Summative Assessment Planning Grid

Year 12 Computer Science			
	Summative Assessment 1 (Data for Progress Point 1)	**Summative Assessment 2 (Data for Progress Point 2)**	**Summative Assessment 3 (Data for Progress Point 3)**
Assessed Knowledge *What is the declarative (essential) knowledge that will be tested in this assessment?*	**Algorithms** Types of algorithms Computational thinking Flowcharts basics Pseudocode basics Relational operators Arithmetic operators Flowcharts advanced Pseudocode advanced Searching algorithms Sorting algorithms Flowcharts advanced Pseudocode advanced Searching algorithms Sorting algorithms **Programming** Variables and constants Annotations Concatenation Inputs and outputs Selection	**Previously assessed content plus:** **Programming** Iteration Basic procedures Basic functions Basic string manipulation Nested iteration Advanced procedures Advanced functions String manipulation Text files **Systems** Hardware and software Operating systems Translators Logic gates Boolean algebra Fetch decode execute cycle Processor instruction set External hardware	**Previously assessed content plus:** **Programming** OOP fundamentals (theory) Encapsulation (theory) Polymorphism (theory) Inheritance (theory) AS level Skeleton code **Networks** Communication basics Topologies Client server model IP addressing Firewall, VPN and Proxy

	Data Representation Number Systems Binary numbers including fixed and floating point numbers Representation of text, images and sound Compression Encryption		
Method of Assessment	Class Examination	Hall Examination	Hall Examination
Dates of Assessment	Week 9 Monday 3rd – Friday 7th October	Week 23 Monday 2nd March – Friday 6th March	Week 36 Monday 22nd June – Friday 26th June

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Year 13 Computer Science			
	Summative Assessment 1 (Data for Progress Point 1)	**Summative Assessment 2 (Data for Progress Point 2)**	**Summative Assessment 3 (Data for Progress Point 3)**
Assessed Knowledge *What is the declarative (essential) knowledge that will be tested in this assessment?*	**Previously assessed knowledge plus:** **Programming** OOP fundamentals (Practical) Encapsulation (Practical) Polymorphism (Practical) Inheritance (Practical) Advanced OOP Classes and objects A Level skeleton code	**Previously assessed knowledge plus:** **Programming** All aspects of programming will be assessed. **Algorithms** All aspects of algorithms will be assessed. **Data structures** Stacks and Queues Graphs and Trees Traversals **Models of computation** FSM Turing machine **Regular expressions** **Relational Databases** Setup SQL Select SQL insert, update, delete	

Method of Assessment	Hall Examination	Hall Examination	
Dates of Assessment	Monday 10th November – Friday 14th November	Monday 2nd March – Friday 6th March	