****

**Long Term Mapping**

 **KS3 ICT**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **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 |

|  |
| --- |
| **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 |
| **INTENT** |

|  |
| --- |
| **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 dataWeek 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 |
| **INTENT** |

|  |
| --- |
| **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 | EncryptionCracking 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** |