | | | |
| **Autumn 1**  7 weeks | | | | **Autumn 2**  8 weeks | | **Spring 1**  6 weeks | | **Spring 2**  6 weeks | | **Summer 1**  5 weeks | | **Summer 2**  7 weeks | | | | |
| **Online Safety** | | | | **Acceptable and Unacceptable behaviour** | | **Algorithms** | | | | **Collecting data** | | **Presenting information** | | | | |
| To develop an understanding of Online Safety and how to stay safe online. | | | | To know where to and how to report unacceptable behaviour online. | | To understand that an algorithm is a set of instructions to complete a task. | | | | To understand how data is collected and what it is used for. | | | To learn the different ways we can present information on a computer. | | | |
| **SUGGESTED ACTIVITIES/ SOFTWARE** | | | | | | | | | | | | | | | | |
| Guess Who? | Internet Bingo | Profiles |Hangman (passwords) |Survey Monkey | | | Flow charts | ICT Monopoly |Scenario cards | CEOP | Child Line |BBC |Survey Monkey | | | <https://www.bbc.co.uk/bitesize/topics/z3tbwmn/articles/z3whpv4> |Flow Charts |Ordering / sequencing |Key Word Levels 1, 2, 3, 4 | Espresso Coding | Scratch |Bee bot / Bee bot App |Makey Makey | | | | Search engines | Scenario cards | CEOP | Flow charts | | | | Microsoft Word | PowerPoint | Excel | Website | Publisher | | |
| **VOCABULARY** | | | | | | | | | | | | | | | | |
| Social Media | Gaming | Chat | Apps | Tablet | Computer | Online Safety | Catfishing | | Report | CEOP |Tell | SMART | | | | Input / Output | Algorithms | Instructions | Ordering | debugging | Flow Chart | | | | Digital Information | Search engine | Binary | Privacy | Storage | | | | | Charts | Documents | Presentation | Slides | Information | Leaflet | Text | Image | Audio | |
| **IMPLEMENTATION** | | | | | | | | | | | | | | | | |
| **Week 1 - 2:** How we use the internet  **Week 3:** Profiles  **Week 4:** Who are you talking to?  **Week 5:** Scenarios quiz  **Week 6:** Creating passwords  **Week 7:** Assessment- Survey Monkey | | | | **Week 1:** Right and wrong  **Week 2:** What can you do?  **Week 3 -4:** Scenarios  **Week 5- 7:** How to report  **Week 8:** Assessment- Survey Monkey | | **Week 1:** What is an algorithm?  **Week 2:** Input / Output  **Week 3 - 5:** Following algorithms (Keyword Levels)  **Week 6:** Assessment – Survey Monkey | | **Week 1 - 2:** Creating flow charts  **Week 3:** Sequencing  **Week 4 -5: W**riting Algorithms (Scratch)  **Week 6:** Assessment – Survey Monkey | | **Week 1-2 :** What is data?  **Week 3:** How can we collect data  Week 4 – How can we store data?  **Week 5:** Assessment – Survey Monkey | | **Week 1:** Why do we want to present information - scenarios  **Week 2:** Make a word document  **Week 3:** Make a leaflet on Publisher  **Week 4:** Collecting data and making a chart on Excel  **Week 5:** Create a PowerPoint on a subject**.**  **Week 6:** Presentation / sharing of what has been made.  **Week 7:** Assessment – Survey Monkey | | | | |
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| **MEDIUM-TERM PLANNING Cycle 2** | | | | | | | | | | | | | | | | |
| ***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 3 2021-22** | To develop a wide vocabulary of Computing terminology and develop a greater understanding of the world and jobs within it. |  | | | | | |  | | | |  | | | | | |
| **Autumn 1**  7 weeks | | | | **Autumn 2**  8 weeks | | **Spring 1**  6 weeks | | **Spring 2**  6 weeks | | **Summer 1**  5 weeks | | **Summer 2**  7 weeks | | | |
| **Online Safety** | | | | **Online Privacy** | | **Input/ Output** | | **Programming** | | **Photo Editing** | | **Creative Project** | | | |
| To develop an understanding of Online Safety and how to stay safe online. | | | | How to keep your personal details safe? | | To identify and understand what input/ output system/ devices are and how to use them. | | To learn how to control/ use devices | | To use a camera to take a range of photographs and use photo editing software to enhance an image. | | To operate a range of devices both for work and leisure.  To generate a piece of work of their choice. | | | |
| **Suggested ideas** | | | | | | | | | | | | | | | |
| Guess Who? | Internet Bingo | Profiles | Hangman (passwords) | Survey Monkey | http v https | CEOP | | | Guess Who? | Internet Bingo | Profiles | Hangman (passwords) | Scenarios board game | Encryption  Cracking codes | | | Switches | Big Macs | Consoles | Operating systems (iOS/ Android) | Touch screen | Cause and effect | | Bee bots | Writing a script | Following instructions | Directional language | Scratch | Replit | Python | Key word instructions (DLS) | Setting up devices | | Spot the difference | FaceGoo App | Pixlr.com | Photoshop | Dropbox/ One Drive/ Cloud Storage – Online safety | Passwords | Camera skills | | | iMovies | Photography | Calandars | Sound recording | | |
| **Vocabulary** | | | | | | | | | | | | | | | |
| http and https | passwords | Binary | Privacy | Settings | User | Admin | Owner | Account | | Social Media | Gaming | Chat | Apps | Tablet | Computer | Online Safety | Catfishing | | | | Input | Output | Device | Operating system | Interaction | Feedback | Keyboard | Mouse | Monitor | | Code | Line | Binary | Instruction| Execute | Run | Integers (whole number) | | App | Edit | Rotate | Crop | Clone Stamp | Filter | Enhance | Storage | Online safety | Sharing | Posting | Cut | Landscape | Portrait | Backdrop | Lighting | Zoom | Lens | Focus | | | | Sound | Lighting | Script | Internet | Directing | Editing | Camera | |
| **IMPLEMENTATION** | | | | | | | | | | | | | | | |
| **Week 1 - 2:** How we use the internet  **Week 3:** Profiles  **Week 4:** Social Media  **Week 5:** Scenarios quiz  **Week 6:** Creating passwords  **Week 7:** Assessment- Survey Monkey | | | | **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:** Assessment- Survey Monkey | | **Week 1:** What is an input device?  **Week 2:** What is an output device?  **Week 3-5:** Using devices  **Week 6:** Assessment | | **Week 1:** Following instructions (Flow charts)  **Week 2:** Writing instructions (Making flow charts)  **Week 3-5:** Writing code (Scratch/ Replit/ Python)  **Week 6:** Assessment | | **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:** Making a video  **Week 2:** Trip to Media City  **Week 3-5:** Creating a Media Project  **Week 6:** Presentation/ Screening  **Week 7:** Assessment – Survey Monkey | | | |
| **INTENT** |