**Computing Curriculum Overview 2020-2021**

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| **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 HUse technology purposefully to create, organise,store, manipulate and retrieve digital content. (Text and Multimedia)Recognise common uses of informationtechnology beyond school. (understanding Technology)Use technology safely and respectfully, keepingpersonal information private; identify where to gofor help and support when they have concernsabout 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 CodingEmailInternet Research | UT, T&M, DEmail Online SafetyImage Manipulation | UT M&S , T&M SpreadsheetsBranchingInternet Research | UT, M&S , T&M StimulationsInternet Research | UT, M&S , T&M GraphingInternet Research |
| **4** | RESE-safety- awareness | DIVirtual Reality city tour | HIBloggingDigital mapping – Edumap / OS Mapping | CALogo based- problem solving activitiesAlgorithms/beebots | HIDigital mapping – Edumap / OS Mapping |
| **5** | Coding -Ancient Egyptian gameE-Safety- postersResearch – ancient Egypt | Animation / Photo Story - The Solar SystemCreate PPT - with hyperlinks - about the solar systemCreate 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 gameE-Safety- postersResearch – ancient Egypt |
| **6** | ReS, EC,MT,DIESafety Presentation/PowerPoints/publisherPresentation | EC, ReS, Ca, MS social media, networks, research, adventure gaming | EC, ReSTM, DI, UT, SM, UTit, UTn UTi Digital presentation, research, marketing | EC, ReSDL, MSData logging, trends, identify issues. Podcast | EC, ReSHI, DI., SMCollecting, handing, presenting data |