

Year 11

Timing	Unit Title	Key Question	Knowledge	Assessing Understanding
Autumn Term	P7 – Advanced Programming	How do I tackle longer programs	• 2d Array handling • Methods • Parameter Passing • Global and local variables	How understanding is assessedesd : • AS-Style AM Challenges sheet to test students' ability to comprehend and modify a substantial program Skills • 2D array programming • Writing procedural and functional methods • Handling parameters Assessment point information Progress data is collected and stored each lesson, along with comments on individuals, and will be taken together with marks from the written exercise.
Autumn Term	T7 – Translators and facilities of Languages	How do computer languages work and how should they best be used?	• Compilation / Interpretation / Assembly • Features of IDEs • SQL	How understanding is assessed : • Written exercise • Progress is monitored and recorded during lessons Skills • Ability to write SQL queries Assessment point information Progress data is collected and stored each lesson, along with comments on individuals, and will be taken together with marks from the written exercise.

Autumn Term	P8 – Robust Programming	How do we try to ensure that programs work	Robust programming techniques	How understanding is assessed : - Progress is monitored and recorded during lessons Skills - Full and correct use of validation - Ability to test thoroughly Assessment point information Progress data is collected and stored each lesson, along with comments on individuals.
Autumn Term	T8 – Security Basics	What are the threats to security and how do we deal with them?	- Social engineering - Technical flaws and attacks - Software and methods for keeping safe	How understanding is assessed : - Google tests to check understanding - Progress is monitored and recorded during lessons Skills - Ability to analyse practical situations

				Assessment point information Progress data is collected and stored each lesson, along with comments on individuals, and will be taken together with marks from the Google tests.
	P9 - Algorithms	What are algorithms and how are they used ,most effectively	• Standard algorithms – sorting and searching • Use of algorithms – decomposition and abstraction • Testing of algorithms and standard pseudocode notation	How understanding is assessed : • Formal written test • Progress is monitored and recorded during lessons Skills • Decomposition of given problems • Dry running Assessment point information Progress data is collected and stored each lesson, along with comments on individuals, and will be taken together with marks from the formal test.

Autumn Term	N1 – PP Preparation	How do we maximise our chances in the PP	• Programming revision • ‘Telling the story’ during implementation	How understanding is assessed : • Mock project exercise Skills • Writing and running test plans • Writing implementation story Assessment point information • In-lesson data is collected
Spring Term	CR – continuous Revision	How is my knowledge in the theory units?	• Content as chosen by Department as potentially problematic	How understanding is assessed : • CR sheets are marked and new CR sheets generated based on performance Skills • Exam technique Assessment point information • The grades for these sheets will feed into an AP.

Spring Term	Programming Project	Can I solve a larger problem?	• Programming Skills • Testing	How understanding is assessed : No assessment Skills • Programming skills in C# • A Level Project skills developed Assessment point information No assessment
Spring/summer Term	Final Revision	DO I know all the material? Can I get all the marks?	• All GCSE Theory for both Units	How understanding is assessed : • Weekly homeworks Skills • Exam technique Assessment point information Grades from the sheets feed into the final AP