****

**Long Term Mapping**

**KS4 ICT**

|  |  |  |  |
| --- | --- | --- | --- |
|  | | **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) |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 Bingo  Profiles  Hangman (passwords)  Scenarios board game  Microsoft forms | | | Flow charts  ICT Monopoly  Scenario cards  CEOP  Child Line  BBC | | | Bee bots  Writing a script (identifying errors)  Following instructions  Directional language  Problem solving  Scratch  Key word instructions (DLS)  Setting up devices | | Microsoft office: word, excel, PowerPoint  Building a computer  Labelling objects | | Spot the difference  FaceGoo App  Pixlr.com  Photoshop  Dropbox/ One Drive/ Cloud Storage – Online safety  Passwords  Camera skills  Cameraman as a job | | PowerPoint  Word processing  Keynote  Public speaking  Making notes  Reading  Making a video/ voice recording  TED Talk | |
| **VOCABULARY** | | | | | | | | | | | | | |
| Social Media, Gaming, Chat, Apps, Tablet, Computer, Online Safety, Catfishing | | Report  CEOP  Swiggle.org.uk  Tell | | | | Script  Preventing errors  Repeat  Command  Instruct  Code  Bug  Sequence | | Hardware: monitor, tower, keyboard, mouse  Software; 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** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 language  Problem solving  Scratch  Key word instructions (DLS)  Setting up devices  Edublocks | | Microsoft office: word, excel, PowerPoint  Building 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** |