Year 9 ICT/Computing Program of Study

The Year 9 ICT Computing curriculum aims to prepare students for the ICT or Computing GCSE. Students learn advanced Spreadsheet skills. The Theory topics are taught to GCSE level. This is the first time the year 9 students are learning text based coding, therefore the Python and Small basic units. Summative Assessment is carried out at the end of each topic.

Term	Topic	What is Covered?
Autumn 1	Spreadsheet Modelling	• Computer Models • Creating a Financial Model • What If Scenarios • Conditional Formatting and Validations • Macro's and Charts
Autumn 2	Modelling in Small Basic	• Introduction (recap of Year 8) • Calculations and Functions • Selection • Loops • Using Subroutines to build a model • Evaluating the Model
Spring 1	Computer Crime and Cyber Security	• Email Scams • Hacking • Protecting Personal Data • Copyright • Health and Safety
Spring 2	Python Next Steps	• The Basics (Recap of Year 8) • Loops • Lists • Procedures • Functions
Summer 1	Graphics	• Introduction to Vector Graphics • Bitmap Images • Conveying Meaning • Effects and Enhancements • Adding Text
Summer 2	Computer Theory	• Binary • Binary Addition • Parts of a Computer • CPU • Computer Networks