

Computing Department

Mr K Doran (KDO) Curriculum Leader for Computing

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Computing

Departmental Curriculum Intent

To equip students to use computational thinking and digital creativity to understand and change the world.

- To ensure students are responsible, competent, confident and creative users of information and communication technology.
- Students can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- Students understand and apply the fundamental principles and concepts of computer science
- Students can analyse problems in computational terms and write computer programs in order to solve such problems.

KS3 Curriculum

	Autumn Term		Spring Term		Summer Term	
Year 7	Induction	E-Safety	Algorithms	Programming (Scratch)	Spreadsheets	Computer Systems
Year 8	E-Safety	Programming (Python)	Graphic Design	Data Representation	Networks	Algorithms
Year 9	Cybersecurity	Programming (Python)	Website Design	Data Representation	Databases	Animation

KS4 Computer Science Curriculum

	Autumn Term		Spring Term		Summer Term
Year 10	Computer Systems	Programming	Data Representation	Algorithms	Networks
Year 11	Cybersecurity	Programming (Python)	Databases	Revision	Exam

iMedia

Curriculum Intent

To equip our students with a range of creative media skills and provide opportunities to develop transferable skills such as research, planning, and review, working with others and communicating creative concepts effectively.

KS4 iMedia Curriculum

The Creative iMedia course is split up into 3 parts for the J834 Certificate (a full GCSE):

Year 10	Visual identity and digital graphics - coursework module worth 30% of your final grade Interactive digital media - coursework module worth 30% of your final grade
Year 11	Creative I-media in the Media Industry - exam assessed module worth 40% of your final grade

KS4 Business Studies

Edexcel GCSE

Curriculum Intent

- Provide an insight into a multitude of business sectors and departments.
- Provide students with a sound understanding of the factors which impact on the success of a business.

KS4 Business Curriculum

	Autumn Term		Spring Term		Summer Term	
Year 10	Enterprise & entrepreneurship	Spotting a business opportunity	Putting a business idea into practice	Making the business effective	Understanding external influences	Retrieval and elaboration practice Theme 1
Year 11	Growing a business	Making marketing decisions	Making operational decisions	Making financial decisions	Making human resources decisions	Exam