



YEAR 7 CURRICULUM SUMMARY



When?	Knowledge	Understanding	Unit Assessment
Autumn Term 1	File Management, Housekeeping & Basic Word Processing	Demonstrate how to log in to the school network using a Username & Password. Emphasise Security – importance of keeping passwords secure. Describe the Acceptable Use Policy & Agreement. Students work on creating a main home directory and subject folders Demonstrate how to use the main toolbars within a word processing package Demonstrate some of the main WP features Students to work on WP exercises	Homework tasks will be set each week which directly relate to the lessons. These can be found on the homework sheet. Pupils will sit an assessment at the end of the unit which will assess their knowledge, understanding and ability to evaluate the topics covered.
Autumn Term 2	Presentation to an Audience & Collaborating Online Respectfully	Examine some of the features of PowerPoint required to produce an effective slideshow presentation. Students to work on creating a basic slideshow about themselves. Working on the PowerPoint slideshow Students will be working and collaborating online in pairs Consider the digital footprint that users leave online Examine the ways to be respectful online	Homework tasks will be set each week which directly relate to the lessons. These can be found on the homework sheet. Pupils will sit an assessment at the end of the unit which will assess their knowledge, understanding and ability to evaluate the topics covered.
Spring Term 1	Programming	Demonstrate some of the basic features of Scratch. Develop some simple programs.	Homework tasks will be set each week which directly relate to the lessons. These can be found on the homework sheet.



		<p>Investigate the various program instructions in Scratch. Demonstrate how to code a set of instructions. Explain why variables are needed in programming and how they are used. Investigate some examples of assigning values to variables. Create some expressions using selection</p>	<p>Pupils will sit an assessment at the end of the unit which will assess their knowledge, understanding and ability to evaluate the topics covered.</p>
<p>Spring Term 2</p>	<p>Programming</p>	<p>Demonstrate how to create conditional statements in Scratch. Create programs using a range of Logical Comparisons. Deal with outputs that depend on some condition being True or False. Create a Scratch program with some functions and subroutines built-in. Students practise writing individual chunks of code as subroutines Demonstrate the two types of iteration – FOR and WHILE Revisit sequence, selection before moving on to iteration. Write the algorithm for both FOR & WHILE loops. Reinforce the key concepts of sequence, selection and iteration in programming.</p>	<p>Homework tasks will be set each week which directly relate to the lessons. These can be found on the homework sheet.</p> <p>Pupils will sit an assessment at the end of the unit which will assess their knowledge, understanding and ability to evaluate the topics covered.</p>
<p>Summer Term 1</p>	<p>Modelling Data using Spreadsheets</p>	<p>Demonstrate the type of data that can be inserted into a spreadsheet cell – number, alphanumeric or text and formulas.</p>	<p>Homework tasks will be set each week which directly relate to the lessons. These can be found on the homework sheet.</p>



		<p>Write some Excel calculations with mathematical operators. Combine calculations to perform complex mathematical calculations. Look at a range of mathematical problems. Experiment with the two types of formatting – format to change appearance and format to represent Demonstrate how the functions in Excel can be used in different ways Do some exercises using a wide range of functions. Use all the spreadsheet skills learned during this topic and apply them to analysing and presenting data. Combine data from various sheets within the same workbook.</p>	<p>Pupils will sit an assessment at the end of the unit which will assess their knowledge, understanding and ability to evaluate the topics covered.</p>
Summer Term 1	Basic Networking	<p>Describe the components of a computing device Consider the merits and disadvantages of connecting devices together in a network Investigate how hardware is connected to create a network Consider the various types of connection available, both wired and wireless Investigate the roles and functions of a hub, a switch and a router Investigate the different types of network topology available</p>	<p>Homework tasks will be set each week which directly relate to the lessons. These can be found on the homework sheet.</p> <p>Pupils will sit an assessment at the end of the unit which will assess their knowledge, understanding and ability to evaluate the topics covered.</p>