Year Group	Unit Name	Lesson	Learning Objectives
1	Computing systems and networks – Technology around us	1	-To identify technology
1	Computing systems and networks – Technology around us	2	-To identify a computer and its main parts
1	Computing systems and networks – Technology around us	3	-To use a mouse in different ways
1	Computing systems and networks – Technology around us	4	-To use a keyboard to type on a computer
1	Computing systems and networks – Technology around us	5	-To use the keyboard to edit text
1	Computing systems and networks – Technology around us	6	-To create rules for using technology responsibly
1	Creating media – Digital painting	1	-To describe what different freehand tools do
1	Creating media – Digital painting	2	-To use the shape tool and the line tools
1	Creating media – Digital painting	3	-To make careful choices when painting a digital picture
1	Creating media – Digital painting	4	-To explain why I chose the tools I used
1	Creating media – Digital painting	5	-To use a computer on my own to paint a picture
1	Creating media – Digital painting	6	-To compare painting a picture on a computer and on paper

1	Programming A – Moving a robot	1	-To explain what a given command will do
1	Programming A – Moving a robot	2	-To act out a given word
1	Programming A – Moving a robot	3	-To combine forwards and backwards commands to make a sequence
1	Programming A – Moving a robot	4	-To combine four direction commands to make sequences
1	Programming A – Moving a robot	5	-To plan a simple program
1	Programming A – Moving a robot	6	-To find more than one solution to a problem
1	Data and information – Grouping data	1	-To label objects
1	Data and information – Grouping data	2	-To identify that objects can be counted
1	Data and information – Grouping data	3	-To describe objects in different ways
1	Data and information – Grouping data	4	-To count objects with the same properties
1	Data and information – Grouping data	5	-To compare groups of objects
1	Data and information – Grouping data	6	-To answer questions about groups of objects
1	Creating media – Digital writing	1	-To use a computer to write
1	Creating media – Digital writing	2	-To add and remove text on a computer
1	Creating media – Digital writing	3	-To identify that the look of text can be changed on a computer
1	Creating media – Digital writing	4	-To make careful choices when changing text

1	Creating media – Digital writing	5	-To explain why I used the tools that I chose
1	Creating media – Digital writing	6	-To compare typing on a computer to writing on paper
1	Programming B - Programming animations	1	-To choose a command for a given purpose
1	Programming B - Programming animations	2	-To show that a series of commands can be joined together
1	Programming B - Programming animations	3	-To identify the effect of changing a value
1	Programming B - Programming animations	4	-To explain that each sprite has its own instructions
1	Programming B - Programming animations	5	-To design the parts of a project
1	Programming B - Programming animations	6	-To use my algorithm to create a program
2	Computing systems and networks – IT around us	1	-To recognise the uses and features of information technology
2	Computing systems and networks – IT around us	2	-To identify the uses of information technology in the school
2	Computing systems and networks – IT around us	3	-To identify information technology beyond school
2	Computing systems and networks – IT around us	4	-To explain how information technology helps us
2	Computing systems and networks – IT around us	5	-To explain how to use information technology safely
2	Computing systems and networks – IT around us	6	-To recognise that choices are made when using information technology
2	Creating media – Digital photography	1	-To use a digital device to take a photograph

2	Creating media – Digital photography	2	-To make choices when taking a photograph
2	Creating media – Digital photography	3	-To describe what makes a good photograph
2	Creating media – Digital photography	4	-To decide how photographs can be improved
2	Creating media – Digital photography	5	-To use tools to change an image
2	Creating media – Digital photography	6	-To recognise that photos can be changed
2	Programming A – Robot algorithms	1	-To describe a series of instructions as a sequence
2	Programming A – Robot algorithms	2	-To explain what happens when we change the order of instructions
2	Programming A – Robot algorithms	3	-To use logical reasoning to predict the outcome of a program
2	Programming A – Robot algorithms	4	-To explain that programming projects can have code and artwork
2	Programming A – Robot algorithms	5	-To design an algorithm
2	Programming A – Robot algorithms	6	-To create and debug a program that I have written
2	Data and information – Pictograms	1	-To recognise that we can count and compare objects using tally charts
2	Data and information – Pictograms	2	-To recognise that objects can be represented as pictures
2	Data and information – Pictograms	3	-To create a pictogram

2	Data and information – Pictograms	4	-To select objects by attribute and make comparisons
2	Data and information – Pictograms	5	-To recognise that people can be described by attributes
2	Data and information – Pictograms	6	-To explain that we can present information using a computer
2	Creating media - Digital music	1	-To say how music can make us feel
2	Creating media - Digital music	2	-To identify that there are patterns in music
2	Creating media - Digital music	3	-To experiment with sound using a computer
2	Creating media - Digital music	4	-To use a computer to create a musical pattern
2	Creating media - Digital music	5	-To create music for a purpose
2	Creating media - Digital music	6	-To review and refine our computer work
2	Programming B - Programming quizzes	1	-To explain that a sequence of commands has a start
2	Programming B - Programming quizzes	2	-To explain that a sequence of commands has an outcome
2	Programming B - Programming quizzes	3	-To create a program using a given design
2	Programming B - Programming quizzes	4	-To change a given design

2	Programming B - Programming quizzes	5	-To create a program using my own design
2	Programming B - Programming quizzes	6	-To decide how my project can be improved

Success Criteria
-I can explain how these technology examples help us - I can explain technology as something that helps us - I can locate examples of technology in the classroom
-I can name the main parts of a computer - I can switch on and log into a computer - I can use a mouse to click and drag
-I can click and drag to make objects on a screen - I can use a mouse to create a picture - I can use a mouse to open a program
-I can save my work to a file - I can say what a keyboard is for - I can type my name on a computer
-I can delete letters - I can open my work from a file - I can use the arrow keys to move the cursor
-I can discuss how we benefit from these rules - I can give examples of some of these rules - I can identify rules to keep us safe and healthy when we are using technology in and beyond the home
-I can draw lines on a screen and explain which tools I used - I can make marks on a screen and explain which tools I used - I can use the paint tools to draw a picture
-I can make marks with the square and line tools - I can use the shape and line tools effectively - I can use the shape and line tools to recreate the work of an artist
-I can choose appropriate shapes - I can create a picture in the style of an artist - I can make appropriate colour choices
-I can choose appropriate paint tools and colours to recreate the work of an artist - I can say which tools were helpful and why - I know that different paint tools do different jobs
-I can change the colour and brush sizes - I can make dots of colour on the page - I can use dots of colour to create a picture in the style of an artist on my own
-I can explain that pictures can be made in lots of different ways - I can say whether I prefer painting using a computer or using paper - I can spot the differences between painting on a computer and on paper

-I can match a command to an outcome - I can predict the outcome of a command on a device - I can run a command on a device
-I can follow an instruction - I can give directions - I can recall words that can be acted out
-I can compare forwards and backwards movements - I can predict the outcome of a sequence involving forwards and backwards commands - I can start a sequence from the same place
-I can compare left and right turns - I can experiment with turn and move commands to move a robot - I can predict the outcome of a sequence involving up to four commands
-I can choose the order of commands in a sequence - I can debug my program - I can explain what my program should do
-I can identify several possible solutions - I can plan two programs - I can use two different programs to get to the same place
-I can describe objects using labels - I can identify the label for a group of objects - I can match objects to groups
-I can count a group of objects - I can count objects - I can group objects
-I can describe an object - I can describe a property of an object - I can find objects with similar properties
-I can count how many objects share a property - I can group objects in more than one way - I can group similar objects
-I can choose how to group objects - I can describe groups of objects - I can record how many objects are in a group
-I can compare groups of objects - I can decide how to group objects to answer a question - I can record and share what I have found
-I can identify and find keys on a keyboard - I can open a word processor - I can recognise keys on a keyboard
-I can enter text into a computer - I can use backspace to remove text - I can use letter, number, and space keys
-I can explain what the keys that I have learnt about already do - I can identify the toolbar and use bold, italic, and underline - I can type capital letters
-I can change the font - I can select all of the text by clicking and dragging - I can select a word by double-clicking

-I can decide if my changes have improved my writing - I can say what tool I used to change the text - I can use ‘undo’ to remove changes
-I can explain the differences between typing and writing - I can make changes to text on a computer - I can say why I prefer typing or writing
-I can compare different programming tools - I can find which commands to move a sprite - I can use commands to move a sprite
-I can run my program - I can use a Start block in a program - I can use more than one block by joining them together
-I can change the value - I can find blocks that have numbers - I can say what happens when I change a value
-I can add blocks to each of my sprites - I can delete a sprite - I can show that a project can include more than one sprite
-I can choose appropriate artwork for my project - I can create an algorithm for each sprite - I can decide how each sprite will move
-I can add programming blocks based on my algorithm - I can test the programs I have created - I can use sprites that match my design
-I can describe some uses of computers - I can identify examples of computers - I can identify that a computer is a part of IT
-I can identify examples of IT - I can identify that some IT can be used in more than one way - I can sort school IT by what it’s used for
-I can find examples of information technology - I can sort IT by where it is found - I can talk about uses of information technology
-I can demonstrate how IT devices work together - I can recognise common types of technology - I can say why we use IT
-I can list different uses of information technology - I can say how rules can help keep me safe - I can talk about different rules for using IT
-I can explain the need to use IT in different ways - I can identify the choices that I make when using IT - I can use IT for different types of activities
-I can explain what I did to capture a digital photo - I can recognise what devices can be used to take photographs - I can talk about how to take a photograph

-I can explain the process of taking a good photograph - I can explain why a photo looks better in portrait or landscape format - I can take photos in both landscape and portrait format
-I can discuss how to take a good photograph - I can identify what is wrong with a photograph - I can improve a photograph by retaking it
-I can experiment with different light sources - I can explain why a picture may be unclear - I can explore the effect that light has on a photo
-I can explain my choices - I can recognise that images can be changed - I can use a tool to achieve a desired effect
-I can apply a range of photography skills to capture a photo - I can identify which photos are real and which have been changed - I can recognise which photos have been changed
-I can choose a series of words that can be enacted as a sequence - I can follow instructions given by someone else - I can give clear instructions
-I can show the difference in outcomes between two sequences that consist of the same commands - I can use an algorithm to program a sequence on a floor robot - I can use the same instructions to create different algorithms
-I can compare my prediction to the program outcome - I can follow a sequence - I can predict the outcome of a sequence
-I can explain the choices I made for my mat design - I can identify different routes around my mat - I can test my mat to make sure that it is usable
-I can create an algorithm to meet my goal - I can explain what my algorithm should achieve - I can use my algorithm to create a program
-I can plan algorithms for different parts of a task - I can put together the different parts of my program - I can test and debug each part of the program
-I can compare totals in a tally chart - I can record data in a tally chart - I can represent a tally count as a total
-I can enter data onto a computer - I can use a computer to view data in a different format - I can use pictograms to answer simple questions about objects
-I can explain what the pictogram shows - I can organise data in a tally chart - I can use a tally chart to create a pictogram

-I can answer 'more than'/'less than' and 'most/least' questions about an attribute
- I can create a pictogram to arrange objects by an attribute
- I can tally objects using a common attribute

-I can choose a suitable attribute to compare people
- I can collect the data I need
- I can create a pictogram and draw conclusions from it

-I can give simple examples of why information should not be shared
- I can share what I have found out using a computer
- I can use a computer program to present information in different ways

-I can describe music using adjectives
- I can identify simple differences in pieces of music
- I can say what I do and don't like about a piece of music

-I can create a rhythm pattern
- I can explain that music is created and played by humans
- I can play an instrument following a rhythm pattern

-I can connect images with sounds
- I can relate an idea to a piece of music
- I can use a computer to experiment with pitch

-I can explain how my music can be played in different ways
- I can identify that music is a sequence of notes
- I can refine my musical pattern on a computer

-I can add a sequence of notes to my rhythm
- I can create a rhythm which represents an animal I've chosen
- I can create my animal's rhythm on a computer

-I can explain how I changed my work
- I can listen to music and describe how it makes me feel
- I can review my work

-I can identify that a program needs to be started
- I can identify the start of a sequence
- I can show how to run my program

-I can change the outcome of a sequence of commands
- I can match two sequences with the same outcome
- I can predict the outcome of a sequence of commands

-I can build the sequences of blocks I need
- I can decide which blocks to use to meet the design
- I can work out the actions of a sprite in an algorithm

-I can choose backgrounds for the design
- I can choose characters for the design
- I can create a program based on the new design

-I can build sequences of blocks to match my design
- I can choose the images for my own design
- I can create an algorithm
-I can compare my project to my design
- I can debug my program
- I can improve my project by adding features