Computing Overview 2024/25

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Yr 1	iAlgorithm This unit introduces the concept of algorithms	iProgram This unit uses the context of programming physical and virtual toys to develop children understanding of algorithms	iDraw In this unit, children explore and develop skills using digital tools to create and edit graphical art.	iProgram 2 In this unit, they use Scratch Jr to design and program animated stories	iWrite This unit introduces word processing	iModel This unit explores how computer models work and how they can be used
Yr 2	iCompute Children learn about the applications of computing in the modern world	iAnimate Children create stop motion animations	iSearch Children learn about search engines and how to use them safely	iProgram Children create and debug simple algorithms using ScratchJr	iPublish Children create a non-fiction presentation and eBook	iProgram2 Children create simple programs using Scratch
Yr 3	iProgram Creating programs in Scratch	iData This unit introduces the concept of a database and how they can be used.	iMicrosoft Children learn to use different Microsoft Office programs	iNetwork Introducing computer networks	iPodcast Children develop audio editing skills to create short podcast style projects	iSimulate This unit provides an introduction to computer simulations and how they can be used
Yr 4	iProgram (Bot/Turtle/Robo) This Unit uses different coding environments to explore the use of repetition and conditional statements.	iAnimate Using digital drawing tools to create a short animation	iMail This unit teaches the children how to use eMail safely and responsibly.	iLearnAI This unit introduces the concept of AI	iProgram Creating programs in scratch	iData This unit explore how excel can be used to help sort and analyse data.
Yr 5	iProgram Using coding skills in a 3D environment	iDraw Creating Vector images	iWeb Looking at how webpages are made and html coding	iModel Creating virtual 3D models	iProgram Creating games in scratch	iCrypto This unit introduces encryption and decryption
Yr 6	iProgram Creating games in scratch	iNetwork Looking at computer networks and the internet, including writing html code	iApp in this unit the children use a written programming language to code an App.	iData In this unit, children are introduced to formulae in Excel	iLearnAI This unit introduces the concept of AI	iDriveMicro:bits In this unit the children apply their programming skills to control cutebots using Micro:Bits