Computing-Spring   <u>Computing SOL (Sequence of Learning)</u>

		→							Outcome	Vocabulary
Year 1 Creating Media-Digital Writing	2.1	Learning: To use a computer to write	Learning: To add and remove text on a computer	Learning: To identify that the look of text can be changed on a computer	Learning: To make careful choices when changing text	Learning: To explain why I used the tools that I chose	Learning: To compare typing on a computer to writing on paper	Summative Assessment	To use a computer to create and format text, before comparing to writing non-digitally.	Keys Typing Undo
Year 1 Data and Information-Grouping Data	2.2	Learning: To label objects	Learning: To identify that objects can be counted	Learning: To describe objects in different ways	Learning: To count objects with the same properties	Learning: To compare groups of objects	Learning: To answer questions about groups of objects	Summative Assessment	To explore object labels, then using them to sort and group objects by properties.	Object Group Property
Year 2 Creating Media-Making Music	2.1	Learning: To say how music can make us feel	Learning: To identify that there are patterns in music	Learning: To experiment with sound using a computer	Learning: To use a computer to create a musical pattern	Learning: To create music for a purpose	Learning: To review and refine our computer work	Summative Assessment	To use a computer as a tool to explore rhythms and melodies, before creating a musical composition.	Rhythm pattern Music Tempo
Year 2 Data and Information-Pictograms	2.2	Learning: To recognise that we can count and compare objects using tally charts	Learning: To recognise that objects can be represented as pictures	Learning: To create a pictogram	Learning: To select objects by attribute and make comparisons	To recognise that people can be described by attributes	To explain that we can present information using a computer	Summative Assessment	To collect data in tally charts and use attributes to organise and present data on a computer	Tally Chart Pictogram Attribute

Year 3 Creating Media-Desktop Publishing	2.2	Learning: To recognise how text and images convey information	Learning: To recognise that text and layout can be edited	Learning: To choose appropriate page settings	Learning: To add content to a desktop publishing publication	Learning: To consider how different layouts can suit different purposes	Learning: To consider the benefits of desktop publishing	Summative Assessment	To create documents by modifying text, images, and page layouts for a specified purpose.	Fonts Template Desktop Publishing Page Orientation
Year 3 Data and Information-Branching Databases	2.2	Learning: To create questions with yes/no answers	Learning: To identify the attributes needed to collect data about an object	Learning: To create a branching database	Learning: To explain why it is helpful for a database to be well structured	Learning: To plan the structure of a branching database	Learning: To independently create an identification tool	Summative Assessment	To build and use branching databases to group objects using yes/no questions.	Attributes Branching databases
Year 4 Creating Media-Photo Editing	2.1	Learning: To explain that the composition of digital images can be changed	Learning: To explain that colours can be changed in digital images	Learning: To explain how cloning can be used in photo editing	Learning: To explain that images can be combined	Learning: To combine images for a purpose	Learning: To evaluate how changes can improve an image	Summative Assessment	To manipulate digital images, and reflect on the impact of changes and whether the required purpose is fulfilled.	Edit Cropping (crop tool) Composition Clone (tool/stamp)
Year 4 Data and Information-Data Logging	2.2	Learning: To explain that data gathered over time can be used to answer questions	Learning: To use a digital device to collect data automatically	Learning: To explain that a data logger collects 'data points' from sensors over time	Learning: To recognise how a computer can help us analyse data	Learning: To identify the data needed to answer questions	Learning: To use data from sensors to answer questions	Summative Assessment	To recognise how and why data is collected over time, before using data loggers to carry out an investigation.	Data Data logger Sensor Analyse

Year 5 Creating Media- Video Editing	2.1	Learning: To explain what makes a video effective	Learning: To use a digital device to record video	Learning: To capture video using a range of techniques	Learning: To create a storyboard	Learning: To identify that video can be improved through reshooting and editing	Learning: To consider the impact of the choices made when making and sharing a video	Summative Assessment	To plan, capture and edit video to produce a short film.	Video Framing (shot types) Filming techniques Storyboard
Year 5 Data and Information- Flat-file Databases	2.2	Learning: To use a form to record information	Learning: To compare paper and computer-based databases	Learning: To outline how you can answer questions by grouping and then sorting data	Learning: To explain that tools can be used to select specific data	Learning: To explain that computer programs can be used to compare data visually	Learning: To use a real-world database to answer questions	Summative Assessment	To use a database to order data and create charts to answer questions	Database Records Fields Value
Year 6 Creating Media- Web Page Creation	2.1	Learning: To review an existing website and consider its structure	Learning: To plan the features of a web page	Learning: To consider the ownership and use of images (copyright)	Learning: To recognise the need to preview pages	Learning: To outline the need for a navigation path	Learning: To recognise the implications of linking to content owned by other people	Summative Assessment	To design and create webpages, giving consideration to copyright, aesthetic, and navigation.	Website HTML (Hypertext Markup Language) Copyright Hyperlink
Year 6 Data and Information- Spreadsheets	2.2	Learning: To create a data set in a spreadsheet	Learning: To build a data set in a spreadsheet	Learning: To explain that formulas can be used to produce calculated data	Learning: To apply formulas to data	Learning: To create a spreadsheet to plan an event	Learning: To choose suitable ways to present data	Summative Assessment	To answer questions by using spreadsheets to organise and calculate data.	Spreadsheet Cell Formula Function