

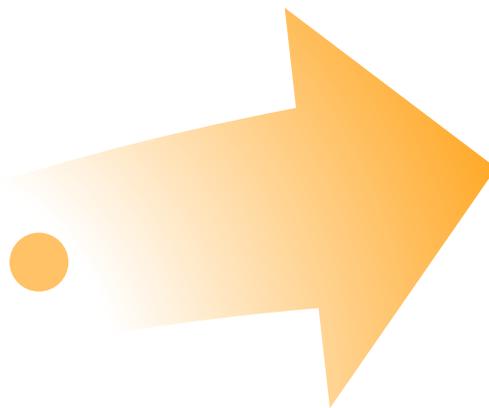


## 2020-21 Digital & Computing Review

---

In Reception, we have explored how technology, has changed from the past to now. In ICT we have become skilful users of Purple Mash, creating our own digital art, completing online puzzles and navigating this online platform with skill and confidence. We have also become familiar with the apps; School Jam, IXL Maths and Active Learn, all of which the children are able to access independently at home.

In Y1 this year, we have used the iPads to develop our computing skills on Purple Mash. The children have learnt how to navigate, explore and complete numerous programs using this platform. This includes; data handling, creating e-books, coding, spreadsheets, creating art and being able to hand in completed work and communicate with the teacher electronically. Pupils have also learnt the importance of safety online. Yr 1 are familiar with using Expedition and Google Maps to enhance their curriculum lessons.



The Y2 children started the year by familiarising themselves with our online learning platform Showbie. They learnt the process of saving and retrieving work for subsequent lessons, how to upload photos and annotate files. They have very much enjoyed our Coding sessions, which saw the children programme objects to move them around the screen. They have also learnt how to use basic Spreadsheets in our Purple Mash online programme. Woven through all of our sessions the children have been taught about internet safety including online bullying, managing online information and self-image and identity.



In Y3 this year, a large part of our work has been using text and graphics – including altering text and importing pictures on both Keynote and Pages. We have explored the mark up tool in photos during our personified picture project.

Our tinkering time has sharpened our skills and, as a result, we are particularly proud of our elephant clips project. We have a lot of fun building up our skills to produce animated drawings, on Keynote, to import into our magical narratives, on book creator.

Other projects have allowed us to develop our skills for coding, presenting data in pie charts, bar charts, branching databases and various graphs. The children particularly enjoyed using their 1:1 iPads to draft their biographies about Nelson Mandela's adult life. This alternative approach to writing allowed the children to see the importance of the editing stage without worrying about their book presentation.

Using their own iPads, the Y4 children have developed their coding and programming skills using Espresso coding. The iPads have regularly been used as a tool for researching or for using apps, such as TT Rockstars, IXL and Spelling shed. We have used them collaboratively to work on the same document, at the same time. The children have built on their skills using keynotes, clips and iMovie to showcase their learning in a cross-curricular lesson. They have explored sketches school to build on their artistic side.

In Y5, our personal iPads have provided us with an extensive opportunity to explore and develop many new digital skills. Children have become independent and efficient in selecting tools and Apps to scaffold and engage their learning across the whole curriculum. For instance, they have developed their digital art skills (portraits, DT logo & persuasive protest designs for our Diversity topic on the BLM movement) photography and video creation skills (Science links- cycle of a plant, space) for a wide range of purposes. Children used AR to develop an understanding of the Solar System and created their understanding using Clips with narration to explain their scientific understanding. They have used Keynote to create map animations with audio recordings and are also confident users of Pages, when presenting and publishing their own writing. In Computing, children have created databases and used a range of programmes, including Swift Playground, to extend their Coding skills. As part of our learning around Online Safety, we used the Google Internet Legends scheme of work. We planned to use Green Screen to record a broadcasting of events happening in Syria to present our journalistic interviews and support our newspaper report writing.

In Y6, we have used computing skills to research topics covered in class, learnt about Online Safety by working through Google Internet Legends and explored how we can look after ourselves online using the Google Digital Wellbeing framework. We have used Swift Playgrounds to develop coding skills and problem solving, as well as learning how to use spreadsheets in a variety of different contexts. We have also used our recording and editing skills to create a documentary. ..

#### WWW:

- Some cross-curricular links with Digital Learning to our Topics and integration of Video Creation in some year groups (Y4, Y5, Y6) to deepen children's understanding of other subjects.
- Coding has been covered across all year groups (some using Purple Mash – new whole school Digital & Computing overview, some using Espresso- old overview).
- Online Safety coverage (Google Wellbeing & Internet Safety scheme for KS2, KS1 Purple Mash)
- Using Digital tools to scaffold learners & use of Pages/Keynote to present outcomes.

#### EBI:

- Implement areas of Digital & Computing which feature on the **new Whole School Overview** (some year groups missing Video Creation, Sound).
- Develop clearer progression of skills to avoid repetition and nurture mastery- refer to **Digital Awards**.
- Provide opportunities for children to choose Digital tools which enable them to access learning & show their understanding