|  | **Autumn 1** | | **Autumn 2** | | **Spring 1** | **Spring 2** | | **Summer 1** | | | **Summer 2** |
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| **EYFS** | During the Early Years Foundation Stage children will utilise a range of technology to support their learning in other areas of the curriculum. This will include the use of interactive games such as using Mashcams- on mini mash, 2Beat and 2Explore. They will have the opportunity to programme Blue -bots and Bee-Bots to follow a route or direction. When exploring the world around them, children will explore wider uses of everyday technology such as creating light sequences on a light panel and metal detectors to see what is hiding underground. | | | | | | | | | | |
| **Year 1** | **Online Safety**  How can we stay safe and be kind to our friends when we use the internet and computers? | | **Spreadsheets** What kind of information can we organise in a spreadsheet and how can we use colours and shapes to make it easy and fun to understand? | | **Online Safety**  Animated Story Books  How can we create our own animated storybook using a computer and what stories do we want to tell through our animations? | **Pictograms**  How can we use pictures and symbols in a pictogram to share information about our favourite things or activities? | | **Online Safety**  **Coding**  What simple games or stories can we make by giving instructions to a computer, and how do we tell a computer what to do step by step? | | | |
| **Year 2** | **Online Safety**  **Effective Searching:**  How can we make sure we are safe while searching for information on the internet, and what are the best ways to find what we need? | | **Presenting Ideas**  What are some creative ways we can use the computer to share our ideas and stories with others? | | **Online Safety**  **Making Music**  How can we use computers to create our own music, and what kinds of sounds and rhythms can we make? | **Touch Typing:**  Why is it important to learn how to type quickly and accurately on a keyboard, and what games can help us practise? | | **Online Safety**  (Health, wellbeing & lifestyle and Privacy & security)  How can we stay healthy and happy while using computers and the internet, and what are good habits to have?  **Coding**: What kind of stories or games can we make by writing our own computer codes, and how do codes help us tell the computer what to do? | | | |
| **Year 3** | **Online Safety** How can we make sure that we are using the internet safely, and what should we do if we see something online that makes us uncomfortable or unsure? | | | **Spreadsheets**  How can we use spreadsheets to solve problems or organise information about our hobbies or school projects, and what kind of patterns can we find in the data? | **Online Safety**  **Touch Typing** Why is it important to improve our typing skills, and how can learning to type faster help us with our schoolwork and using computers? | **Branching databases** How can we use branching databases to sort and classify things like animals, plants, or even our favourite books, and what questions should we ask to sort them correctly? | | **Online Safety**  **Coding** How can we use coding to create our own simple games or animations, and what steps do we need to follow to make our ideas come to life on the computer? | | | |
| **Year 4** | **Online Safety** - What steps can we take to make sure we stay safe online, and how can we help our friends be safe too? | | | **Spreadsheets** - How can we use spreadsheets to plan a fun event or track important information for a class project, and what interesting things can we discover by analysing the data? | **Online Safety**  **Animation** - How can we create our own animations using a computer, and what stories can we tell through these animations? | **Touch typing** - How does becoming better at touch typing help us with our schoolwork and using computers more efficiently, and what fun activities can we do to improve our typing skills? | | **Online Safety**  **Effective Search** - How can we search for information on the internet safely and effectively, and what are the best ways to evaluate if the information we find is reliable? | | | **Coding** - What kind of problems can we solve by writing our own computer code, and how can we use coding to bring our creative ideas to life? |
| **Year 5** | **Online Safety**  **Touch typing** - How can mastering touch typing improve our efficiency in completing school projects and using digital tools, and what strategies can we use to increase our typing speed and accuracy? | | | **Spreadsheets**- How can we use spreadsheets for more complex tasks like budgeting for a class event or analysing survey results, and what formulas or functions can help us make these tasks easier? | **Word processing**  (Google Docs) - What are some advanced features in Google Docs that can help us create professional-looking documents, and how can these skills be useful for our school projects and presentations? | | | **Online Safety**  **Databases** - How can we use databases to organise large amounts of information, like a collection of books or scientific data, and how do we query a database to find specific information quickly? | | | **Coding** - How can we use coding to solve real-world problems or create interactive stories and games, and what new programming concepts can we learn to enhance our coding skills? |
| **Year 6** | **Online Safety** - How can we be leaders in promoting online safety and digital responsibility in our school, and what strategies can we use to deal with cyberbullying or misinformation? | | **Spreadsheets** - How can we use advanced features in Google Sheets to analyse class data, create graphs, and make predictions, and how can these skills help us in real-life situations? | | **Word processing**  (Google Sheets) - What are some creative ways we can use Google Docs to collaborate on projects with our classmates, and how can we use different formatting and design tools to enhance our work? | | | **Coding** - How can we develop our own computer programs to solve complex problems or create interactive games, and what new programming languages or concepts can we explore to advance our coding skills? | | **Online Safety** | |