

Data Entry Deadlines		HT							X-mas							HT							Easter					HT														
Week Beg.		01-Nov	08-Nov	15-Nov	22-Nov	29-Nov	06-Dec	13-Dec	03-Jan	10-Jan	17-Jan	24-Jan	31-Jan	07-Feb	14-Feb	28-Feb	07-Mar	14-Mar	21-Mar	28-Mar	04-Apr	25-Apr	02-May	09-May	16-May	23-May	06-Jun	13-Jun	20-Jun	27-Jun	04-Jul	11-Jul	18-Jul									
Year 7 (Class of 2026)		Online Safety & How the web works							Hardware & Software							Data & Algorithms							Circuits & Programming					Scratch 1: Algorithms					Scratch 2: Advanced									
30-Aug		using technology safely & testing							Defining a computer							Computational thinking							Binary & Boolean Logic					Introduction to programming					Problem solving & Sub-routines									
06-Sep		Penrice Expectations							Input & output devices							Understand algorithms							Embedded systems					Sequence and variables					Condition-controlled loops									
13-Sep		Online safety							Input & output devices							Data and Algorithms							Programming fundamentals					Selection					Lists									
20-Sep		Recognising inappropriate content							The CPU and storage							Data and binary							IF ELSE statements + knowledge test					Operators					End of Year Assessment									
27-Sep		Website reliability							Internal & external storage							Data and images							Programming constructs - Sequence & selection					Count-controlled iteration					Assessment - Lanugages Quiz									
04-Oct		History of computing							Software & Operating systems							The 8-bit challenge							Programming constructs - Iteration					DIT														
11-Oct		Future of Computing							Assessment and DIT							Assessment & DIT																										
Year 8 (Class of 2025)		Systems Life Cycle							Introduction to Python							Next Steps Python							Data, Fetch, Execute & Decode Cycle					Data security &					Creative design project									
30-Aug		Intro to control systems, Sensors and behaviours (real life), Flowchart symbols.							Variables and output							Lists							Calculating and converting binary/denary/hex Boolean Logic AND OR NOT					Data companies: you and your data					Under attack & Assessment									
06-Sep		Intro to Flow, Computational thinking and solving a sequence problem							Variables and input							Lists: adding, removing, modify							Boolean logic and some of its uses in circuits and programming					Social engineering					Creative project: house design									
13-Sep		Flow - Sub routines							Sequence							Iteration using while loops							Binary Representation Text, Sound & Images					Exploiting computer systems					Google Sketch-up: create									
20-Sep		Flow - Selection							Selection							Iteration: for-loop							Fetch decode execute cycle (VNA recap)					Malware					Google Sketch-up: create									
27-Sep		Flow - Iteration							Iteration							Assessment Practical Project							Operating systems					Network risks					End of Year Assessment									
04-Oct		Assessment							Functions and behaviours							Assessment Practical Project & Test							How they communicate with one another and					DIT														
11-Oct		DIT/DIRT/Feedback							Sequence, selection and iteration							Wrap-up & DIT																										
Year 9 Business (Class of 2024) 2x lessons per fortnight		Purpose of Enterprise							Characteristics of Enterprise							C1 LAA							Market Research					C1 LAB					Promotion									
30-Aug		What is enterprise?							Industry sectors							Aims and Objectives							Assessment C1 LAA					Understanding customers & competitor					LAA & LAB final submissions									
06-Sep		Purpose of enterprise							Ethics (Social & political pressures)							Mission statements & purpose							Assessment C1 LAA					Assessment Practice & Planning					Promotional Mix: Advertising									
13-Sep		Competitors & stakeholders							Customer service							Business Planning Overview							Assessment C1 LAA					Assessment C1: LAB					Sales promotion & personal selling									
20-Sep		Role of enterprise							Ownership Types							Tenner Challenge Planning							Assessment C1 LAA DIT					Assessment C1: LAB					Public relations & direct marketing									
27-Sep		Entrepreneurs							Ownership pros & cons							Tenner Challenge Planning							Market Research Purpose, Quantitative					Assessment C1: LAB					Market & Segmentation									
04-Oct		Entrepreneurs							Assessment							Assessment C1 LAA							Primary research					Assessment C1 LAB DIT					EOY Assessment & DIT									
11-Oct		Value added							DIT							Secondary research							Secondary research																			
Year 9 Computer Science (Class of 2024) 2x lessons per fortnight		What is Computer Science?							Bebras Challenge							Boolean Logic							Data storage - Sound					Operating systems					Threats to computer systems and									
30-Aug		Computational thinking Aptitude and Spatial testing							Computer Systems							Boolean Logic calculations							Cryptograpy Challenge					Systems software					Identifying vulnerabilities									
06-Sep		Computational thinking							Central processing Unit CPU							Units of storage							Embedded systems					Peripheral management					Identifying and preventing vulner									
13-Sep		Abstraction							CPU performance							Data storage - Numbers							Uses and examples of embedded					Defensive design					Identifying and preventing vulner									
20-Sep		Computational thinking Decomposition							Knowledge check & DIT							Data storage - Numbers							Oxford Challenge					Threats to computer systems					Cryptograpy Challenge									
27-Sep		Designing, creating and refining algorithms							Vodaphone creators challenge							Data storage - Characters							FXP Challenge										Ethical, legal, cultural and envir									
04-Oct		2.1.1 Knowledge check & DIT																																								
11-Oct		EU Code Challenge																																								
YEAR 10 Business (Class of 2023) 4x lessons		C3 LAC							C3 LAB							C3 Promotion revision							C2: LAB plan & pitch					C1 LAA					C1 LAB									
30-Aug		Financial records							Business plan: Risk & contingency							Enterprise & Entrepreneurship							Secondary research					Internal Factors					Assessment C1 LAC									
06-Sep		Payment methods: revenue & costs							Assessment C2: LAA							Ownership: Aims & objectives							Quantitative & Qualitative					External Factors					Assessment C1 LAC									
13-Sep		Cashflow forecasts							Assessment C2: LAA							Assessment C1 LAA							Assessment C1 LAB					Measures of Success					Assessment C1 LAC									
20-Sep		Cashflow problems & solving							Presentation skills							Assessment C1 LAA							Assessment C1 LAB					Assessment planning					Assessment C1 LAC									
27-Sep		Breakeven							Assessment C2: LAB							Re-submissions							C1 LAC overview					Assessment C1 LAB					Assessment C1 LAC									
04-Oct		Breakeven analysis							Assessment C2: LAB							Market Research Purpose												Assessment C1 LAB					Assessment C1 LAC									
11-Oct		Sours of finance							Re-submissions C2: LAB							Primary research							Assessment C1 LAB resubmissions					Assessment C1 LAB					Assessment C1 LAC									
YEAR 10 Computer Science (Class of 2023) 4x lessons		Computational thinking, Abstraction, decomposition and algorithmic thinking							Binary search, linear search							The use of basic string manipulation							Simple logic diagrams					The purpose and types of testing, Suitable test data					Refining algorithms to make them more robust programming language									
30-Aug		Structure diagrams, Pseudocode and flowcharts							Bubble sort, merge sort, insertion sort							The use of basic file handling operations							Truth tables					The purpose of translators					Characteristics of compilers and interpreters									
06-Sep		Identifying errors and suggesting fixes, Trace tables							Assessment Searching and sorting algorithms							The use of records to store data. The use of SQL to search for data							Combining Boolean operators					Assessment					IDES									
13-Sep		Assessment							DIT/DIRT/Feedback							How to use sub programs							Assessment					DIT/DIRT/Feedback					Programming challenge									
20-Sep		The use of variables, constants, inputs, outputs and assignments							The common arithmetic and comparison operators							Defensive design considerations and maintainability							DIT/DIRT/Feedback																			
27-Sep		The use of the three basic programming constructs							The common Boolean operators							Designing and refining algorithms							Applying logical operators in truth tables to solve problems																			
04-Oct																																										
11-Oct																																										

YEAR 11 Computer Science (Class of 2022) 4xlessons	YEAR 11 Business (Class of 2022) 4xlessons
<p>Networks and topologies</p> <p>Wired and wireless networks, protocols and layers</p> <p>Threats to computer systems and networks</p> <p>Identifying and preventing vulnerabilities</p> <p>Operating systems and Utility software</p> <p>Assessment</p> <p>DIT/DIRT/Feedback</p>	<p>C2 – LAB Business Plan Section 5 & 7</p> <p>C2 – LAB Plan and pitch</p> <p>Financial documents</p> <p>Payment methods</p> <p>Sources of revenue and costs</p> <p>Knowledge test and exam strategy C3 LAB</p> <p>Profitability and liquidity</p> <p>Cash flow data</p> <p>Financial forecasting</p> <p>Breakeven</p> <p>Breakeven Analysis</p>
<p>Languages and IDEs</p> <p>Component 1 - Walking talking practice</p> <p>Component 2 - Walking talking practice</p>	<p>Promotion</p> <p>Knowledge test & exam strategy</p> <p>Assessment LAB & LAC</p>
PPES	
<p>DIT/DIRT/Feedback</p> <p>Algorithms</p> <p>Algorithms</p>	<p>Types of Research</p> <p>Types of Research</p> <p>Assessment C1 LAB</p>
<p>Programming fundamentals</p> <p>Programming fundamentals</p> <p>Producing robust programs</p> <p>Boolean logic</p> <p>Boolean logic</p>	<p>Assessment C1 LAB</p> <p>Revision</p> <p>Revision</p> <p>EXAM</p>
<p>Programming languages and Integrated Development Environments</p> <p>Systems architecture</p> <p>Memory and storage</p> <p>Computer networks, connections and protocols</p> <p>Network security</p> <p>Systems software</p>	<p>Internal Factors</p> <p>External Factors</p> <p>SWOT Analysis</p> <p>PEST Analysis</p> <p>Measures of Success</p> <p>Assessment planning</p> <p>Assessment</p>
<p>Ethical, legal, cultural and environmental impacts of digital technology</p> <p>Revision</p> <p>Revision</p> <p>Revision</p>	<p>Assessment</p> <p>Assessment</p> <p>C1 LAC Corrections</p> <p>C1 LAC Corrections</p>
GCSE Exams	
GCSE Exams	