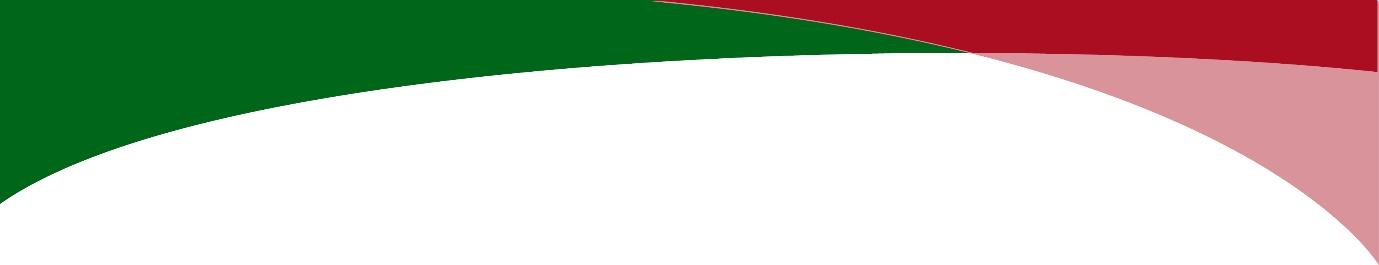
**Computing Curriculum Overview 2020-2021**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year Group** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2/ Summer 1** | **Summer 2** |
| **EYFS** |  |  | ICT - imported pictures of their faces and they had to design a mask over their face.  Investigating ice, water, magnets.  Exploring electric circuits.  Investigating pushes and pulls.  Using Beebots to help get the superheroes to their castle/lair.  Internet safety.  Create superhero stories. Use iPad to record Superhero stories.  Using the internet to find out more about superheroes. | | |
| **1** | **Text and Multimedia**  Children will be using the internet to find pictures of London landmarks, copying and pasting to a word document and adding a caption.  DI 1, R 1 | **Purple Mash Unit 1.1 – Online Safety**  Children log in safetly, create an avatar, save work into a folder, finding work safetly, searching PM safetly.  R&ES 1,2, UT 1. | **Purple Mash Unit 1.2 – Pictograms**  Children will understand, contribute to and evaluate pictograms, simple graphical awareness.  HI 1  **Electronic Communication –**  **Emails**  Children to email ‘Rex’ using 2Email programme | **Purple Mash Unit 1.6 – Animated Story Books**  Children will be using 2 Create a Story to create a digital story book with animations, text and sound.  TM 1, S&M 1,2 | **Purple Mash Unit 1.7 – Coding**  Children will be using 2Code to create a simple program, adding backgrounds and characters, making characters move and using collision detection.  C1, M&S 1 |
| **2** | We are Zoologists  D H H H  Use technology purposefully to create, organise,  store, manipulate and retrieve digital content. (Text and Multimedia)  Recognise common uses of information  technology beyond school. (understanding Technology)  Use technology safely and respectfully, keeping  personal information private; identify where to go  for help and support when they have concerns  about content or contact on the internet or other technologies (Research and E-Safety) | **Unit 2.6**  **TM TM**  **Creating Pictures**  **5 weeks**  **Programs** – 2Paint A Picture  Writing Templates  5 weeks  **SM**  **Unit 2.7**  **Making Music**  **2 weeks**  **Programs** – 2Sequenc e | **SM SM**  **Unit 2.7**  **Making Music**  **1 Week**  **Programs** – 2Sequence  **Unit 2.5**  **R & E**  **UT**  **Effective Searching**  **3 Weeks**  **Programs** – Browser  2Quiz Writing Templates  **Unit 2.2**  **Online Safety**  **2 Weeks**  **UT EC**  **Programs** - Writing Templates  Display boards  2Respond (2Email) | **Unit 2.1**  **C**  **Coding**  **5 Weeks**  **Main Programs – 2 Code**  **Unit 2.3**  **Spreadsheets**  **2 Weeks**  **Programs** – 2Calculate | **Unit 2.3**  **H**  **Spreadsheets**  **2 Weeks**  **Programs** – 2Calculate  **Unit 2.4 HI**  **Questioning**  **3 Weeks**  **Programs** – 2Question, 2Investigate 2Calculate |
| **3** | UT C UT EC  Coding  Email  Internet Research | UT, T&M, D  Email  Online Safety  Image Manipulation | UT M&S , T&M  Spreadsheets  Branching  Internet Research | UT, M&S , T&M  Stimulations  Internet Research | UT, M&S , T&M  Graphing  Internet Research |
| **4** | RES  E-safety- awareness | DI  Virtual Reality city tour | HI  Blogging  Digital mapping – Edumap / OS Mapping | CA  Logo based- problem solving activities  Algorithms/beebots | HI  Digital mapping – Edumap / OS Mapping |
| **5** | Coding -Ancient Egyptian game  E-Safety- posters  Research – ancient Egypt | Animation / Photo Story - The Solar System  Create PPT - with hyperlinks - about the solar system  Create multiple track compositions that contain a variety of sounds – Audacity space tracks | Blogging, data handling, spreadsheets, online safety | Control – algorithms to create art (Islamic Art)  This is India – Photo Story / Movie Maker | Coding -Ancient Egyptian game  E-Safety- posters  Research – ancient Egypt |
| **6** | ReS, EC,MT,DI  ESafety  Presentation/  PowerPoints/publisher  Presentation | EC, ReS, Ca, MS  social media, networks, research, adventure gaming | EC, ReS  TM, DI, UT, SM, UTit, UTn UTi  Digital presentation, research, marketing | EC, ReS  DL, MS  Data logging, trends, identify issues. Podcast | EC, ReS  HI, DI., SM  Collecting, handing, presenting data |