

Long Term Planner for Computing

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Rec	Using a mouse to move a cursor, age appropriate games, awareness of different technologies, awareness of using computers for different purposes	age appropriate games, Dazzle, awareness of different technologies, awareness of using computers for different purposes	age appropriate games, Dazzle, using an ipad to take photos, awareness of different technologies, awareness of using computers for different purposes	age appropriate games, Dazzle, awareness of different technologies, awareness of using computers for different purposes	age appropriate games, Dazzle, awareness of different technologies, awareness of using computers for different purposes	age appropriate games, Dazzle, awareness of different technologies, awareness of using computers for different purposes
1	Dazzle – Can I use a simple painting program to paint with different colours and brushes, create shapes, fill areas, undo and redo and add text?	Keyboard skills - How do we log on to the computers at school?	Programming - Beebots Do I understand what algorithms are and can I create and debug simple programs?	Programming - Do I understand what algorithms are and can I create and debug simple programs?	Multimedia - Can I use technology purposefully to create, organise, store, manipulate and retrieve digital content?	Data handling - Can I store and retrieve data and know some ways in which information is represented digitally?
2	Can I use the internet safely?	Do I know how technology affects our day to day life?	Can I program using Scratch for a specific purpose?	Can I construct a lego model and program it to work?	Can I construct and use a database?	Can I research and present the information using powerpoint?
3	Multimedia Can I use PowerPoint to create a presentations using their knowledge of volcanoes? Insert text, images and sound.	Dazzle Can I use pattern making techniques to create a mosaic? Use stamp technique to create a mosaic pattern.	Scratch – programming Can I write a program to include facts about the Stone Age? Using programming commands to create characters having a conversation.	Lego – programming Can I construct a Lego model and program it to successfully perform a given action?	Internet Research Can I use internet search engines and websites safely to research Brasilia?	Data handling Can I make a branching database about different types of seed dispersal?

4	E-safety - How do I create a safe online profile? Scratch coding – Maths quiz - What are the commands needed to write and debug a program?	E-safety - What is a message that is hurtful and how do I respond to it? Technology in our lives - What are the hidden technologies in our lives?	E-safety - What is plagiarism and how do I avoid it? Database – How do I use a database to compare different layers of a rainforest?	E-safety - How do I use a search engine safely? PPT – How do I use the features of PowerPoint for effect?	E-safety – How do I become a responsible digital citizen? Word – How do I use Word to publish a persuasive leaflet?	E-safety - What would an online superhero character need to be like? Lego – How do I animate a 3D model?
5	Wallace and Gromit animation Can I create an animation story using Wallace and Gromit as an inspiration?	Lego programming Can I use a control programme to create various lego models?	Scratch Can I programme and problem solve using scratch?	Powerpoint presentations Can I deliver a presentation to the class using Powerpoint?	The history of the internet / inspirational pioneers Who are the main icons of the computer industry and how have they changed our lives?	Spreadsheets and data bases Can I understand how to use a spreadsheet and use it to solve a real life problem?
6	Spreadsheets How can I use a spreadsheet effectively to calculate a real life problem?	Graphic manipulation How can I best present an Autumn poem?	Scratch programming. Can I program and problem solve using scratch, using it to create my own coding programs?	Multimedia Can I use powerpoints to create a presentation researching technology through the ages?	Scratch programming. Can I continue to develop my understanding of coding using the Scratch program?	Lego programming Can I use a control program to create my own lego models?