

Overview of Year Group Curriculum Information
for JFS Website 2016-17

Subject:

Computing

Key Stage 3

YG	Autumn Term	Spring Term	Summer Term
Year 7	<ul style="list-style-type: none"> • E-safety and network introduction • Hour of Code: development of programming techniques. • Presentation: how to create effective presentations. 	<ul style="list-style-type: none"> • Scratch: introduction to the Scratch programming language. 	<ul style="list-style-type: none"> • Spreadsheet Modelling: use of spreadsheets to develop simple computer models. • Collaborative project with Movie Maker: production of a short film trailer.
Year 8	<ul style="list-style-type: none"> • Web design: introduction to simple HTML programming through the development of a website. 	<ul style="list-style-type: none"> • Programming with Logicator: development of programming techniques. • Spreadsheet modelling: development of computer modelling. 	<ul style="list-style-type: none"> • Radio Advert: design and production of a promotional radio advert.
Year 9	<ul style="list-style-type: none"> • VBA Quiz: introduction to Visual Basic language, development of an interactive quiz. 	<ul style="list-style-type: none"> • Computing project: use of databases, spreadsheets, graphic design, podcasting and website creation to create a project on personal fitness. 	<ul style="list-style-type: none"> • Programming with Python: introduction to the Python programming language with students ultimately producing a computer game.

Key Stage 4

YG	Autumn Term	Spring Term	Summer Term
Year 10	<ul style="list-style-type: none"> • Fundamentals of computer systems • Computer Communications and networking • Preparation for Practical Investigation 	<ul style="list-style-type: none"> • Practical investigation controlled assessment 	<ul style="list-style-type: none"> • Representation of data in computer systems • Computer hardware • Software
Year 11	<ul style="list-style-type: none"> • Preparation for Programming task controlled assessment • Programming task controlled assessment 	<ul style="list-style-type: none"> • Databases • Software • Examination Preparation 	

SIXTH FORM

YG	Autumn Term	Spring Term	Summer Term
Year 12	<ul style="list-style-type: none"> • Computational thinking. • Problem solving: programming techniques and algorithms. • Computer systems: programming language, Software, applications. 	<ul style="list-style-type: none"> • Computer systems: data types, computer arithmetic, data structures, logic gates, Boolean algebra, databases, data transmission and the internet. 	<ul style="list-style-type: none"> • Legal, ethical, moral and social issues. • Preparation for computing project.
Year 13	<ul style="list-style-type: none"> • Computer systems: further development of theory. • Computing project 	<ul style="list-style-type: none"> • Examination technique and revision 	