	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Digital literacy	Programming		Computing concepts	Computers and the law	Spreadsheets
	Introduction and refresher on computer use, focusing on school systems, security, file management, e-mail, cloud storage, word processing and presentations, web searching and bias. This unit quips all students with the digital literacy skills they need for much of their school work Some students have very limited exposure to general personal computer use and may only have basic digital literacy skills related to smartphone/tablet use.	Students are introduced to sequenced pr Use of basic commands and structures a with a larger project that brings these sk This unit forms the basis of problem forms the basis of the entire field of programming formally at this point knowledge of syntax and command Some students will already be familiar w progress quickly through the initial work, additional skills in the features they prog	re built-up in a series of small challenges, ills together to make a small game.  decomposition and automation that Computer Science: introducing (but with reduced burden of full words)  ith some basic programming, and will having the chance to develop and show ram into their game.	computers represent data, including numbers, text, and images, explore the basic of hardware and software, communications and computer networks.  After the introduction of programming, the uses of computers, and with some basic digital literacy, students can begin to understand how the technology	misuse act, the copyright act, harassment, defamation, health and safety, and also issues related to social engineering. Students work with a variety of scenarios and attempt to apply and interpret the law. Adding context for computers' place in the world and keeping students informed of the	Students learn to use spreadsheet software to store, organise, format, and process information for a specific purpose: students will create a small financial plan for a party.  Abstracting a real-world situation into data forms a key part of much of the future programming work students will complete. Managing, organising, and processing this data is also useful in a variety of other educational contexts.  Many students will not have used/seen a spreadsheet previous to this point
	Formative assessment of information bias	Summative assessment of programming Formative assessment of game projects a Formative peer and self-assessment of fi staff		Y7 exam tests this knowledge (as well as programming skills)	Summative assessment of legal scenarios Formative assessment of phishing e-mail	Summative assessment of basic skills Formative assessment of spreadsheet at half-way point

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 8	Impacts of Computing	mpacts of Computing Mobile app development		Physical Computing	Computing concepts 2	Introduction to text-based programming
	Students study the impact technology has had on society, they also consider how future technology could impact society.  Adding context for computers' place in the world and keeping students informed of the responsible use of technology	In a world where there's an app for ever the learners from designer to project ma their own mobile app. Using App Lab froi themselves with a new coding environme the programming concepts they develope their project. Students will consider the rinto smaller, more manageable parts, an the project against the needs of the user This unit builds on Block-based progbased programming from Year 8. It be developed through the experience	nager to developer in order to create m code.org, students will familiarise ent and have an opportunity to build on ed in previous units before undertaking needs of the user, decompose the project d finish off by evaluating the success of the user, allows a deeper understanding to	algorithms and programs to create their	Students continue to look at how computers represent data, including numbers, text, and images, explore hardware and software, and communications and computer networks in more depth.  This unit builds on Computing Concepts 1 from Year 7 and allows a deeper understanding to be pursued later in the curriculum.	This unit is an introduction to programming in a text-based language designed to make programming more approachable for beginners. It starts by introducing a virtual turtle robot, leading to the use of variables and loops. Simple programs using the Text window are used to introduce input, output and selection. Students will become familiar with programming statements while having fun producing coloured graphics and making a simple screensaver.  This unit builds on Block-based programming from Year 7 and the mobile-app development in Y8.
	Summative assessment of report with whole-class formative feedback Summative and formative assessment of presentation	Summative assessment of App at midwar Formative assessment of projects at half Formative peer and self-assessment of fi staff End of unit test		Summative assessment of completed programs and evaluation sheets.	Y8 exam tests this knowledge (as well as programming skills)	Summative assessment of programs at midway point. Formative assessment of programs at half-way point Formative peer and self-assessment of final product, summative assessment from staff End of unit test

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 9	Procedural programming: basics	Procedural programming: projects #1		Computing concepts	Procedural programming: projects #2	
	commands and structures for a text- based programming language in a real- world development environment. <b>The</b>	Students begin to create small programs focus at this stage is on implementation decomposition or abstraction of problems structure and data representation st Y8 are further reinforced here.	of the logic for automation, not s. The skills in programming cudents have already seen in Y7 and	Students look at data representation in more depth, as well as more specific and detailed studies of the impact of key technologies on society.  These concepts begin to move the mostly-theoretical knowledge students have developed in Y7 and Y8 into real-world concepts.	Students are introduced to fully procedur structures.  This expands on and reinforces all p the final foundations for all program	revious programming work and lays
	Summative assessment of programming tasks, with whole-class formative feedback and Directed Improvement and Reflection Time	Summative assessment of programming feedback and Directed Improvement and		Y9 exam tests this knowledge (as well as programming skills)	Summative assessment of programming feedback and Directed Improvement and	