

Limavady Grammar School



AS Options Booklet 2019

Art and Design			
A level exam	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	50% of AS 20% of A level	TEACHER ASSESSED with external moderation	Experimental Portfolio
AS Module 2	50% of AS 20% of A level	TEACHER ASSESSED with external moderation	Personal Outcome
A2 Module 1	60% of A2 36% of A level	TEACHER ASSESSED with external moderation	Personal and critical investigation Practical investigation 40% of A2, 24% of A level Written investigation 20% of A2, 12% of A level
A2 Module 2	40% of A2 24% of A level	TEACHER ASSESSED with external moderation	Thematic outcome

Career opportunities:	<p>Students holding an A level in Art & Design can use their skills in many areas of design including:</p> <p>Art and Design teacher, Advertising Art Director, Artist, Animator, Architect, Blacksmith, Ceramics Designer, Illustrator, Costume Designer, Fashion Designer, Fashion/Advertising, Games Designer, Photographer, Footwear Designer, Furniture Designer, Hairdresser, Window Dresser, Glass Designer, Graphic Designer, Web Designer, Product Designer, Occupational Therapist, Medical Illustrator, Set Designer, Special Effects Designer.</p>
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Entry requirements:	Grade A in GCSE Art and Design is preferred and a good portfolio with a broad spectrum of work is essential.
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Other information:	<p>Students will</p> <ul style="list-style-type: none"> develop knowledge, understanding and awareness of the purpose of art, craft and design in a variety of contexts through their own work and the research of others' work have opportunities to actively engage in the creative process of art, craft and design, developing their creative, imaginative and intuitive capabilities, critical and reflective thinking skills and technical skills be encouraged to work independently and with a broad range of media to experiment, take risks and refine ideas and outcomes <p>You can produce work in 2D, 3D, fine art and design, including drawing, painting, graphic design, textile design, lens-based media, critical and contextual studies, 3D design and sculpture.</p>
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Subject	Biology		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	37.5% of AS 15% of A level	External written exam 1 hour 30 mins at the end of Year 13	Molecules and Cells
AS Module 2	37.5% of AS 15% of A level	External written exam 1 hour 30 mins at the end of Year 13	Organisms and Biodiversity
AS Module 3	25% of AS 10% of A level	External written exam assessing practical skills 1 hour+ Internal practical assessment	Practical skills
A2 Module 1	24% of A level	External written examination 2 hours 15 mins at the end of Year 14	Physiology, Co-ordination and Control, and Ecosystems
A2 Module 2	24% of A level	External written examination 2 hours 15 mins at the end of Year 14	Biochemistry, Genetics and Evolutionary Trends
A2 Module 3	12% of A level	External written examination assessing practical skills + 1 hour 15 mins Internal practical assessment	Practical skills

Career opportunities:	Fields of medicine, nursing, dentistry, veterinary science, speech and language therapy, pharmacology, physiology, biomedical science, forensic science and agriculture.
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Entry requirements:	<ul style="list-style-type: none"> • If TA studied, minimum of 75% in Biology and minimum of 70% in Chemistry • If DA studied, minimum of 75% in Biology component and minimum of 70% in chemistry component. • Admission to Biology, if over-subscribed, will follow the Sixth Form Admissions Criteria
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Subject	Chemistry		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	40% AS 16% A Level	1hr30mins	Basic Concepts in Physical and Inorganic Chemistry
AS Module 2	40% AS 16% A Level	1hr30mins	Further Physical and Inorganic Chemistry and Introduction to Organic Chemistry
AS Module 3	20% AS 8% A Level	Booklet A 1hr15mins Booklet B 1hr15mins	Basic Practical Chemistry
A2 Module 1	40% A2 24% A level	2hrs	Further Physical and Organic Chemistry
A2 Module 2	40% A2 24% A level	2hrs	Analytical, Transition metals, Electrochemistry and Organic Nitrogen Chemistry
A2 Module 3	20% A2 12% A level	Booklet A 1hr15mins Booklet B 1hr15mins	Further Practical Chemistry

Career opportunities:	<p>Health -Pharmaceuticals, Medicine, Dentistry, Veterinary Science, Nursing and other Healthcare Professions.</p> <p>Engineering – in particular chemical engineering</p> <p>Analytical – including Forensic Science, Toxicology, Clinical Biochemistry</p> <p>Food Science and Agriculture – chemistry is helping us cope with increasing pressures on food, water and other natural resources.</p> <p>Materials – incorporating Nanotechnology and Polymer Technology. The development of new materials is the foundation of advances in electronics, sports and many other areas.</p>
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Entry requirements:	<ul style="list-style-type: none"> • B grade in GCSE Chemistry • Minimum of 80% in the Chemistry component for GCSE Double Award Science. • Admission to chemistry, if over-subscribed, will follow the Sixth Form Admissions Criteria
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Construction (Level 3 Subsidiary Diploma) at NWRC			
Exam board	EDEXCEL		
	% Of Diploma	How is it assessed?	Module Title:
Year 13	50% of Diploma	Coursework – internally assessed	Health, Safety and Welfare in Construction and the Built Environment Sustainable Construction Construction, Technology and Design
Year 14	50% of Diploma	Coursework – internally assessed	Science and Materials Surveying in Construction and the Built Environment Building Technology

Career opportunities:	Construction related employment, further study such as BTEC Higher Nationals in Construction, Civil Engineering or Building Services Engineering, relevant degree course.
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Entry requirements:	It would be helpful to have a GCSE mathematical and/or design-related subject at Grade C .
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Other information:	Award grade: Distinction * 56 UCAS points Distinction 48 UCAS points Merit - 32 UCAS points Pass - 16 UCAS points This is normally a 2 year course, but it is possible to claim a Certificate at the end of Year 1 without proceeding to Diploma level.
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Subject	Digital Technology		
A-Level exam board	CCEA		
	% Of AS/A2 grade	How is it assessed?	Unit Title:
AS Module 1	50% of AS 20% of A-Level	External Examination (1½ hours)	AS 1: Approaches to Systems Development
AS Module 2	50% of AS 20% of A-Level	External Examination (1½ hours)	AS 2: Fundamentals of Digital Technology
A2 Module 1	40% of A-Level	External Examination (2½ hours)	A2 1: Information Systems
A2 Module 2	20% of A-Level	Internal assessment	A2 2: Application Development (Case Study)

Career opportunities:	<p>Opportunities for employment in the Computing/Digital Technology industry have never been better. There is an incredibly high demand in Northern Ireland, and further afield, for the skills and abilities that can be developed through this subject. Career avenues may include: Web Designer/Developer, Multimedia Designer, On-line publishing (editorial/design) and User Interface Design.</p>
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Entry requirements:	<ul style="list-style-type: none"> ▪ There is no specific requirement to have studied GCSE DT although it is an advantage. Students who do not have GCSE DT must have displayed a commitment to his/her studies, ability to meet deadlines and a willingness to learn. ▪ It is expected that those students already holding a GCSE will have obtained a minimum of 70%.
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Engineering (Level 3 Subsidiary Diploma) at NWRC			
Exam board	EDEXCEL		
	% of Diploma	How is it assessed?	Module Title:
YEAR 13	50% of Diploma	Written and practical coursework. Internally assessed and externally verified	Health and Safety in the Engineering Workplace (mandatory) Mathematics for Engineering Technicians Secondary and Finishing Engineering Techniques
YEAR 14	50% of Diploma	Written and practical coursework. Internally assessed and externally verified	Computer Aided Drafting in Engineering Mechanical Principles and Applications Applications of Mechanical systems in Engineering

Career opportunities:	Engineering, design, technology.
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Entry requirements:	It would be helpful to have a mathematical and/or design-related subject at Grade C GCSE. Students who have not taken the GCSE Mathematics T6 paper may find difficulty with the mathematical aspects of this course.
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Other information:	Award grade: Distinction * 56 UCAS points Distinction 48 UCAS points Merit - 32 UCAS points Pass - 16 UCAS points This is normally a 2 year course, but it is possible to claim a Certificate at the end of Year 1 without proceeding to Diploma level.
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Subject	English Literature		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	60%AS 24% A level	External written examination 2 hours at end of year 13	The Study of Poetry 1900-Present and Drama 1900-Present
AS Module 2	40% AS 16% A Level	External written examination 1 hour at end of year13	The Study of Prose Pre 1900
A2 Module 1	20% of A level	External written examination 1 hour 30 mins	Shakespearean Genres
A2 Module 2	20% of A level	External written examination 2 hours	The Study of Poetry Pre 1900 and Unseen Poetry
A2 Module 3	20% of A level	Internal Assessment	Internal Assessment based on Prose

Career opportunities:	English Literature could be useful in any career, as it provides strong evidence of good communication skills. All branches of the legal profession; broadcasting; journalism; theatre; publishing; translating; education; marketing and advertising.
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Entry requirements:	At least good B grades in GCSE English Language and GCSE English Literature: a minimum of 70% of final mark in both subjects.
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Other information:	All students of English Literature share a love of the subject and have an ability to read widely and independently. This, in turn, develops a breadth of skills required in the modern world.
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Subject	Further Mathematics		
A level exam board	CCEA		
	% of AS (or A2 grade)	How is it assessed?	Module Title:
AS Module 1	50 (20% of A level)	1½ hour exam	Pure Mathematics
AS Module 2	50 (20% of A level)	1½ hour exam	Applied Mathematics
A2 Module 1	30 % of A level	2¼ hour exam	Pure Mathematics
A2 Module 2	30 % of A level	2¼ hour exam	Applied Mathematics

Career opportunities:	This subject is suitable for students hoping to follow a career in Mathematics or a related area like Engineering.
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Entry requirements:	Those students wishing to study Further Mathematics should have a flair for the subject and it is expected that they have achieved high grades in both Mathematics and Further Mathematics at GCSE – at least A grades in both.
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Subject	Geography		
A level exam board	CCEA		
	% of total A level	How is it assessed?	Module Title:
AS Module 1	16%	Exam 1 hour 15 mins	Physical Geography
AS Module 2	16%	Exam 1 hour 15 mins	Human Geography
AS Module 3	8%	Exam 1 hour	Fieldwork Skills and Techniques in Geography
A2 Module 1	24%	Exam 1 hour 30 mins	Physical Processes, Landforms and Management
A2 Module 2	24%	Exam 1 hour 30 mins	Processes and Issues in Human Geography
A2 Module 3	12%	Exam 1 hour 30 mins	Decision Making in Geography

Career opportunities:	There are a large number of careers where the study of Geography would be considered a distinct advantage, for example, Architecture, the Civil Service, Civil Engineering Marketing, Town and Country planning, Transport and Communications, Tourism, the Armed Services and Civil Aviation. However, Geography graduates are also increasingly finding that their skills open up careers for them in Accountancy, Banking, Insurance and Law.
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Entry requirements:	A GCSE in Geography is a pre-requisite for the A-level course. The physical topics in particular, demand a knowledge of terminology and processes that builds on GCSE understanding.
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Other information:	Geography is concerned with providing a spatial perspective on the world. It allows the Science specialist to develop important literacy skills, and the Arts specialist to develop skills in numeracy and graphical work.
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Subject	Government and Politics		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	40% of AS 16% of A level	1 written exam lasting 1 hr 15 mins in the Summer of Yr 13	The Government and Politics of Northern Ireland
AS Module 2	60% of AS 24% of A level	1 written exam lasting 1 hr 45 mins in the Summer of Yr 13	The British Political Process
A2 Module 1	35% of A level	1 written exam lasting 2 hrs 15 mins in the Summer of Yr 14	Comparative Study of the Government and Politics of the USA and the UK
A2 Module 2	25% of A level	1 written exam lasting 1 hr 30 mins in the Summer of Yr 14	Political Power

Career opportunities:	<p>Jobs directly related to a degree in Politics include:</p> <ul style="list-style-type: none"> • Civil Service • Government social research officer • Politician's assistant • Public affairs consultant • Public relations account executive • Social researcher 	<p>Jobs where a degree in Politics would be useful include:</p> <ul style="list-style-type: none"> • Human resources officer • Local government officer • Market researcher • Marketing executive • Newspaper journalist • Public relations officer • Stockbroker
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Entry requirements:	A grade of C* in GCSE History is preferred. Students must be interested in researching political stories and events using a range of media. Any other entry will be at the discretion of the Head of Department.
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Other information:	<p>Trips to London Westminster and Stormont Parliament Buildings may be offered.</p> <p>Visits from MLAs and Councillors.</p> <p>Local trips to 'Let's Talk' events.</p> <p>Support for essay competitions and Debating.</p>
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Health and Social Care at NWRC

A Level Exam board	CCEA		
	% Of AS or A2 Grade	How is it assessed?	Module Title:
AS	40% of overall A Level	Portfolio assessment Portfolio assessment Externally assessed	Promoting Positive Care Communications Health and Well Being
A2	60% of overall A Level	Portfolio assessment Externally assessed Portfolio assessment	Monitoring Body Systems Providing Services Supporting the Family

Career opportunities:	Health, Social Care, Early Years provision.
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Entry requirements:	It would be helpful to have a good GCSE grade in English or any subject showing evidence of extended writing.
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Other information:	This subject offers a number of learning opportunities which will provide candidates with a choice of assessment methods suitable for their needs/strengths. There will be occasions to interact with the health, social care and early-years sectors, allowing candidates the chance to experience the work environment through learning.
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Subject	History		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	50% of AS 20% of A level	1 written exam lasting 1 hr 30 mins in the Summer of Yr 13	Weimar and Nazi Germany 1933-1945
AS Module 2	50% of AS 20% of A level	1 written exam lasting 1 hr 30 mins in the Summer of Yr 13	Russia 1914-1941
A2 Module 1	20% of A level	1 written exam lasting 1 hr in the summer of Y14	The Causes and Consequences of Great Power Conflict 1848-1945
A2 Module 2	40% of A level	1 written exam lasting 2 hrs 30 mins in the Summer of Yr 14	Partition of Ireland 1900-25

Career opportunities:	<p>Jobs directly related to a History degree include:</p> <ul style="list-style-type: none"> • Heritage manager • Historic buildings inspector/conservation officer • Museum education officer • Museum/gallery curator • Museum/gallery exhibitions officer • Secondary school teacher <p>Jobs where a History degree would be useful include:</p> <ul style="list-style-type: none"> • Academic librarian • Archaeologist • Archivist • Journalist • Civil Service administrator • Information officer • Politician's assistant/researcher • Publishing • Solicitor • Primary School Teacher
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Entry requirements	It is essential that students studying A level History should have completed the GCSE course achieving at least a C* grade. Any other entry will be at the discretion of the Head of Department, and interview with the HoD is compulsory on this occasion.
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Other information	The History department also supports students in preparation for essay competitions and debates. Students are also supported through the Law Society and external projects which include opportunities to develop research skills, working with others and opportunities for foreign travel.
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Subject	Life and Health Sciences		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS 1	33.34% of AS 13.34% of A level	Internal Assessment	Experimental Techniques
AS 2	33.33% of AS 13.33% of A level	External Written Exam 1 hr 30 min	Human Body Systems
AS 3	33.33% of AS 13.33% of A level	External Written Exam 1 hr 30 min	Aspects of Physical Chemistry in Industrial Processes
A2 1	20% of A level	Internal Assessment	Scientific Method, Investigation, Analysis and Evaluation
A2 2	20% of A level	External Written Exam 1 hr 45 min	Organic Chemistry
A2 Optional Unit	20% of A level	External Written Exam 1 hr 45 min	Likely option is Genetics, Stem cell research and Cloning (but may vary)

Career Opportunities:

Life and health science related industries such as pharmaceutical, chemical and NHS (25% of NI total economic output)

NB: Early indication from the universities is that Life and Health Science will be accepted as a 'Science' subject for courses such as Nursing but not for courses such as Medicine, Pharmacy and Dentistry. We strongly recommend that you check the entry requirements for your desired career path.

Entry Requirements:

Minimum of BB in Double Award Science (to include a minimum of 70% in the Biology and Chemistry components) and a minimum of 70% in GCSE Maths.

Other information:

Whilst Life & Health Sciences taken with a pure science is not a prohibited combination, it should be noted that some universities will NOT treat them as 2 separate subjects. Students must check entry requirements before embarking upon such a combination.

Subject	Mathematics		
A level exam board	CCEA		
	% of AS (or A2 grade)	How is it assessed?	Module Title:
AS Module 1	60 (24% of A2)	1¼ hour exam	Pure Mathematics
AS Module 2	40 (16% of A2)	1¼ hour exam	Applied Mathematics
A2 Module 1	36% of A level	2½ hour exam	Pure Mathematics
A2 Module 2	24% of A level	1½ hour exam	Applied Mathematics

Career opportunities:	As one of the STEM subjects Mathematics opens doors to employment and higher educational courses and opportunities to learn about the relevance of Mathematics to everyday life. Mathematics can lead to careers in finance, business, IT and teaching among others.
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Entry requirements:	A grade B in Further Mathematics or A* or high grade A at GCSE (UMS score at least 340).
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Other information:	Mathematics is the bedrock of other subjects including the Sciences, Economics and Engineering and is extremely relevant to subjects like Psychology and Technology and Design.
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Subject	Modern Languages		
A level exam board	CCEA French and Spanish		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	30% (AS) 12% (A)	11 minute exam at the end of Year 13	Speaking
AS Module 2	40% (AS) 16% (A)	2 hour exam at the end of Year 13	Listening, Reading and Use of Language
AS Module 3	30% (AS) 12% (A)	1 hour exam at the end of Year 13	Extended Writing
A2 Module 1	18% of A level	15 minute exam at the end of Year 14	Speaking
A2 Module 2	24% of A level	2 hour 45 minute exam at the end of Year 14	Listening and Reading
A2 Module 3	18% of A level	1 hour exam at the end of Year 14	Extended Writing

Career opportunities:	Teaching, Travel and Tourism, Journalism, Business, Banking and Finance, Interpreting and Translation, Diplomatic Service, Law, Engineering, Politics and International Relations, Foreign Aid and Charity Work
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Entry requirements:	Pupils wishing to study languages at AS and/or A Level should have attained a minimum of a B grade in the appropriate language at GCSE and should have been entered for the higher tier in all GCSE language modules.
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Other information:	It is hoped that students studying one or more languages at AS/A Level will have the opportunity to spend some time in the country of the language that they are studying on either an exchange or a short visit.
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Moving Image Arts at LHS			
A Level Exam board	CCEA		
	% Of AS or A2 Grade	How is it assessed?	Module Title:
AS 1	24% of overall A level	Portfolio – film production	Realist and Formalist Techniques and Classical Hollywood
AS 2	16% of overall A level	Online examination	Critical Response
A2 1	36% of overall A level	Portfolio – film production	Creative Production and Research
A2 2	24% of overall A level	Online examination	Advanced Critical Response

Career opportunities:	This subject is an ideal choice for students wishing to pursue a career in the creative industries where independence, originality, creative enterprise and technical skill are valued and promoted.
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Entry requirements:	<p>In the event of oversubscription, LGS pupils will be selected from the following criteria:</p> <ol style="list-style-type: none"> 1. Those pupils who have initially chosen the subject at Careers Interview in Year 12. 2. Those who have achieved a grade A or B in English Literature (ranked by Uniform Mark Score). <p>If places are still available, the following criteria will be applied in order:</p> <ol style="list-style-type: none"> 3. Those pupils who achieve a grade C in English Literature will then be considered if they have a pass grade in Art and Design (ranked by UMS) 4. All other pupils who have studied English Literature (ranked by UMS) 5. All other pupils who have studied Art (ranked by UMS) 6. All other pupils (ranked by overall GCSE performance)
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Other information:	This course will enable students to develop creative and critical abilities in writing, directing, editing, producing and analysing films from a broad range of contexts and disciplines.
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Subject	Music		
A level exam board	CCEA		
	% of Total A level grade	How is it assessed?	Module Title:
AS Module 1	13%	Solo Performance of 5 to 7 minutes and a viva voce, visiting examiner	Performing
AS Module 2	13%	Composition of 1½ to 2½ minutes, 1000 word commentary. Internal assessment external moderation	Composing
AS Module 3	14%	1 hour test of aural perception 2 hour written examination	Responding to Music
A2 Module 1	19.5%	Solo performance of 8 to 10 minutes and a viva voce, visiting examiner	Performing
A2 Module 2	19.5%	Composition task or composing with technology task, 1200 word commentary, external assessment	Composing
A2 Module 3	21%	1 hour 15 minute test of aural perception 2 hour written examination	Responding to Music

Career opportunities:	<ul style="list-style-type: none"> • Creative Arts: encompassing music, teaching, therapy, writing and arts administration • Education: private and public sector including schools, further and higher education • Media: expanding opportunities in television, radio, film, corporate production and interactive media
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Entry requirements:	Entry to AS with a grade B or higher at GCSE. Entry without GCSE may be considered in some cases through discussion with the Head of Department.
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Other information:	All prospective students considering Music must discuss their suitability for the course with the Head of Department.
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Subject	Nutrition and Food Science		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	50% of AS 20% of A Level	1 hour 30 minutes exam at the end of Year 13	Principles of Nutrition
AS Module 2	50% of AS 20% of A Level	1 hour 30 minutes exam at the end of Year 13	Diet, Lifestyle and Health
A2 Module 1	30% of A level	2 hour 30 minutes exam at the end of Year 14	Food Safety and Quality
A2 Module 2	30% of A level	Internally assessed assignment	Research based project on a topic of individual choice

Career opportunities:	Dietetics, Human Nutrition, Food Science and Technology, Food Design, Environmental Health, Food product Development
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Entry requirements:	Minimum 70 % in GCSE Food and Nutrition (examination component) or Grade BB in Double Award Science, with at least 70% in one of the science subjects.
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Other information:	Nutrition and Food Science is currently high in the public's perception and there is no better time to develop knowledge and understanding of the subject, given the current global and national food issues.
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Performing Arts at LHS

A Level Exam board	CCEA		
	% Of AS or A2 Grade	How is it assessed?	Module Title:
AS 1	24% of overall A level	Internally assessed, externally moderated	Developing Skills and Repertoire
AS 2	16% of overall A level	Externally assessed	Planning and Realising a Performing Arts Event
A2 1	36% of overall A level	Internally assessed, externally moderated	Planning for Employment
A2 2	24% of overall A level	Externally assessed	Performing to a Commission Brief

Career opportunities:	Performing Arts – Drama, Dance, Special effects, Journalism, Set design
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Entry requirements:	No formal qualifications required.
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Other information:	<ul style="list-style-type: none"> • Students have the opportunity to develop specialist knowledge, understanding and skills in either performance or production. • Students choose one discipline, within either performance or production, to develop through AS and A2. • Students investigate employment opportunities and working methods linked to industry practice, providing a sound basis for progression to further training and/or study. • Assessment at A2 includes stretch and challenge reflected in working to a commission brief, undertaking an administrative role, synoptic assessment and extended writing.
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Subject	Physics		
A level exam board	CCEA		
	% of A Level	How is it assessed?	Module Title:
AS Module 1	16%	1 hr 45 min paper	Forces, Energy and Electricity
AS Module 2	16%	1 hr 45 min paper	Waves, Photons and Astronomy
AS Module 3	8%	2 x 1 hour papers	Practical Techniques and Data Analysis
A2 Module 1	24%	2 hour paper	Deformation of Solids, Thermal Physics, Circular Motion, Oscillations and Atomic and Nuclear Physics
A2 Module 2	24%	2 hour paper	Fields, Capacitors and Particle Physics
A2 Module 3	12%	2 x 1 hour papers	Practical Techniques and Data Analysis

Career opportunities:	Engineering (mechanical, civil, electrical and aerospace), medicine, sciences, research, teaching, nursing, dentistry, veterinary science, technology, forensic science, medical physics, radiography, finance, computer science and material science
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Entry requirements:	<ul style="list-style-type: none"> • Grade B in GCSE Physics (TA). • Those who have achieved minimum BB in DA will be offered the opportunity to study this subject if they have achieved 80% or more in the Physics component or the equivalent. • Grade A in Mathematics. Pupils with a B Grade (within 3% of an A) may be considered if DA Physics mark is considered outstanding. • All others achieving AA, AB or BB will be considered in rank order of achievement in Physics and at the discretion of the Head of Department • Admission to Physics, if oversubscribed, will follow the sixth form admissions criteria.
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Other information:	Physics is a highly regarded subject and develops many high order skills which are sought after by higher and further education and employers.
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Subject	Religious Studies		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	50% of AS (20% of whole A level)	1 written exam lasting 1 hr 20mins in Summer of Year 13	An introduction to the Gospel of Luke
AS Module 2	50% of AS (20% of whole A level)	1 written exam lasting 1 hr 20mins in Summer of Year 13	Foundations of Ethics with Special Reference to Issues in Medical Ethics
A2 Module 1	50% of A2 (30% of whole A level)	1 written exam lasting 2 hours in Summer of Year 14	Themes in the Synoptic Gospels
A2 Module 2	50% of A2 (30% of whole A level)	1 written exam lasting 2 hours in Summer of Year 14	Global Ethics

Career opportunities:	<p>Religious Studies teaches the skill of presenting an argument as well as listening to and understanding others point of view.</p> <p>It is therefore a brilliant choice for students who are interested in working with people and arguing a case.</p> <p>e.g. Law, Medicine, Nursing, Health Care, Journalism, Primary Teaching, Youth Work, Politics, Psychology, Counselling, Secondary Teaching, Sports Psychology, Business, Management, Digital Ethics.</p>
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Entry requirements:	<ul style="list-style-type: none"> • A mark of 70% or above is desirable in either Full or Short Course Religious Studies GCSE OR • An interest in the subject and a minimum of 70% in English Language, Literature or History at GCSE. • An interest in reading, extended writing, thinking critically and expressing your own opinion.
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Other information:	Religious Studies is current and relevant to issues being addressed in the news and gives pupils opportunity to develop an understanding of the world around them and why people have differing opinions and beliefs.
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Subject	Sports Science & the Active Leisure Industry		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	60% of AS (24% A2)	COURSEWORK	Sports Science & the Active Leisure Industry: Fitness & Training for Sport
AS Module 2	40% of AS (14% A2)	External written exam at the end of Y13 (2hrs)	Sports Science & the Active Leisure Industry: Health, Fitness & Lifestyle
A2 Module 1	60% of A2	COURSEWORK	Sports Science & the Active Leisure Industry: Event Management in the Active Leisure Industry
A2 Module 2	40% of A2	External Written Exam at the end of Y14 (2hrs)	Sports Science & the Active Leisure Industry: The application of Science to Sports Performance

Career opportunities:	<p>This qualification is accepted by most universities as an A level entry for sport related courses. The onus is on the student to check university entrance criteria before committing.</p> <p>It can open up a wide range of opportunities in higher education which will help you begin a successful career, for example as a PE teacher, sports development officer or physiotherapist.</p> <p>You can also choose to pursue a career as a personal trainer, leisure centre manager or a sports coach.</p> <p>In this course you will develop your knowledge, understanding and skills in research, analysis, planning, time management, event management, problem-solving and communication as a coach or instructor.</p>
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Entry requirements:	<p>All students wishing to study this course at A level must:</p> <ul style="list-style-type: none"> • be an active participant in at least one sport inside or outside of school; • have a proven record of meeting deadlines and commitment to his/her studies. <p>Those who have taken GCSE PE must have:</p> <ul style="list-style-type: none"> • achieved at least a C* in both GCSE PE and GCSE English language; • studied DAS and achieved at least 65% in the Biology component of the course. <p>If a student has not studied GCSE PE, then they must have:</p> <ul style="list-style-type: none"> • achieved at least a B in English Language; • studied DAS and achieved at least 70% in the Biology Component.
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Other information:	<p>By studying this course, you will develop an understanding of sports science and the active leisure industry relating specifically to Sport and Recreation and Health and Fitness. Leisure is one of the fastest growing industries in the world today, with gym and indoor sports facility use becoming a way of life. This course will give you the opportunity to gain an insight into a fast growing leisure environment.</p>
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Subject	SSD (Software Systems Development)		
A-Level exam board	CCEA		
	% Of AS/A2 grade	How is it assessed?	Unit Title:
AS Module 1	50% of AS 20% of A-Level	External Examination (2 hours)	AS 1: Introduction to Object Oriented Development
AS Module 2	50% of AS 20% of A-Level	Internal assessment	AS 2: Event Driven Programming
A2 Module 1	30% of A-Level	External Examination (2 hours)	A2 1: Systems Approaches and Database Concepts
A2 Module 2	30% of A-Level	Internal assessment	A2 2: Implementing Solutions (Case Study)

Career opportunities:	Opportunities for employment in the Computing industry have never been better. There is an incredibly high demand in Northern Ireland, and further afield, for the skills and abilities that can be developed through this subject. Career opportunities may include game design, database programmer/administrator, programmer, security analyst, software developer, software engineer, digital forensics and big data analytics.
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Entry requirements:	<ul style="list-style-type: none"> ▪ It is a requirement that anyone who wishes to study SSD at A-Level has studied DT (Programming) to GCSE and has a minimum of 70% in this subject. ▪ It is also a requirement that anyone considering this subject should have at least a Grade B in GCSE Mathematics and, because of the need to be able to apply mathematical skills of problem solving and logic, a Grade A is recommended. ▪ It is also strongly recommended that pupils taking Software Systems Development to A level have studied Further Mathematics at GCSE. ▪ It is recommended that students who undertake this course should also be studying either Physics and/or Mathematics at A level.
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Other information:	Northern Ireland has already established a reputation for being a regional centre for excellence in IT. Over the last ten years, the region has attracted the investment of some of the largest companies in the world, several of whom have established their entire IT divisions here in the province. This trend is set to continue as more and more companies realise the high quality of graduates our education system is producing. Software engineers are currently in high demand in Northern Ireland with the overwhelming majority of graduates gaining permanent employment once they graduate from university. These jobs are often well-paid and offer very competitive benefits packages and in some cases, opportunities for travel within the company. A level Software Systems Development was introduced to try to encourage and foster development of object-oriented programming skills, a key requirement for anyone considering not only a career in IT but indeed any STEM-related career. There are many jobs which require an understanding of object-oriented programming even though it is clearly not a core requirement e.g. engineering.
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Subject	Technology and Design		
A level exam board	CCEA		
	% Of AS or A2 grade	How is it assessed?	Module Title:
AS Module 1	50% of AS 20% of A level	One external written examination consisting of two papers: Paper 1: Core area of study Paper 2: Specialist area of study	Design and Materials Option: Systems and Control
AS Module 2	50% of AS 20% of A level	Internal assessment Students complete one task, producing a practical outcome with a design folder.	Coursework: Product Development
A2 Module 1	30% of A level	External written examination 2 hours Students answer two questions from either Section A, Section B or Section C.	Systems and Control
A2 Module 2	30% of A level	Internal assessment Students complete one task, producing a practical outcome with a design folder.	Coursework: Product–System Design and Manufacture

Career opportunities:	Technology combined with Maths and Physics is an excellent choice for engineering based careers. With a firm background in electronics, materials, mechanisms, fluid control, manufacturing and computing, technology has proven to be beneficial for students studying a wide range of subjects at university. Past students have gone on to study a vast range of subjects including Computer Science, Electrical Engineering, Civil Engineering, Mechanical Engineering, Information Technology, Education and Software Engineering.
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Entry requirements:	Essential criteria: a good grade B in GCSE Technology (310 plus) and a strong background in Physics or Maths. Desirable criteria: an A or A* in GCSE Technology and an A or A* in Physics or Maths.
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Other information:	<p>The A Level is comprised of four units, the first two making up an AS-Level, which can be awarded as a discrete qualification. The A2 comprises a further two units and completes the full A-Level qualification.</p> <p>Unit 1 examines Product Design and Systems and Control (Mechanisms, Pneumatics and Electronics. Since we specialise in two of these areas at GCSE, students will benefit as a large section of the specification will be known to them). This unit is assessed by one examination at the end of Year 13.</p> <p>Unit 2 is a re-design project chosen by the student, folio and product will be presented and assessed at the end of Year 13.</p> <p>Students who proceed to the full A-Level will study two further units which combine to manufacture a practical project with the Design and Manufacture elements assessed separately. This project is internally assessed at the end of Year 14.</p> <p>The final assessment of the Technology A-Level will be A2 examination, which is a continuation of the Mechanisms/Pneumatics or Electronics studied in A/S Unit 1.</p> <p>Coursework accounts for 50% of the full A-Level.</p>
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