**St Charles RC Primary School**

**Computing Curriculum Map**

**2022-2023**

| **Term** | **Nursery** | **Reception**  | **Year 1** | **Year 2****Including 1/2** | **Year 3** | **Year 4** | **Year 5** | **Year 6****Including 5/6** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Autumn** | Children play with a range of battery operated and cause and effect toys.  | Children have the language skills to give simple single instructions Children use simple programmes on the IWB (eg busy things) with support  | **Safety Rules and Basic Skills****Digital Literacy**ESafety3BM-Smartie the Penguin**Digital Literacy** Sharing work online3BM- Sharing my iceburg work**Computer Science**Understanding what an algorithm is - using instructions 3BM- What’s an algorithm? | **Safety Rules and Basic Skills****Digital Literacy**ESafety3BM- Digiducks dilemmaFinding information safely from websites3BM-Finding out about**Computer Science**Creating and fixing simple programs3BM-I can debug | **Safety Rules** **Digital Literacy**ESafety3BM-Internet Scenario Card**Computer Science**Block Coding3BM-I can use block codingJourney of an email3BM-Journey of an email | **Safety Rules** **Information Technology** Be discerning when finding online information3BM-My exciting world landmarks**Digital Literacy**ESafety3BM-Internet Scenario Card**Computer Science**Programming3BM-Dancing with scratch | **Safety Rules** **Information Technology**Using technology to create a poster3BM- Design a Poster about Charles Babbage**Computer Science**Programming3BM-Game creation with Scratch | **Safety Rules** **Computer Science**Programming-solving problems3BM-Have fun with scratchUnderstanding networks and how search engines work3BM-Searching Searching**Digital Literacy**ESafety3BM-Internet Scenario Card- |
| **Spring** | Children listen to instructions. Children can follow simple two step instructions.  Children are able to use a simple paint programme on the IWB with support.  | Children are able to follow simple process based instructions including those that involve Positional languageChildren are starting to understand that they can find information using computers.  | **Computer Science** Programming Devices3BM-Giving instructions-making toast **Information technology** Creating an avatar and an image3BM-design a plate3BM -design a faceUsing technology to sort objects into groups and for graphing3BM- I can sort objects |  **Information Technology** Blogging3BM-Do you like my blog?Creating digital work3BM-Say no to graffitiCreating animations3BM-How does that grow? | **Information Technology**Databases3BM-Finding out about me**Computer Science**Algorithms3BM-Can your robot make shapes?**Digital Literacy**Use technology safely, respectfully and responsibly3BM-Would I lie to you? | **Information Technology**Spreadsheets3BM-What’s a spreadsheet**Digital Literacy** Blogging3BM-Here’s my presentation | **Information Technology** Blogging3BM Can you finish my storySpreadsheets3BM-Simply Delicious Spread Sheets | **Information Technology**Designing and combining in 3D3BM-Let’s design and combine in 3D**Digital Literacy** Exploring the reliability of online information3BM-How can we trust the internet?**Computer Science**Understanding computer terminology3BM-Words Words WordsIdentifying logic and syntax errors in code/algorithms3BM-What’s wrong here? |
| **Summer** | Children are able to follow simple process based instructions including those that involve Positional languageChildren are able to take turns on the IWB with support.  | Children have the language skills to give simple instructionsChildren use a mouse to create a picture on an art programme. Children use Ipad and other cameras to take pictures  | **Computer Science**Coding3BM-I can code**Digital Literacy**To safety find out information from an online game3BM-How does my garden grow?**Information technology**Use technology purposefully to create, organise, store, manipulate and retrieve digital content3BM- Let’s write with words | **Information Technology**Sorting, classifying & asking questions3BM-Mini beasties**Computer Science**Algorithms3BM-How does that work? | **Information Technology**Using QR codes3BM- Would you like to read this?**Computer Science**Understanding some computing vocabulary and terminology3BM-Words Words WordsGiving instructions for simple programming3BM-Exploring how things work | **Computer Science**Understanding how search engines work3BM-Searching the webExploring computer terminology3BM-Words Words Words**Digital Literacy**Esafety3BM-Play like share**Information Technology**Developing photo manipulation techniques3BM-Creating an alien landscape | **Digital Literacy**ESafety3BM-Internet Scenario CardExploring the reliability of online information3BM-Stop! Check!**Computer Science**Explaining the Internet and World Wide Web3BM-What is the Internet? | **Digital Literacy**Blogging3BM-3BM Do you agree?**Information Technology**Spreadsheets3BM-Party time Spreadsheets |