



<b>What is a Computer?</b>	<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
Use the keyboard confidently to type with all fingers			
Use common keyboard shortcuts			
Create and use a strong password where appropriate			
Use more advanced searching techniques when using a search engine (filter)			
Understand that different devices can have different operating systems, and can give examples, e.g. Windows, iOS, Android			
Understand the main functions of an operating system			
Understand common file types and extensions eg doc, jpeg			
<b>Communicating: Text, Images and Multimedia</b>			
Identify and use appropriate hardware and software to fulfil a specific task			
Edit a range of existing and their own media to create content			
Recognise the audience when designing and creating digital content			
Are aware of a range of Internet services, e.g. mail, VOIP (Voice Over Internet Protocol e.g. Skype, FaceTime), World Wide Web, and what they do and their benefits			
Identify success criteria for creating digital content for a given purpose and audience			
Discuss and evaluate their own content against success criteria and make improvements accordingly			
<b>Understanding and Sharing Data</b>			
Independently explore a record database to find selected information			
Identify the differences between data and information			
Choose and apply filters in a database to find out specific information for a purpose			
Describe the benefits of using a computer to create charts and databases			
Explain the role of the internet to share and store information			
Apply information found in a search engine to a database			
Produce a questionnaire independently using a range of data for a specific purpose			
With support, enter data into a database package and test			
Draw conclusions from information stored in a database, table or chart			
<b>Programming and Computational Thinking</b>			
Recognise that different solutions exist for the same problem			



Recognise variables in a program			
Use two-way selection, i.e. <i>if...then...else...</i>			
Create programs including <i>repeat until</i> loops			
Create simple variables, e.g. to keep score or remove lines in a game			
Understand the difference between and use <i>if... then...</i> and <i>if...then...else</i> statements			
Combine a variable with relational operators (<=>) to determine when a program changes, e.g. <i>if score &gt; 5</i> , say “ <i>well done</i> ”			
<b>Online Safety and Digital Literacy</b>			
Know where to find copyright free images and audio, and why this is important			
Demonstrate responsible use of online services and technologies, and know a range of ways to report concerns			
Critically evaluate websites for a reliability of information and authenticity			
Understand what makes a strong password and why this is important at school and in the wider world			
Become increasingly savvy online consumers: know that algorithms are used to track online activities with a view to targeting advertising and information			
Know that there are laws around the age limit to purchase games and view things online			
Know that identity can be copied, modified or altered online and judgments can be made on those identities			
Explain what it means to trust those I communicate with online			