



Computing Curriculum Plan Overview



Year 11

Term	Topic	Learning	How can parents' best support
Autumn 1	Python Programming Project Prep	Being able to use python to write simple programs <ul style="list-style-type: none"> • Print Function and Syntax errors • Input function and variables and String concatenation • Doing maths with Python and Casting Types and printing to multiple lines • IF statements • 'For' loops, while loops 	Let students access the GROK app on their phone Using the free Python learn APP available on all platforms
Assessment:	<u>GROK challenges after each section</u>		
Autumn 2	Python Programming Project	Planning the programming project Working with a scenario / client brief and writing code to meet a need Project Evaluation	This is a controlled assessment period so limited support outside the classroom is required
Assessment:	<u>Controlled Python Project</u>		
Spring 1	Legal Issues and Environmental Impact	Looking at how Computer Science affects people in everyday use, what laws and guidelines we have to be aware of. <ul style="list-style-type: none"> • Social Media • Censorship and Surveillance • Privacy and Cultural Issues • legislation • Environment 	Access the OCR video series - watch the videos together then talk about them afterwards Access Seneca online learning Access the OR online text book with exam type questions Provide an old PC they can take apart and explore how the components fit together
Assessment:	<u>Google Classroom tasks</u>		
Spring 2	Networks	<ul style="list-style-type: none"> • Types of Networks • Topologies • Client Server - Peer to Peer • Protocols and layers • The Internet • Network Security and Threats 	Access the OCR video series - watch the videos together then talk about them afterwards Access Seneca online learning Access the OR online text book with exam type questions

Assessment:	<u>Google Classroom tasks</u>		
Summer 1	Algorithm and Psuedo code	<ul style="list-style-type: none"> ● Psuedo Code ● Algorithm Concepts ● Types of Error ● Deciphering Pseudo code ● Variables and Constants 	Access the OCR video series - watch the videos together then talk about them afterwards Access Seneca online learning Access the OR online text book with exam type questions
Assessment	Googlr classroom tasks		
Summer 2	Revision till Exam	.Will recap any topics that have been problematic and topics from year 10	Access the OCR video series - watch the videos together then talk about them afterwards Access Seneca online learning Access the OR online text book with exam type questions
<u>Assessment</u>		<u>Mock exams followed</u> <u>GCSE exams</u>	