**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 surveySimple 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 PrimaryHow 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 PrimaryLook 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/homebaseGoogle 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 WWWPlagiarismCopyrightBiasValidity[**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 CodingMicro:bit [Data Handling Project](https://microbit.org/teach/lessons/data-handling-unit-summary/) | MultimediaTour of the SchoolMemories of BUBPowerPoint/MovieMaker/Photostory/AudacityZU3D 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**