**Boughton-under-Blean and Dunkirk MPS Computing Curriculum Overview 2024**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Term 1** | **Term 2** | **Term 3** | **Term 4** | **Term 5** | **Term 6** |
| **Year 1** | **We are TV Chefs**  **1.2**  **iPads iMovie**  Technology around us- (school/home and work place) Day in your life technology we meet. | Typing skills **2Type**  **upper and lower case**  **space bar**  **return key**  **shift key for capital letter**  **printing using Print icon** | **Digital Painting**  **2 Paint a Picture**  **Paint Projects Purple Mash** | **Robots**  **Beebots**  **Beebot App**  **Daisy The Dinosaur APP**  [What is code?](http://www.bbc.co.uk/guides/zykx6sg) | **Digital Storytellers**  **Photostory 3** (Poem, how plants grow)  **Powerpoint**  **2Create a Story**  **Creating Ebooks** | **Animation Programming**  Scratch junior/basic code |
| **Year 2** | **We are photographers 2.3**  **Pic Collage App**  **Photo Simple**  **Editing in Photostory 3** | **Typing skills**  **changing font and style**  **changing font colour**  **printing using print icon**  **adding simple pictures with support.**  **Letter to Father Christmas?** | **We are Zoologists 2.6**  [**Sorting Games**](http://primary.naace.co.uk/activities/sorting_games/Animals/resources/framesp.htm)  **Purple Mash**  **2 Count (IVT)**  Take own photos download and produce graphs.  **2 Graph** based on survey  Simple Graph in | **We are Researchers 2.4**  **2Connect to note take and present**  **Microsoft word skills and poster on Leeds Castle.**  **Different size of storage (Mb.GB etc)**  **Creating folders to organise information.** | **We are Astronauts 2.1**  [**What is an Algorithm?**](http://www.bbc.co.uk/guides/z3whpv4)  [**What is a bug?**](http://www.bbc.co.uk/guides/ztgjq6f)  **Scratch Junior App**  **2 Code Chimp** (First few) | **We are Game Testers 2.2**  **Create a 3D Maze Game-Purple Mash**  **Scratch Tell a joke (basic movements)** |
| **Year 3** | **We are communicators 3.5**  Email DB Primary  How email works  **Word processing- poster to attach to e-mail. Links to Romans.**  **Adding text boxes and arrows. Adding a title. Adding an image.** | [**Touch typing**](https://www.bbc.com/bitesize/articles/z3c6tfr)  **(3 weeks)**  **Word processing-selecting text and changing font style, size and colour.**  **Use bold and underline icons.** | **We are Opinion Pollstars 3.6**  Look at surveys in the real world. What kind of questions?  Create a survey using DB Primary  Look at a range of graphs.  Use survey results to create graphs.  Purple Mash and Google Sheets/Forms | **We are Programmers 3.1**  **Scratch**  **2Code- Chimp level** | **Animation stop Frame Animation**  **ZU3D** | **Programming**  **Micro:bit**  [**First lessons and introduction to Micro:bit**](https://microbit.org/teach/lessons/first-lessons-with-makecode-and-the-microbit/) |
| **Year 4** | **We are musicians 4.3**  **2 Simple Music Toolkit**  **Garage Band App**  **Jelly Band App**  **Isle of Tune** | **Repeating patterns**  [**Frozen Hour of code**](https://studio.code.org/s/frozen/stage/1/puzzle/1)  **Scratch**  **Repeating patterns in 2 Paint a Picture.**  **Refer to 5.3 we are artists for ideas.** | **Controlling and Simulating**  **BBC Micro:bit**  **Games Projects**  [**Touch typing**](https://www.typingclub.com/) **(other children)** | **Hyperlinks**  [**Welcome to the Web**](http://www.w2tw.uk/) | **We are meteorologists 4.6**  **Google Sheets *(link to geography topic on local area)***  Link to statistics work in maths. | **We are co-authors 4.5**  **Wikis**  **DB Primary**  **Controlling and Simulating**  **Micro:bit**  **Radio games** |
| **Year 5** | **We are Bloggers 5.5**  **DB Primary**  **(3 weeks)**  **E-mail as collaboration tool, sending pictures as attachments, sending e-mails to more than one person, forwarding to other people.** | [**How search engines work**](https://www.youtube.com/watch?v=BNHR6IQJGZs)  [**Bing it on**](http://www.bingiton.com/)  **PowerPoint**  Control and Simulating  [Combination lock](https://www.youtube.com/watch?v=DRd0jjiSXGM&list=PLMMBk9hE-SepocOwueEtTDyOPI_TBE9yC)  Alarms | **We are Game developers 5.1.**  **2 DIY Purple Mash**  **Scratch/Kodu** | **We are Architects 5.6**  Ikea/homebase  Google Sketchup  [Plan your room](http://www.planyourroom.com/)  [Minecraft hour of code](https://studio.code.org/s/mc/stage/1/puzzle/1)  5d Planner | **Spreadsheets**  [**Junior Computer Science**](http://code-it.co.uk/dlplanning/spreadsheet/spreadsheet)  Google Sheets | [How networks and search works.](https://www.barefootcomputing.org/resources/network-hunt-activity)  [Technician talk](https://www.barefootcomputing.org/resources/network-hunt-activity)  [Adapt 3.4 we are network engineers.](https://www.barefootcomputing.org/resources/network-hunt-activity)  Programming  [Musical Micro:bit](https://microbit.org/teach/lessons/musical-microbit-unit-overview/) |
| **Year 6** | **2 Code-** Gibbon level  [Star Wars Java](https://studio.code.org/s/starwars/stage/1/puzzle/1) | Reality of the WWW  Plagiarism  Copyright  Bias  Validity  [**All About Explorers**](http://allaboutexplorers.com/) **,** [**Tree Octopus**](http://zapatopi.net/treeoctopus/)**,** [**Dog island**](http://www.thedogisland.com/)**,** [**AlleyK@tz**](http://www.bbc.co.uk/education/topics/zcpp34j/resources/1)  [**Flying Penguins**](https://www.youtube.com/watch?v=9dfWzp7rYR4) | We are Animators  **ZU3D** | **We are musicians**  **Garage Band** | Programming and Coding  Micro:bit  [Data Handling Project](https://microbit.org/teach/lessons/data-handling-unit-summary/) | Multimedia  Tour of the School  Memories of BUB  PowerPoint/MovieMaker/  Photostory/Audacity  ZU3D IPAD apps etc |

DL

**Online Safeguarding**

**Cyber bullying  
Grooming**

**Plagiarism**

**Copyright**

**Digital footprint**

**Keeping personal info Safe**

**Netiquette**

**Passwords**

**Recognise different uses of technology**

**Safe Searching**

**Refining searching**

**Age restrictions to protect us**

**Websites can contain fact, opinion and bias**

**Validity of websites**

**Misuse of WWW (viruses, scams etc)**

**Problems with apps (additional costs, adverts etc)**

**IT**

**Typing skills**

**Create folders to organise files**

**Understand how information is stored in different files and in different places**

**Basic skills (editing text, printing and saving)**

**Desktop Publishing (Word, posters etc)**

**Multimedia (adding sounds, images, hyperlinks etc)**

**Editing video, images and sound**

**Animation**

**3D Modelling (Google Sketch up, designing a Kitchen online)**

**Green Screening (Optional)**

**Spreadsheets**

**Databases**

**Branching Databases**

**Creating Graphs**

**Data logging**