Subject: Information Technology

Year 7	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Unit & length	Introduction to IT		Coding (Scratch in to Python)		Evolution of Computing	
Curriculum outline	Be able to access the various IT systems, create and share documents online. Learn to be safe online and protect your digital identity.		To be able to make the step from block coding to scripting, students will move from packages such as Scratch to scripting languages such as Python. You will create a range of programs, to begin with we will continue to work in Scratch before moving to scripting languages such as Python where you will type the text.		You will research the development of the home computer whilst getting a better understanding of how computers work. To build on your presentation skills you will present your work as an A5 Booklet	
Assessment/s	Weekly online quizzes during lessons. Students produce an online journal that contains evidence of the work completed in the form of screenshots along with annotation to show their technical understanding. You will also carry out a range of homework tasks to ensure you can access the school's online environments remotely.		Weekly online quizzes during lessons. You will be assessed on both the complexity of the code you recreate and your ability to adapt existing code Students produce an online journal that contains evidence of the work completed in the form of screenshots along with annotation to show their technical understanding of coding.		Weekly online quizzes during lessons. Production of A5 folded booklet showing your research into different areas of computing such as: • Components of PC • Memory Storage • Binary processing You will carry out an extended research project into some of the individuals who have pioneered computing, this is set as home learning.	

Year 8	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Unit & length	Adobe Illustrator – Promoting a Cause		MS Office – Creating a Business		Python (Coding)	
Curriculum outline	Using Adobe to create a range of images to promote a cause or charity. You will learn to create graphics using the vector-based software package, Adobe Illustrator.		You will use Microsoft Office to develop a business plan. You will come up with your own idea for a potential business before creating financial plan using Microsoft Excel, PowerPoint and Word.		You will revisit the coding you learned in year 7 and develop more complex pieces of code. You will plan and create an adventure game by using logic statements to create a variety of outcomes.	
Assessment/s	Weekly online quizzes during lessons. Final artwork along with online journal showing screenshots of how you have developed your image. Your ability to use a range of techniques and skills in Adobe Illustrator to create good quality graphics. The quality of annotation in your online journal, statements are both descriptive and reflective.		Weekly online quizzes during lessons. Quality of final products and use of complex formulas in Excel. Use of formal and persuasive writing when using Word. Screenshots in online journal accompanied by annotation showing understanding of software. You will carry out a research project for homework into a company of your own choosing.		Weekly online quizzes during lessons. Quality and complexity of code produced use of conventions such as loops and IF/ELSE statements. Your online journal has screenshots showing your understanding of the code you have produced, along with comments on how it can be improved. Your understanding of creating code that can accessed by other people.	

Year 9	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Unit & length	Game of Life		Historical Website Design		Magazine Design with Adobe InDesign	
Curriculum outline	You will use Excel to help make a personal financial plan, you will have to undertake some research into potential salaries and the cost of living. Using excel you will create spreadsheets that calculate your personal income and expenditure.		You will research a period of history and create a website using Adobe Dreamweaver and HTML code based on your research of period of history. You create the website using HTML and CSS coding		You will learn the skills of creating and editing a magazine using Adobe InDesign. You will learn about the different roles in the publishing industry, whilst using a range of techniques to create magazine based around healthy eating and the impact of food production on the environment.	
Assessment/s	Weekly online quizzes during lessons. Students produce an online journal that contains evidence of the work completed in the form of screenshots along with annotation to show their technical understanding. You will also be assessed on your ability to develop and adapt spreadsheets to suit different financial situations.		Weekly online quizzes during lessons. Students produce an online journal that contains evidence of the work completed in the form of screenshots along with annotation to show their technical understanding. You will also be assessed on your ability to create and adapt various HTML and CSS code.		Weekly online quizzes during lessons. Quality and range of techniques used in your final magazine. Students produce an online journal that contains evidence of the work completed in the form of screenshots along with annotation to show their technical understanding.	

Year 10	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Unit & length	Excel	Introduction to Databases	Advanced HTML and CSS	Advanced Databases	Exam Technique	Exam Technique
Curriculum outline	You will develop your skills using Excel by broadening your range of functions and formulas. You will look at how Excel fits into real life situations and develop your ability to problem solve using data. Theory Types of PC Workings of a PC Types of Software	You will start to develop your understanding of databases using MS Access. You will be able to link tables by creating query's and then link these to reports Theory Networks Input and output devices	Theory lessons will focus on emerging technologies and networks. During practical sessions we will look at developing your HTML skills along with creating hyperlinks and inserting a range of file types into HTML documents	Developing your ability to answer long answer questions in theory paper. You will build on your knowledge of query and reporting techniques by applying these exam style long answer questions.	Theory lessons will build on the topics covered earlier in the year but shift towards how this is assessed in Theory Paper 1. In the practical session we will start to look at how you are assessed for the Papers 2&3 which cover the practical aspects of the course. We will mainly focus on Paper 2 with Word and Access	In theory lessons we will focus on data validation and verification. You will refine your ability to use Word and PowerPoint by completing long answer questions.
Assessment/s	Homework – GCSE Pod and online Google Quizzes Ability to format spreadsheets and develop formulas to solve a broad range of problems.	Homework – GCSE Pod and online Google Quizzes Ability to import and analyse data by setting up query based reports.	Homework – GCSE Pod and online Google Quizzes Complexity of code created in HTML and CSS. Your ability to independently solve problems using HTML and CSS	Homework – GCSE Pod and online Google Quizzes GCSE style theory paper questions. Practical exam past papers.	Homework – GCSE Pod and online Google Quizzes GCSE style theory paper questions. Practical exam past papers.	Homework – GCSE Pod and online Google Quizzes GCSE style theory paper questions. Practical exam past papers.

Year 11	Autumn A	Autumn B	Spring A	Spring B	Summer A	Spring B
Unit & length	Presentations	Exam Technique	Exam Technique	Exam Technique		
Curriculum outline	Theory Systems and Control	We will focus on the practical assessment paying attention to developing your pace and the being strategic in the order in which you answer the questions. You will focus on all aspects of the practical paper: Excel Access Web design Word Presentations	We will focus on the practical assessment paying attention to developing your pace and the being strategic in the order in which you answer the questions. You will focus on all aspects of the practical paper: Excel Access Web design Word Presentations	We will focus on the practical assessment paying attention to developing your pace and the being strategic in the order in which you answer the questions. You will focus on all aspects of the practical paper: Excel Access Web design Word Presentations		
Assessment/s	Homework – GCSE Pod and online Google Quizzes GCSE style theory paper questions. Practical exam past papers.	Homework – GCSE Pod and online Google Quizzes GCSE style theory paper questions. Practical exam past papers.	Homework – GCSE Pod and online Google Quizzes GCSE style theory paper questions. Practical exam past papers.	Homework – GCSE Pod and online Google Quizzes GCSE style theory paper questions. Practical exam past papers.		