

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception				Music - Our World Can you listen and respond to music through movement and dance? Can you find the pulse and show this through movement? Can you copy back rhythms of phrases in a song? Can you explore pitch with your voice? Pulse, rhythm, pitch, sounds	Music - Big Bear Funk Can you clap a whole line of a song? Can you create a two or three-note repeated pattern? Can you sing a song from memory? Can you share a performance? Pulse, unison, tempo, pitch	Computing - Computing systems and networks 1: Using a computer Can you use a keyboard to locate relevant keys? Can you log in and out? Can you control a mouse and develop basic clicking skills? Can you click and drag using a mouse? Mouse, cursor/arrow, click, drag Children will also need to explore using a camera to be KS1 ready.
Year 1	Computing - Reception Programming 1: Algorithms unplugged Can you explain what an algorithm is? Can you write clear algorithms? Can you follow an algorithm? Can you identify bugs in an algorithm and how to fix them?	Music - Hey You! Can you begin to find the pulse in various pieces of music? Can you rap and sing in time and understand how this sound differently? Can you play in time with the music as a class? Can you play C and G and on instrument?	Music - In the Groove Can you find the pulse? Can you clap back various rhythms? Can you sing or play an instrument in time as part of a performance? Can you identify 5 different musical styles? Vocab: Pulse, rhythm,	Computing - Reception Programming 2: Programming Bee-Bots Can you recognise cause and effect when pressing buttons on a Bee-Bot? Can you discuss and demonstrate how the Bee-Bot work? Can you give several clear instructions in sequence?	Music - Your Imagination Can you copy and clap back rhythms with different given stimuli? Can you make up your own rhythms? Can you sing in unison and in two parts? Can you play C and D on an instrument? Compose, imagination, unison, keyboard	Computing - Year 1 Creating Media: Digital Imagery Can you plan a pictorial story using photographic images in sequence? Can you take clear photos using a device? Can you edit photos by cropping, filtering and resizing? Can you organise images on the page, orientating where necessary?

	Algorithm, code, decompose, debug	Pulse, rap, perform, melody	pitch, improvise	Can you identify and correct mistakes in your programming? Input, output, program, tinker		Blurred, crop, edit, resize
Year 2	Computing - Programming 1: Algorithms and debugging Can you decompose a game to predict the algorithms? Can you write clear and precise algorithms? Can you use loops in your algorithms to make their code more efficient? Can you explain what abstraction is? Abstraction, loop, AI, error	Computing - Computing systems and networks 2: Word processing Can you explain which are the home row keys and how to find them for typing? Can you type and make simple alterations to text using buttons on a word processor? Can you search for, import and alter appropriate images for a text document? Can you use copy and paste to copy text from one document to another? Backspace, undo, copy, paste	Music - Hands, Feet, Heart Can you clap longer and shorter rhythms? Can you sing in groups using call and response? Can you play G, A and C on an instrument? Can you compose a simple melody and perform this? Improvise, audience, melody, tempo	Music - I wanna play in a band Can you find the pulse in different pieces of music? Can you create a rhythm for the class to copy back? Can you play C, D, G, and F on an instrument? Can you compose a simple melody using simple rhythms as part of a performance piece? Dynamics, tempo, Rock, electric guitar	Programming 2: Introduction to block coding Scratch Jr. Can you recognise the smaller steps needed to solve a problem within a game? Can you identify different blocks and explain their basic use? Can you create a simple sequence of instructions using at least three different blocks? Can you arrange code blocks in the correct order to create a working program and debug these? Block coding, icon, animation, 'on tap'	Music - Friendship Song Can you explain how to find the pulse? Can you create more complex rhythms and use call and response to copy back? Can you play E, G, D, B, A and C using a musical instrument? Can you compose a melody as part of a performance? Drums, glockenspiel, dynamics, performance

Year 3	Computing - YEAR 2 Creating media: Stop motion Can you create a flip book animation? Can you decompose a story into smaller parts to plan a stop motion animation? Can you create stop motion animations with small changes between images? Can you share a piece of work with others? Animation, flipbook, duration, static	Music - Glockenspiel Stage 1 Can you learn to play and read the notes: C, D, E and F? Can you learn to play various common tunes using these notes? Can you improvise using the notes C and D? Can you compose using the notes C, D, E and F? Texture, structure, melody, improvise	Computing - Programming: Scratch Can you explain what some of the blocks do in Scratch? Can you explain what a loop is and include one in their program? Can you use a systematic approach to find bugs? Can you understand the definitions of decomposition and algorithm and how they are used to create accurate code? Remix, repetition code, sprite, application	Music - Three Little Birds Can you identify a piece's structure? Can you play the notes C, D, E, G, and A? Can you sing in unison? Can you explain the difference between melody and pulse? Introduction, verse, chorus, pentatonic scale	Computing - Computing systems and networks 2: Emailing Office 365 Can you log in and out of email? Can you send a simple email with a subject plus 'To' and 'From' in the body of the text? Can you add an attachment to an email? Can you write an email using positive language, with an awareness of how it will make the recipient feel and recognise when an email may be fake and explain how you know? Attachment, email account, link, spam	Music - Bringing Us Together Can you find the pulse, rhythm or tempo changes in a piece of music? Can you identify the voices/instruments you can hear in a piece of music? Can you play a pentatonic scale? Can you explain how the words of a song often tell a story? What is that story? Riff, hook, pentatonic scale, disco
Year 4	Computing - Programming 1: Further coding with Scratch Can you understand how to create a	Music - Mamma Mia Can you find the pulse, tempo changes, dynamics and texture in a	Computing - Creating media: Website design Can you create a clear plan for their web	Music - Glockenspiel Stage 2 Can you play complex rhythm patterns? Can you read and revise	Music - Lean On Me Can you read and revise playing the notes C, D, E, F and G? Can you compose	Computing - Skills showcase: HTML Can you recognise the role of HTML in a web page? Can you add text between the heading and paragraph tags?

	simple script in Scratch? Can you use decomposition to identify key features and understand how to decipher actions that make the quiz game work? Can you understand what a variable is and how to use the 'say' and 'ask' blocks? Can you create a variable and be able to use a variable to record a score? Coordinates negative number, orientation, variable	piece of music? Can you play a pentatonic scale? Can you identify the notes G and A by ear? Can you improvise as part of a performance? Solo, pentatonic scale, unison, texture	page and begin to create it? Can you create a professional looking web page with useful information and a clear style, which is easy for the user to read and find information from? Can you create a clear plan by referring back to their checklist? Can you create four web pages with a range of features on their website? Design, embed, hyperlinks, web page	playing the notes C, D, E, F and G? Can you compose using the notes C, D, E, F and G? Can you begin to evaluate your own performance? Rhythm patterns, texture structure, tempo, dynamics	using the notes C, D, E, F and G? Can you identify by ear the notes C and F and play these? Can you begin to evaluate your own performance and that of others? Outro, notation, bridge, organ	Can you explore a web page using the inspect tool and alter the basic elements within a web page using the inspect tool? Can you replace the text and images in a webpage? HTML, start tag, URL, end tag
Year 5	Computing - Data Handling: Mars Rover 1 Can you explain how the Mars Rover transmits the data back to Earth and the challenges involved? Can you read any number	Computing - Programming 2: Micro:bit Can you clip blocks together and predict what will happen? Can you create their own images to make the animation and recognise the difference between 'on start' and 'forever'?	UKULELE See: DurhamMusicServiceOnline			

	in binary, up to eight bits? Can you identify input, processing and output on the Mars Rovers? Can you read binary numbers and grasp the concept of binary addition? 8-bit binary, ASCII, Boolean, byte	Can you choose appropriate blocks to complete the program and attempt the challenges independently ? Can you break a program down into smaller steps, suggesting appropriate blocks and match the algorithm to the program? Pairing, reset, tinkering, USB				
Year 6	Computing - Computing systems and networks: Exploring AI Can you explain what AI is and its basic functions? Can you identify how AI understands and processes text and image prompts? Can you generate and refine prompts to achieve the best possible response from AI? Can you debate the	Music - Happy Can you describe the style indicators in a song? Can you describe the structure of a song? Can you talk about the musical dimensions used in a song? Can you compose a piece of music using the notes C, E, G, A and B? Style indicators, Motown, timbre, dimensions of music	Computing - Programming: Intro to Python Can you use nested loops in their designs, explaining why they need two repeats? Can you alter the house drawing using Python commands; use comments to show a level of understanding around what their code does? Can you use loops in Python and	Music - You've got a friend Can you talk about the musical dimensions used in a song? Can you compose a piece of music using the notes C, E, G, A and D? Can you recognise and play A, B and G by ear? Can you evaluate your own performance and that of others?	Computing - Data handling 1: Big Data 1 Can you understand why barcodes and QR codes were created and create (and scan) your own QR code using a QR code generator website? Can you explain how RFID works, recall a use of RFID chips, and type formulas into spreadsheets ? Can you take real-time	Music - Music and Me Can you discuss the music of featured artists? Can you talk about any musical connections you have using previous knowledge and understanding? Can you make links between family, culture and background and an artist's music? Can you compose your own piece of music inspired by a featured artist? Lyrics, culture, identity, inspirational

	potential of AI replacing human roles, presenting well-structured arguments? AI, generated image, generated text, rebuttal		explain what the parts of a loop do? Can you recognise that computers can choose random numbers; decompose the program into an algorithm and modify a program to personalise it? Indentation, random, remix, shape	Producer, harmony, timbre, equality	data and enter it effectively into a spreadsheet ? Can you analyse and evaluate transport data and consider how this provides a useful service to commuters? GPS, RFID, SIM, QR codes	
--	--	--	--	--	---	--

Computing/Music 2024-2025

e-safety should be taught throughout and linked with PSHE/RSE, at the beginning of each Autumn Term, we will cover the e-Safety unit using Kapow. E-safety day in February to follow.