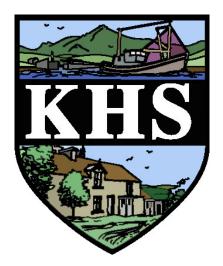
## Kilkeel High School



## Key Stage 5 Curriculum



2020 - 2022

Creating Opportunity ~ Realising Potential ~ Developing Individuals



KILKEEL HIGH SCHOOL

## Dear Student,

This Sixth Form Booklet has been specially compiled to help you as you transfer from GCSE to post-16 education and begin to prepare for your 'A', 'AS' and / or Applied GCE 'A' choices. In the process you will have to make some important decisions about your subject preferences. Already from your KS 4 Careers' Programme your knowledge and understanding about possible career choices were increased; in the next few weeks you will have to make up your mind as to which route and which subjects would be suitable for you.

In this Booklet you will find:

- information telling you about the various examination subjects and levels we are able to offer in L6 and U6;
- o other subjects and courses which will broaden and enrich your curriculum;
- $\circ \quad$  and some helpful advice and guidance about how to choose.

## SOME 'DO's' and 'DO NOT's'

## DO:

- Read through the Booklet carefully and discuss with your parents, teachers, Careers' staff and friends. If there are areas which you do not understand, please contact us and we will offer as much help as we can.
- $\circ$   $\;$  Choose subjects that you enjoy and in which you have had some success.

## BE CAREFUL!

Choosing a subject that fits your idea of a 'glamorous' career may be dangerous; it may be a subject which you find difficult and in which you are not really interested. If this particular subject is a requirement for the career you think you might like, then that career is possibly not the best choice for you.

## DO NOT:

Choose subjects because your friends are choosing them or because you think you may have a particular teacher for that subject.

## **REMEMBER:**

YOU are the person who will have to do the studying and NOT anyone else! The decisions you are about to make are important; please choose with care.

## BACKGROUND

Following the review of post-16 provision (in N Ireland by CCEA and the Department of Education), a **Qualifications' Framework** has now been developed in order to clarify the different options available to young people.

The following is a summary :

LEVELS OF ATTAINMENT	GENERAL QUALIFICATION	GENERAL VOCATIONAL QUALIFICATIONS	OCCUPATIONAL QUALIFICATIONS
HIGHER LEVELS 4 and 5		RTHER and HIGH ON / TRAINING / EMPL	
LEVEL 3 ADVANCED	GCE 'A' and 'AS'	APPLIED GCE 'A' and 'AS'	NVQ 3
LEVEL 2 INTERMEDIATE	GCSE Grades A* - C	APPLIED GCSE Grades A* - C	NVQ 2
LEVEL 1 FOUNDATION	GCSE Grades D - G	APPLIED GCSE Grades D - G	NVQ 1

## INTRODUCTION

The range of qualifications provided by Kilkeel High School for the Sixth Form has been developed to :

- a. allow you to choose programmes which meet your needs and gain credit for your achievements;
- b. ensure that the qualifications offered to you are worthwhile and valued;
- c. enable you, where desirable and appropriate, to mix and match different types of qualifications;
- d. encourage you to achieve qualifications in Key Skills;
- e. offer clear progression routes into further and higher education, training and employment. (Sixth Form is not just to prepare you for college/university; it is to encourage you to take your qualifications as far as possible!)

Increased breadth of curriculum is advised for all students. This will involve:

- (a) studying a wider range of subjects;
- (b) increasing the range and types of qualifications which you obtain;
- (c) developing competence in Key Skill areas;
- (d) continuing to participate in the school's Enrichment Programme;
- (e) having access to high quality careers' advice.

How does study at Advanced level differ from GCSE?

- At GCSE, students study 9 / 10 subjects.
- At Advanced level, students study 3/4 subjects, but to much greater depth.
- At A level students, are expected to study for approximately 3 hours a night, 5 nights a week.
- At A level students are expected to take more responsibility for their own work and use Private Study wisely.
- At A level students are expected to apply understanding, to analyse and evaluate. To develop these skills students will need to undertake independent study (e.g. extra questions and/or background reading).

## L6 CURRICULUM, 2020 - 2022

## 'A' and 'AS' GCE subjects offered :

ART and DESIGN BIOLOGY APPLIED BUSINESS CHEMISTRY DIGITAL TECHNOLOGIES ENGLISH LITERATURE FRENCH GEOGRAPHY \*HEALTH and SOCIAL CARE HISTORY MATHEMATICS \*MOVING IMAGE ARTS NUTRITION AND FOOD SCIENCE \*PERFORMING ARTS PHYSICS \*PSYCHOLOGY RELIGIOUS STUDIES TECHNOLOGY and DESIGN

## A Level Equivalent subjects

PE – SPORT (BTEC = 1 x AS/A level) \*ENGINEERING (BTEC = 1 x AS/A Level) \* MUSIC TECHNOLOGY (BTEC = 1 x AS/A Level)

\* Subjects offered in conjunction with St Louis GS

We have organised a Sixth Form Information Afternoon (Wednesday,  $19^{th}$  March, 2.00 - 3.00) when staff will be available to give advice on subjects, etc. Year 12 students will then have a final opportunity to select their FOUR subjects in order of preference and these will be arranged and time-tabled in Option Blocks ready for the August interviews. At that point students will have their GCSE results and will make their choices from the Option blocks time-tabled.

## Parents are welcome to attend.

Please have this booklet with you.

## PLEASE NOTE:

As the school is obliged to run all courses in a cost-effective manner, it may be necessary to change the above offer if there is insufficient uptake.

## ENRICHMENT PROGRAMME

An important aspect of post-16 curriculum provision here in Kilkeel High School has always been the range of enrichment studies which we have offered. Such programmes play a significant part in the general educational, personal and vocational development of our young people. They also provide valuable opportunities for our students to gather evidence for competence in Key Skills, particularly 'Working with Others' and 'Improving own Learning and Performance'.

The following subjects/areas will be available :

Physical Education and Games; Personal, Social and Health Education; Careers' Education; Peer Tutoring; PSNI Traffic Branch Presentation; Volunteering Opportunities;

## ENTRY REQUIREMENTS

## GCE 'A' and 'AS' courses

FIVE or more GCSE passes at Grades A\* - C are required as a minimum with at least a Grade C in the chosen Sixth-Form subjects (Grades A\*, A and B will always provide a much better base for 'A' and 'AS' level studies.)

## Applied 'A' courses (Advanced GCE)

FOUR GCSE passes at Grades A\* - C, including as far as possible English and Mathematics, are required.

The above are general guidelines. Those students who opt for a combination of GCE 'A' / 'AS' and Applied 'A' subjects will be required to have achieved the five or more GCSE passes at Grades  $A^*$  - C.

## ACTION NOW REQUIRED

Students should study this booklet, paying particular attention to the subject descriptions and requirements, and, in consultation with Careers' staff, subject teachers and parents, make their own informed choices.

**In L6**, **four subjects**, one from each of four of the five Option Choices, **should be chosen**, leading to 'AS' qualifications or equivalent at the end of the year.

In U6, only three of these subjects should be continued, leading to the full 'A' qualification in these subjects.

## N.B.

- (i) If a student hopes to follow mainly an Applied (Vocational) route, e.g. choosing both Information Technology and Business, he/she may opt for only **one** other subject (to 'AS' and 'A' levels).
- (ii) Students with lower GCSE results (mainly Grade C) may opt to follow only **three** subjects in the L6 year (to 'AS' level).
- (iii) The COPE qualification may be taken in lieu of a fourth subject.

GCSE results will be taken into consideration as well as aspirations for the future when decisions about individual subject choices are being made during the August interviews for Sixth Form entry.

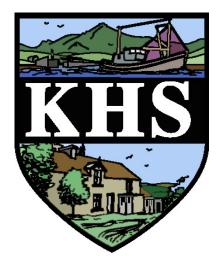
It is essential that the student opts to follow a post-16 programme commensurate with his/her own individual ability.

As always, ALL students wishing to return to school for Sixth Form studies MUST be willing to adhere to the school's rules on behaviour, attendance, appearance and dress!

## EDUCATIONAL MAINTENANCE ALLOWANCES

Sixth-Form students may apply for these allowances (up to £30 per week) + bonuses (2 x £100 each year)

## Kilkeel High School



# CAREERS' ADVICE

Creating Opportunity ~ Realising Potential ~ Developing Individuals

## HOW DO I CHOOSE MY SUBJECTS FOR 'A' AND 'AS'?

## ADVICE:

When choosing your subjects for 'A' and 'AS' levels, you should use EXACTLY the same criteria as you did when you were choosing your subjects for GCSE i.e.

## 1. CHOOSE SUBJECTS WHICH YOU LIKE

You will be studying a small number of subjects in considerable depth: therefore, it is only sensible to choose subjects which you will enjoy.

## 2. CHOOSE SUBJECTS WHICH YOU ARE GOOD AT

Your GCSE results will provide a good guide, but you should also take into account your performance over the previous five years. In general, you should have achieved a high grade in GCSE in those subjects which you would wish to choose – minimum is a 'C'; better if it is a 'B', or even an 'A'!

## 3. FIND OUT WHAT STUDYING THE SUBJECT REALLY INVOLVES

There can be big differences between a GCSE and A level. Look carefully at the syllabus, even if it's a subject you have already studied, and look at the way it's taught and assessed. With new subjects check out whether they share any similarities with other subjects, or with extra curricular activities you currently like. Try to talk to year 13/14 students about their experiences.

## 4. CHECK YOUR COMBINATION OF SUBJECTS

Ensure that the combination of subjects you choose meets the requirements of any careers or courses that you are considering. You can do this and still keep your options open - very few careers or courses specify more than one or two subjects within their overall requirements.

## 5. CHECK OUT WHETHER THE SYLLABUS PLAYS TO YOUR STRENGTHS

If examinations are your forte, for example, a predominantly coursework based A level might not be a good option. Talk to your current teachers for an honest, informed assessment of your potential in individual subjects.

## 6. CHOOSE SUBJECTS WHICH YOU WILL NEED FOR YOUR CAREER

If you know what you want to do there is no problem. If you have not yet decided on a career, you should try to keep your options open. On the sheet overleaf, the most common careers are mentioned in relation to subjects needed; if you are interested in other careers or if you need more guidance, please speak to the Careers' teachers or the Careers' Officer.

## WHAT'S ESSENTIAL? WHAT'S PREFERRED? WHAT'S USEFUL?

Bear in mind that some careers and courses need particular 'A' levels.

- Engineering/Technology requires Maths and Physics.
- Medicine requires Chemistry, plus at least one other Science preferably Biology.
- Health care professions such as physiotherapy look for Biology.
- For many degrees like English, French, Maths you will normally need an A level in this subject.
- For others like Law, Psychology, or Economics, no prior knowledge is required, though it's useful to study a similar subject to show your aptitudes and interest.
- For many careers or courses, no subjects are specifically required but there are a number that could be useful.
- Vocationally linked 'A' levels in subjects like Business Studies are not required for careers or courses in that area, but can be a useful way of testing out and demonstrating an interest without totally committing yourself to one occupational area.

## **USEFUL WEBSITES**

Check out the prospectus on the following sites.

- Queen's University, Belfast <u>www.qub.ac.uk</u>
- University of Ulster <u>www.ulster.ac.uk</u>
- Stranmillis University College <u>www.stran.ac.uk</u>
- Agricultural College (Greenmount and Loughry.)- <u>www.cafre.ac.uk</u>
- Southern Regional College (Newry Tech) <u>www.src.ac.uk</u>
- South Eastern Regional College (East Down Institute) <u>www.serc.ac.uk</u>
- Good advice can be found at <u>www.careersserviceni.com</u>

## WHAT IS THE RUSSELL GROUP? WHAT ARE FACILITATING SUBJECTS?

The Russell Group is a collection of 24 British public universities which are committed to the highest standards of academic excellence in both teaching and research. Queen's University, Belfast is a member of the Russell Group. The Russell Group has published Informed Choices, a guide for students making decisions about their education after the age of 16

## (http://www.russellgroup.org/InformedChoices-latest.pdf).

Some courses at universities require applicants to have studied certain subjects already, so you should be clear how your choices at school and college may close off certain subjects at university. Within Informed Choices they list subjects that are usually considered by universities to be helpful and/or required at A-level for particular courses. Some A-Level subjects are more frequently required for entry to degree courses than others. They call these subjects 'facilitating' because choosing them at advanced level leaves open a wide range of options for university study.

## A GUIDE TO NI UNIVERSITY COURSES

## QUEEN'S UNIVERSITY, BELFAST

QUB COURSE	GCSE Requirements	A LEVEL Requirements	2019 TARIFF
Medicine/Dentistry	All science subjects are recommended	Chemistry, plus at least one from Biology, Maths, Physics. If Biology is not offered at A2, it must be an AS	AAA + A (AS)
Pharmacy/ Pharmaceutical Sciences	Biology	Chemistry, plus at least one from Biology, Maths or Physics. If Biology is not offered at A2, it is preferred at AS	AAB - BBB
Engineering (all disciplines)	Mathematics, Physics	Maths and one science subject (Physics preferred)	AAB-BBB (depending on type)
Architecture	Maths, a broad spread of scientific, creative and language-based subjects is desirable	No specific subjects. If you do not offer Art at GCSE or A level, you may be invited for a portfolio interview	ААВ
Structural Engineering with Architecture	Physics (Grade B)	Maths and at least one from Biology, Chemistry, Geography, ICT, Physics or Software Systems Development	AAB
Actuarial Science	English, Maths (B)	Maths	A*AA or AAA+ A (AS)
Agricultural Technology	Maths, Chemistry (if not offered at A level)	Biology or Chemistry	ABB - BBB
Chemistry	Maths, Chemistry and another science	Chemistry and a Science	BBB
Computing and Information Technology	Maths	Maths or Science preferred but not essential	ABB or BBB (with Mathematics/ Science A level)
Computer Science	Maths	Mathematics or Software Systems Development (preferred). If not a Science may be offered	BBB ABB (with a science)
Finance	Maths (B)	Maths	ABB

ogy, Chemistry, hs hematics, Physics ogy, Chemistry, hematics	Biology and Chemistry Maths and Physics Biology or Chemistry	ABB
ogy, Chemistry,		BBB
	Biology or Chemistry	
	(preferably both)	ABB-BBB
lish	English	ABB
ogy, Chemistry, hematics	Biology	BBB
lish, Maths, one nce	One Science preferred but not compulsory	BBC (where a science is not offered)/BCC
hs	Mathematics (preferred) or Chemistry, Physics, Technology, Software/Computing	BBB (with A level Mathematics) ABB (with Chemistry, Physics or Technology)
sics (C) for those offering A level sics	Maths and one subject from Science (Physics preferred), Further Mathematics or Technology	BBB
hs, Chemistry	Biology, Geography, Maths, Physics – Chemistry beyond GCSE is preferable but not essential	BBB
ths, Chemistry	Biology, Geography, Maths, Physics – Chemistry beyond GCSE is preferable but not essential	BBB
	ogy, Chemistry, hematics ish, Maths, one nce hs sics (C) for those offering A level sics hs, Chemistry	ogy, Chemistry, hematics ish, Maths, one nce but not compulsory hs Mathematics (preferred) or Chemistry, Physics, Technology, Software/Computing sics (C) for those offering A level sics (Physics preferred), Further Mathematics or Technology hs, Chemistry Biology, Geography, Maths, Physics – Chemistry beyond GCSE is preferable but not essential ths, Chemistry Biology, Geography, Maths, Physics – Chemistry beyond GCSE is preferable but not essential

## UNIVERSITY OF ULSTER

UU COURSE	GCSE Requirements	A LEVEL Requirements	2019 TARIFF
Accounting	Maths (min B)	Mathematics (preferred)	AAB-ABB (without A level Maths) ABB-BBB (with A level Maths)
Animation		Art and Design or Technology	BCC-BBB
Architectural Technology and Management		To include one from Maths/Chemistry/Biol ogy/Physics/Technolo gy	BBC
Architecture	Art and Physics		BBB
Biomedical Engineering	Chemistry, Biology and Physics	To include one from Physics/ Maths/ Chemistry/Technology / Biology	BBB
Biomedical Sciences	Chemistry	Two Science subjects (see prospectus for details)	BBB
Construction Engineering and Management	Mathematics and Physics	To include one from Maths/ Physics/Technology/ Chemistry/ ICT/ Business Studies/ Geography	BBB
Civil Engineering	Physics B for those who have not offered A level Physics	Maths and one from Physics/Technology/ Chemistry/ Biology/ Geography	BBB
Computer Engineering	Maths	One from Physics, Mathematics, Chemistry, Technology and Design	BBB
Computer Science	Maths	Applicants with one of the following will receive an offer for lower grades: Mathematics, Physics, Chemistry	BBB

UU COURSE	GCSE Requirements	A LEVEL Requirements	2019 TARIFF
Dietetics	Maths and Chemistry	Two Science subjects from Chemistry/Physics/Ma ths/ Biology/HE (Chemistry preferred)	BBB
Electronic Engineering	Maths (Grade A if Technology only offered at A level)	Maths or one from Physics/Chemistry/ Technology	ВВВ
Engineering (all disciplines)/ Energy	Maths (Grade A if Technology only offered at A level)	Maths or one from Physics/Chemistry/ Biology/Technology	BBB
Environmental Health	Mathematics	Grade A in one of the following: Mathematics, Physics, Geography, Chemistry, Biology or Home Economics	ABC
Environmental Science/Studies	Maths	Two Science subjects (Geography/ICT/PE/H E counted as Science subjects)	BCC-CCD
Food and Nutrition		At least one science subject (HE/Maths/Geograph y/Biology/ICT counted as Science subjects)	ссс
Health Physiology	Maths and Physics	Grade B in one of the following: Biology, Chemistry, Mathematics or Physics	BBC
Human Nutrition		Two science subjects [see prospectus for details]	BCC
Information Technologies	Maths	Applicants with one of the following will receive an offer for lower grades: Mathematics, Physics, Chemistry	BBB
Nursing (Adult)	Maths and minimum of Single Award Sci.	No specific subjects	BBC

UU COURSE	GCSE Requirements	A LEVEL Requirements	2019 TARIFF
Optometry		Two science subjects (A grade) from Biology/Chemistry/ Physics/Maths	AAB
Pharmacy	Chemistry	Chemistry and one from Maths/ Biology/ Physics	AAB
Sport, Physical Activity and Health	Maths and a Science	One of Biology, Chemistry, Mathematics, Psychology or Sports Studies	BBC-BBB
Physiotherapy /Podiatry		Minimum of one Science or Maths	BBB
Radiography/ Radiotherapy	Maths, Physics and Biology or Chemistry	One subject from Physics, Mathematics, Chemistry or Biology	BBB
Speech and Language Therapy	At least one science	One subject from English/Maths/one Science/one Modern Foreign Language/Geography/ Psychology/Health and Social Care	BBB
Sport and Exercise Sciences	At least one science	To include an A grade from Biology/Chemistry/Ma ths/Sports Studies/Physics/ Psychology	ААВ
Sports Coaching		Maths and one science	NA
Stratified Medicine	Maths and Biology	Two Science subjects – see Prospectus for further details	BBB
Technology with Design		To include one from Maths/Physics/Chemi stry/ Biology/Technology	BBB

THE FOLLOWING COURSES WILL REQUIRE AN A LEVEL IN THE SUBJECT SPECIFIED: Geography/English/French/History etc.

THE FOLLOWING COURSES HAVE NO SPECIFIC A LEVEL REQUIREMENTS:

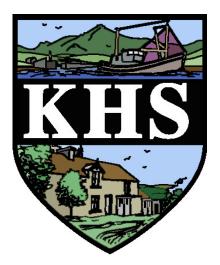
Law/Building Surveying/Social Work/Psychology/Business Management/Business Studies/Media Studies/Journalism/Consumer Studies/Occupational

Therapy/Criminology/ Hotel and Tourism/Marketing/Sociology/Economics/Human Resources/Leisure and Events Management

### STRANMILLIS UNIVERSITY COLLEGE

COURSE	GCSE requirements	A LEVEL requirements	2019 TARIFF
BEd (Hons) Primary	Minimum C in Maths, English and Science	At least one subject from the list: Art, English, Geography, History, Maths, Music, Physical Education, Religious Studies, Science	AAB
BEd (Hons) Post- Primary Business and Enterprise	Minimum C in English and Maths	Business Studies	BBC
BEd (Hons) Post- Primary Mathematics and Science	Minimum C in Maths, English and B in Science	Maths and Physics or Chemistry and Biology	BCC
BEd (Hons) Post- Primary Religious Studies	Minimum C in English and Maths	Religious Studies	ABB
BEd (Hons) Post- Primary Technology and Design	Minimum C in English and Maths	Technology or Art or Physics	BCC
BA (Hons) Early Childhood Studies	Minimum C in English and Maths	Curriculum subjects or Psychology or Health and Social Care	BBB
BSc (Hons) Physical Activity and Sport	Minimum C in Maths, English and Science	Sports Studies/Biology/HE	BCC

## Kilkeel High School



# MAIN<br/>STUDIESGCE 'A' and 'AS'

## **APPLIED GCE & BTec**

Creating Opportunity ~ Realising Potential ~ Developing Individuals

## **GCE ART**

## Overview

The study of Art and Design nourishes, enhances and celebrates students' creative, intellectual and artistic abilities. CCEA's new GCE Art and Design course builds on the art, craft and design experiences gained by students who followed GCSE Art and Design or other similar qualifications. The **AS** (Advanced Subsidiary)/**A2** structure of this GCE means you can study for the **AS** Level award, completing units AS 1 and AS 2 and then decide if you wish to continue to **A2** Level where you will complete the two additional units: A2 1 and A2 2. This will lead to an award for the **full Advanced GCE**.

## The new specification (for first teaching in Sep. 2016) includes the following options:

- Art, Craft and Design Combined Studies SEP
- Photography and Lens-Based Media [SEP]
- Three-Dimensional Design
- Textiles [L]

## Q. Why study GCE Art and Design?

The creative industries are a fast-growing area of the economy and are key to economic success. Northern Ireland and the UK have an established reputation in these industries. The study of Art and Design creates a pathway to a future career in a creative-industries- related field.

This specification is designed to broaden and deepen knowledge, skills and contextual understanding of a range of art, craft and design disciplines. It prepares students for further study in art and design or in a related field.

This qualification is designed to promote and reward:

- independent learning; **SEP**
- personal development and photivation;
- the ability to make creative isonnections, find alternative approaches and take risks in creating art and design work; and is
- aesthetic awareness and intellectual capabilities.

Art and Design encourages students to make personal connections, explore their identity, and develop their philosophical and spiritual understanding. The study of Art and Design has an inherent capacity to develop key transferable skills and qualities which are highly sought after by employers. These include creativity, problem solving, resourcefulness, resilience, imagination, empathy, and innovation. Higher order thinking skills such as researching, analysing and reflecting are fundamental to this qualification.

## Q. What do I need to take this course?

The course is designed to promote continuity and progression from the study of Art and Design at GCSE level and other similar art and design qualifications. The AS level builds on but does not depend upon the knowledge, understanding and skills developed at GCSE level. The GCE builds upon the knowledge, understanding and skills developed at AS.

Examination	Board
LAUTINIACION	Douia

o CCEA		
AS Level		
Unit	Content	Assessment
AS 1 Experimental Portfolio	This unit provides an opportunity for students to develop creative, investigative, experimental, practical, technical and expressive skills; aesthetic understanding; and contextual and critical knowledge. It is designed to give students space to be creative and learn through visual enquiry without the burden of a specified outcome. Students develop, explore and record ideas. Students base their portfolio on a theme that CCEA issue in a stimulus paper at the beginning of the AS course.	<ul> <li>50% of AS</li> <li>20% of A level</li> </ul>

	I	1
	The following assessment objectives apply to this unit:	
	<ul> <li>AO1 – Knowledge and understanding;</li> </ul>	
	<ul> <li>AO2 – Creative process; and <u>SEP</u></li> </ul>	
	• AO3 – Skills.	
	No final outcome.	
AS 2	In this unit, students respond a theme that CCEA issue in a	<ul> <li>50% of AS</li> </ul>
Personal Response	stimulus paper at the beginning of the AS course. It includes	o 20% of A level
	developmental work and an outcome that stems from the	
	research and exploratory work completed for Unit AS 1.	
	All four assessment objectives are assessed in this unit, but	
	Assessment Objective 4 (Outcome) is weighted more heavily	
	than the other three assessment objectives.	
A2 Level		
Unit	Content	Assessment
A2 1	This unit includes both practical and written investigations and	<ul> <li>60% of A2</li> </ul>
Personal and Critical	the use of theoretical research. Students demonstrate	o 36% of A level
Investigation	understanding through integrated practical and written forms.	
	The following assessment objectives apply to this unit:	
	<ul> <li>AO1 – Knowledge and understanding;</li> </ul>	
	• AO2 – Creative process; and	
	• AO3 – Skills.	
	Written investigation 1000–3000 words – externally assessed	
	20% of A2 12% of A level	
	Teachers assess the practical investigation, and CCEA moderate	
	the results.40% of A2 24% of A level	
	Written and practical work inform each other and are integrated,	
	but are marked separately. No final outcome.	
A2 2	In this unit, students respond to a theme that CCEA issue in a	<ul> <li>40% of A2</li> </ul>
Thematic Outcome	stimulus paper at the beginning of the A2 course. This unit	<ul> <li>24 % of A level</li> </ul>
	includes developmental work and an outcome which stems from	
	the personal investigation completed for Unit A2 1.	
	Teachers assess students' work, and CCEA moderate the results.	
	All four assessment objectives are assessed in this unit, but	
	Assessment Objective 4 (Outcome) is weighted more heavily	
-	than the other three assessment objectives.	
Careers		
	Careers in Art Galleries/Museums, Art Therapist, Display/Windov	
-	signer, Fine Artist, Florist, Furniture Designer, Graphic Designer, Ha	
-	dscape Designer, Make-up Artist, Packaging Designer, Painter & Dec	
	r, Art & Design Teacher, Careers in Advertising, Model Maker, Je	-
-	sery School/Early Years Teacher, Sign Writer, Traditional Crafts V	
Effects Designer Textil	e Designer, Cartoonist, Cabinet Maker, TV/Film Director, Ann Design	or and more

Effects Designer Textile Designer, Cartoonist, Cabinet Maker, TV/Film Director, App Designer and more.

Overview			
	rages you to develop skills alongside unders	tand	ling of concepts and
	y and the thinking skills needed for the use of the		•
	asises the way in which scientists work and the c		
	the economy. You are also encouraged to reco		
of Biology in society	, .	5	
Examination Board	•		
<ul> <li>CCEA</li> </ul>	www.ccea.org.uk/biology		
AS Level	www.ccea.org.uk/biology		
Unit	Contont	<b>A</b> c	
AS 1: Molecules	Content		sessment 37.5% of AS
and Cells	This unit deals with molecules, enzymes,	0	
and Cells	viruses, cells, cell physiology, continuity of		15% of the total A
	cells, and tissues and organs.		level marks
AS 2: Organisms	This unit covers transport and exchange	0	37.5% of AS
and Biodiversity	mechanisms in plants and mammals,		15% of the total A
	adaptations of organisms and biodiversity		level marks
	with an emphasis on local contexts.		
AS 3: Practical	External written examination assessing	0	25% of total AS
Skills in AS	practical skills - 1 hour and		marks
Biology	internal practical assessment. Students		10% of total A-level
	should submit at least seven practical tasks		marks
	listed in the syllabus.		
A2 Level			
Unit	Content	Δse	sessment
Unit A2 1: Physiology	Content This unit covers homeostasis including the		24% of the total A-
A2 1: Physiology,	This unit covers homeostasis including the	<b>Ass</b>	24% of the total A-
A2 1: Physiology, Co-ordination and	This unit covers homeostasis including the kidney and excretion, immunity,		
A2 1: Physiology, Co-ordination and <b>Control and</b>	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and		24% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems.	0	24% of the total A- level marks
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2:	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of		24% of the total A- level marks 24% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry,	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis.	0	24% of the total A- level marks
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of	0	24% of the total A- level marks 24% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety	0	24% of the total A- level marks 24% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms.	0	24% of the total A- level marks 24% of the total A- level marks
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required	0	24% of the total A- level marks 24% of the total A- level marks 12% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms.	0	24% of the total A- level marks 24% of the total A- level marks
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required	0	24% of the total A- level marks 24% of the total A- level marks 12% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written	0	24% of the total A- level marks 24% of the total A- level marks 12% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills.	0	24% of the total A- level marks 24% of the total A- level marks 12% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills. Students should submit at least five of the	0	24% of the total A- level marks 24% of the total A- level marks 12% of the total A-
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical Skills in AS Biology Careers	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills. Students should submit at least five of the	0	24% of the total A- level marks 24% of the total A- level marks 12% of the total A- level marks
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical Skills in AS Biology Careers Biochemist, Biolo	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills. Students should submit at least five of the practical tasks listed in the syllabus.	o o o	24% of the total A- level marks 24% of the total A- level marks 12% of the total A- level marks
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical Skills in AS Biology Careers Biochemist, Biolog	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills. Students should submit at least five of the practical tasks listed in the syllabus.	o o o rist,	24% of the total A- level marks 24% of the total A- level marks 12% of the total A- level marks Doctor, Ecologist, Assistant, Careers in
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical Skills in AS Biology Careers Biochemist, Biolo Environmental Hea Horticulture, Labor	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills. Students should submit at least five of the practical tasks listed in the syllabus.	o o rrist, are Bio	24% of the total A- level marks 24% of the total A- level marks 12% of the total A- level marks Doctor, Ecologist, Assistant, Careers in logist, Microbiologist,
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical Skills in AS Biology Careers Biochemist, Biolo Environmental Hea Horticulture, Labor Careers in the Am	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills. Students should submit at least five of the practical tasks listed in the syllabus. gy Teacher, Botanist, Dietician, Optomet lth Officer, Environmental Scientist, Health C atory Technician, Landscape Architect, Marine bulance Service, Nutritionist, Pathologist, Pha	o o rrist, are Bio arma	24% of the total A- level marks 24% of the total A- level marks 12% of the total A- level marks Doctor, Ecologist, Assistant, Careers in logist, Microbiologist, acist, Physiotherapist,
A2 1: Physiology, Co-ordination and Control and Ecosystems A2 2: Biochemistry, Genetics and Evolutionary Trends A2 3: Practical Skills in AS Biology Careers Biochemist, Biolo Environmental Hea Horticulture, Labor Careers in the Am Radiographer, Veto	This unit covers homeostasis including the kidney and excretion, immunity, co-ordination and control in plants and animals, and ecosystems. This unit covers the biochemical processes of respiration and photosynthesis. Students explore genetics on a number of levels. Students also learn about a variety of phyla in the plant and animal kingdoms. This unit includes a series of required practical tasks and a 1 hour 15 minute written examination assessing practical skills. Students should submit at least five of the practical tasks listed in the syllabus.	o o rrist, are Bio arma	24% of the total A- level marks 24% of the total A- level marks 12% of the total A- level marks Doctor, Ecologist, Assistant, Careers in logist, Microbiologist, acist, Physiotherapist, Zoologist, Biologist,

Oceanographer.

## **EXTENDED CERTIFICATE IN APPLIED BUSINESS**

## Overview

A-level (Level 3) Extended Certificate in Applied Business helps you to develop knowledge and understanding of the practices and techniques used within marketing, finance, operations management, human resource management and the links between them. It helps you develop knowledge of the processes, attractions and risks of setting up an enterprise; the relationship between the business and the changing external environment social and ethical issues. The specification also encourages you to contribute to the development of the skills required for success as an entrepreneur, manager or employee; apply numerical and written business techniques to a variety of business contexts; explore business problems and learn to identify possible solutions.

## **Examination Board**

0	AQA
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AS Level			
Unit	Content	Assessment	
1 – Financial	In this exam unit, you will get the opportunity to investigate how a	<ul> <li>Portfolio</li> </ul>	
Planning and	business controls and monitors its finances. The emphasis is on	$\circ~$ 33.3% of final AS	
Analysis	management accounting to aid decision-making and the effective	mark	
	management, motivation and development of staff.		
2 – Business	In this portfolio assessed unit, you will investigate a case study of a	<ul> <li>Portfolio</li> </ul>	
Dynamics	large multi-national company. The emphasis is on a detailed report	$\circ$ 33.3% of final AS	
	highlighting the business structure, functions, business	mark	
	opportunities and SWOT analysis.		
3 –	In this externally assessed unit, you will investigate the	<ul> <li>External Exam</li> </ul>	
Entrepreneurial	entrepreneurial characteristics needed to succeed in business.	$\circ$ 33.3% of final AS	
Opportunities	Using a given case study, you will use your entrepreneurial skills to	mark	
	identify a gap in the market in order to make the idea a success.	<ul> <li>1 ½ hour paper</li> </ul>	

**AS Level** 

AS Level			
Unit	Content	As	sessment
4 – Managing	In this unit, you will explore how organisations, operating in a	0	External Exam
and Leading	changing environment, use managers and employees to meet	0	33.3% of final AS
People	objectives. You will look at leadership and how managers and		mark
	employees work together.	0	1 ½ hour paper
5 -Developing a	In this unit will select a business idea and develop your proposal.	0	Portfolio
Business	You will outline the marketing, financial, operations and human	0	33.3% of final AS
Proposal	resources of your idea. You will evaluate how to raise capital and		mark
	assess the viability of your business idea.		
8 - Marketing	- Pupils will explore the most effective ways of marketing their	0	Portfolio
Communications	business which they have planned in Unit 5. This will include	0	33.3% of final AS
	designing and analysing market research and promotional		mark
	methods aimed at their chosen target market.		

Careers

Accountant, Actuary, Administrative Assistant, Careers in Advertising, Bank Manager/Officer, Building Society Manager/Clerk, Business Manager, Distribution/Logistics, Administrator, Economist, Careers in Insurance, Investment Analyst, Local Government, Clerical Officer/Assistant, Local Environment Manager, Market Researcher, Careers in Marketing, Retail Manager, Financial Adviser, Civil Service Administrative, Civil Service Executive Officer, Hotel Manager, Quantity Surveyor, Management Consultant, Systems Analyst, Human Resources Officer, Business Development Adviser, TV/Film/Video Producer, Theatre Manager, Buyer/Purchasing Officer, Credit Manager/Controller, Charities Fundraiser/Appeals Manager, Company/Chartered Secretary.

## Overview

Chemistry at A level will follow the CCEA specification. Further information on Chemistry at A level can be viewed on the CCEA website: <u>www.ccea.org.uk</u>.

Chemistry is the study of the elements and the compounds they form. The spiritual, moral, ethical, social and cultural issues which arise from this study will provide the opportunity for students to discuss and analyse the contribution of Chemistry to society. This will involve a critical appraisal of the use of finite resources, the way in which they are used, and the development of global responsibility for ethical use of advances in Chemistry. The Key Skill of Communication can be used to explore these issues.

Examination Board		
o CCEA		
AS Level		
Unit	Content	Assessment
AS 1: Basic Concepts in	Formulae, equations and amounts of a substance;	<ul> <li>35% of AS</li> </ul>
Physical and Inorganic	Atomic structure; Bonding and structure; Shapes of	o 17.5% of A
Chemistry	molecules and ions; Intermolecular forces; Redox ; The	level
	Periodic Table; Group V11 (flouride, chlorine, bromine	
	and iodine); Titrations	
AS 2: Further Physical and	Formulae and amounts of a substance; Nomenclature	<ul> <li>35% of AS</li> </ul>
Inorganic Chemistry and	and isomerism in organic compounds; Hydrocarbons –	o 17.5% of A
Introduction to	alkanes; Hydrocarbons – alkenes; Halogenoalkanes;	level
Organic Chemistry	Alcohols; Infra-red spectroscopy; Energetics;	
	Equilibrium; Kinetics; Group II elements and their	
	compounds (Mg to Ba); Qualitative analysis	
AS 3: Internal Assessment	In this section you will be carrying out practicals,	<ul> <li>30% of AS</li> </ul>
	recording results and analysing your findings.	<ul> <li>15% of A level</li> </ul>
A2 Level		
Unit	Content	Assessment
••		
A2 1: Periodic Trends and	Lattice enthalpy; Enthalpy, entropy and free energy;	<ul> <li>20% of A level</li> </ul>
A2 1: Periodic Trends and Further Organic, Physical	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2);	
A2 1: Periodic Trends and	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples	
A2 1: Periodic Trends and Further Organic, Physical	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ;	
A2 1: Periodic Trends and Further Organic, Physical	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental	
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only)	○ 20% of A level
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical,	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance	
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals,	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry;	○ 20% of A level
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes;	○ 20% of A level
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and Further Organic	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes; Oxidation states; Catalytic behaviour; Applications of	○ 20% of A level
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes; Oxidation states; Catalytic behaviour; Applications of transition metal complexes; Electrode potentials;	○ 20% of A level
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and Further Organic	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes; Oxidation states; Catalytic behaviour; Applications of transition metal complexes; Electrode potentials; Arenes; Amines; Amides; Amino acids; Polymer	○ 20% of A level
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and Further Organic Chemistry	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes; Oxidation states; Catalytic behaviour; Applications of transition metal complexes; Electrode potentials; Arenes; Amines; Amides; Amino acids; Polymer chemistry	<ul> <li>20% of A level</li> <li>20 % of A level</li> </ul>
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and Further Organic	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes; Oxidation states; Catalytic behaviour; Applications of transition metal complexes; Electrode potentials; Arenes; Amines; Amides; Amino acids; Polymer chemistry This involves practical work at a more advanced level	○ 20% of A level
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and Further Organic Chemistry	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes; Oxidation states; Catalytic behaviour; Applications of transition metal complexes; Electrode potentials; Arenes; Amines; Amides; Amino acids; Polymer chemistry	<ul> <li>20% of A level</li> <li>20 % of A level</li> </ul>
A2 1: Periodic Trends and Further Organic, Physical and Inorganic Chemistry A2 2: Analytical, Transition Metals, Electrochemistry and Further Organic Chemistry AS 6: Internal Assessment <b>Careers</b>	Lattice enthalpy; Enthalpy, entropy and free energy; Kinetics; Equilibrium (including principles from Unit 2); Acid-base equilibria; Isomerism (incorporates examples from Unit 2); Aldehydes and ketones; Carboxylic acids ; Esters, fats and oils; Periodic trends; Environmental chemistry (simple treatment only) Mass spectrometry; Nuclear magnetic resonance spectroscopy; Volumetric analysis; Colorimetry; Chromatography; General properties; Complexes; Oxidation states; Catalytic behaviour; Applications of transition metal complexes; Electrode potentials; Arenes; Amines; Amides; Amino acids; Polymer chemistry This involves practical work at a more advanced level	<ul> <li>20% of A level</li> <li>20 % of A level</li> <li>10% of A level</li> </ul>

Agricultural Scientist, Chemist, Biochemist, Environmental Health Officer, Scenes of Crimes Officer, Biotechnologist, Pharmacist, Pharmacologist, Pharmacy Technician, Forensic Scientist, Industrial Chemist, Materials Scientist, Oceanographer, Dentist, Medicine, Nature Conservationist, Animal Technician, Metallurgist, Scientific Archaeologist, and many more.

## **GCE DIGITAL TECHNOLOGY**

Overview

The GCE Digital Technology specification:

- o is made up of a combination of AS and A2 Units;
- $\circ$  enable progression to study at further and higher education level, training and employment;
- $\circ$  ~ enable candidates to apply their knowledge in realistic ICT and Computing contexts;

o emphasise the development of the transferable skills necessary in a changing and dynamic working environment.

Examination Board		
o CCEA		
AS Level		
Unit	Content	Assessment
1 -	In this unit, students develop knowledge and understanding of the various approaches to	External written
Approaches to	the development of complex systems, the key stages in the development process and the	examination
System	outputs produced at each stage. The content of this unit underpins the learning that will	1hr 30 mins
Development	take place in each of the three subsequent units. Key terms such as software crisis, systems	
	analyst, fact finding techniques, DFD's, test plans, changeovers, RAD, Agile etc. use of	50% of AS
	Programming environments will be necessary for understanding and practice.	20% of A level
2 -	In this unit, students develop knowledge and understanding of the fundamentals of any	External written
Fundamentals of	system such as data representation, computer architecture, software and the user	examination
Digital Technology	interface. Along with Unit AS 1, the content of this unit will provide a foundation for	1hr 30 mins
	progression to A2.	
	The core theory of Computing will be covered from Bits and Bytes, Bit Addition, 2s	50% of AS
	Complement, Modulus 11, I/O controllers, Open versus Closed Source software, CSS, SSL	20% of A level
	and HTTPs.	
A2 Level		
Unit	Content	Assessment
1 -	In this unit students learn to extend your previous knowledge from the AS in	External written
Information Systems	Fundamental Technologies and learn about the additional areas of Computing such as	examination
	networks and their protocols, technologies used such as repeaters and how they work.	2hr 30 mins
	The purpose and use of MAC and IP addressed. How Collision detection works and its	
	importance in a network system. The areas of transmission will be focused, how	
	information is transmitted, checked and error detections applied or corrected. The use of	
	databases is a key element in this section of learning and focuses on Normalisation of	40% of A level
	data to 3 <sup>rd</sup> Normal form and also takes into account the use of Entity Relationship	

	databases is a key element in this section of learning and focuses on Normalisation of	40% of A level
	data to 3 <sup>rd</sup> Normal form and also takes into account the use of Entity Relationship	
	Diagrams, DFD's and SQL language. The investigation into Artificial intelligence and the	
	current developments available in Japan and the US at present. The understanding of	
	Expert systems being used through the medical and business professions. The	
	introduction of Cloud Technology and the implication from a legal perspective for all this	
	technology in our lives.	
2 -	In this unit students have the opportunity to become involved in a real-world situation	Portfolio
Application	where they can apply their skills, knowledge and understanding of digital technology to	
Development	solve a problem for a specified client. Students apply their practical skills to produce a	
	solution and associated detailed documentation for the client. They can adopt a range of	20% of final A2 mark
	approaches. You will be required to understand normalisation to third level, relational	
	database structures, queries and the development of a relational database to implement	
	a model. You will be required to design, implement, test and document solutions to given	
	problems. You will be required to develop and apply project management skills to their	
	work. You will be required to examine and apply standard ways of working in this context.	

Careers

Technical Manager, Information Technology Manager, Systems Development Manager, Computer Operator, Data Centre Manager, Network Manager, User Support Manager, Technical Support Manager, Project Manager, Systems Analyst, Business Analyst, Systems Developer/Programmer, Help Desk Supervisor, Help Desk Operator, Information Technology Trainer, PC Support Officer, User Support Analyst, Technical Support Officer, Database Administrator, Network and Communications Analyst, Network and Communications Support Officer, Programmer, Web Designer, Web Analyst, Graphic Designer, Software Engineer, Telecommunications Engineer, Sales Consultant, ICT Teacher/Lecturer, Systems Integrator, Network Administrator, Systems Operator

## **BTEC ENGINEERING**

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The GCE in Engineering gives students an understanding of different areas of engineering, helping them to build and apply knowledge within a wide variety of engineering contexts.

The GCE in Engineering helps students to:

- $\circ$   $\;$  understand the nature and demands of different areas of engineering
- $\circ~$  develop an understanding of engineering technologies and the complex sub-groups that make up engineering and related industries
- apply their understanding of engineering and its practical and technological aspects, through project based study of engineering design, production, commissioning and maintenance.

The qualification has an AS/A2 structure. It can take the form of a Single Award AS GCE (3 units) or a Single Award Advanced GCE (6 units) Students design and manufacture engineering products at both AS and A2 level. They will also examine existing engineered products and investigate the role of the engineer in their design or manufacture. The A2 external assessment is based on three practical engineering activities for which Edexcel sets the brief. Students who successfully complete the qualification will be well equipped to move onto degrees, BTEC Higher National Diplomas or NVQs.

AS Level		
Unit	Content	Assessment
Unit 1 –	Students become familiar with a range of engineering materials	<ul> <li>Externally</li> </ul>
Engineering	and processes, and how these can be used to manufacture high	assessed
Materials,	quality finished products	
Processes and		
Techniques		
Unit 2 – The Role	Students investigate the role of a professional engineer responsible	<ul> <li>Internally</li> </ul>
of the Engineer	for the design or manufacture of an engineered product or service	assessed
Unit 3 – Principles	Students produce a design solution to a client brief and	<ul> <li>Internally</li> </ul>
of Design, Planning	demonstrate its effectiveness through developing a prototype	assessed
and Prototyping		
A2 Level		
Unit	Content	Assessment
Unit 4 – Applied	Students look at ways in which a systems approach can be used to	<ul> <li>Externally</li> </ul>
Engineering	provide engineering solutions. Edexcel will set a brief asking	assessed
Systems	students to complete three practical activities under controlled	
	conditions. Teachers mark the work against the assessment criteria	
	in the specification, and Edexcel sample-moderates the work	
Unit 5 – The	Students learn how regulations and codes of practice affect the	<ul> <li>Internally</li> </ul>
Engineering	design and manufacture of engineering products or services	assessed
Environment		
	Students draw upon their newly-gained engineering expertise to	<ul> <li>Internally</li> </ul>
Unit 6 – Applied		assessed
Design, Planning	design, develop and manufacture an engineering solution to a	assesseu
••	given client brief	assessed

service engineer, Electrical engineering technician, Marine engineer, Materials engineer, Materials technician, Measurement and control technician, Satellite systems technician, Steel erector, Welder, Wood machinist.

## Overview

It is ill-advised to choose English Literature if you do not enjoy reading, not just the texts but also what the critics have written about the texts and the social/historical/cultural backgrounds of the texts!

N.B. You need a Grade 'C' in GCSE English Literature to begin this course but you will find the work much easier with a 'B' or 'A' grade.

Examination Board		
o CCEA		
AS Level		
Unit	Content	Assessment
AS 1 – Poetry and Drama	<ul> <li>Section A - Poetry – Frost and Heaney - 1 hour</li> <li>Compare and contrast two poems by Robert Frost and Seamus Heaney.</li> <li>Section B - Drama – A Streetcar Named Desire – Tennessee Williams – 1 hour</li> </ul>	External Exam – 2 hours Closed book Answer one question from a choice of two. Analysis of dramatic methods and context 60% AS 24% A Level
AS 2 - The Study of Prose Pre 1900	Frankenstein by Mary Shelley	External Exam – 1 hour Closed book Answer one question 40% AS 16% A Level
A2 Level	·	
Unit	Content	Assessment
A2 1 – Shakespearean Genres. Response to a Shakespeare play.	King Lear.	External Exam – 1 hour 30 minutes Closed book 20% A Level
A2 2 – The Study of Poetry Pre-1900 Unseen Poetry:	Answer two questions: Section A – Chaucer Section B – Response to an unseen poem.	External Exam – 2 hours Closed book 20% A Level
A2 3 – Internal Assessment Prose – Comparative study of two novels across a theme.	Detailed study of two novels, one of which must be a twenty-first-century novel. Students explore a theme and analyse how writers shape meaning. They also explore the contexts in which each novel was written	Internal Assessment - 2500 word essay 20% A Level
Careers		•

Secretary, Public Relations Officer, Script Writer, English Teacher, Technical Writer, Press Officer, Teacher of English as an Additional Language, Editorial Assistant, Personal Assistant, Web Author/Designer, Newspaper Editor, Newspaper Sub Editor, Librarian, Information Officer, Actor, Drama Teacher, Drama Therapist, Nursery School/Early Years Teacher, Primary School Teacher

## Overview

Through studying Geography at AS and A2 level, you will learn about

- geographical concepts and processes;
- interactions between people and their environment;
- the challenges of sustainability; and
- the importance of attitudes and values

You will become aware of the important relationships between societies, economies, cultures and environments. You will also have the opportunity to relate what you have studied to the world around you.

## **Examination Board**

• CCEA (<u>www.ccea.org.uk</u>)

AS Level	www.ccea.org.uk	
Unit	Content	Assessment
1 - Physical Geography	This unit is concerned with physical processes and systems and the human interaction with them. You will investigate the fluvial environment, local and global ecosystems and the processes that shape weather and climate, all at a range of scales and variety of places.	<ul> <li>1 hour 15 minute exam</li> <li>40% of the AS marks</li> <li>16% of the full A level marks.</li> </ul>
2 - Human Geography	This unit allows you to investigate how different human systems (including population, settlement and emerging markets) and relationships across our world change over space and through time, again within a variety of places and at a range of scales.	<ul> <li>1 hour 15 minute exam</li> <li>40% of the AS marks</li> <li>16% of the full A level marks.</li> </ul>
3 – Fieldwork Skills and Techniques in Geography	Through fieldwork, you will be able to identify geographical questions and issues, select appropriate sources and methods and establish effective approaches to enquiry in your geographical studies.	<ul> <li>1 hour exam</li> <li>20% of the AS marks</li> <li>8% of the full A level marks</li> </ul>
A2 Level		-
Unit	Content	Assessment
4 - Physical Processes, Landforms and Management	<ul> <li>There are 4 options available, of which you study and answer questions on two of them. These are -</li> <li>Plate Tectonics – Theory and Outcomes – You will develop an understanding of the dynamic nature of crustal movements and related events. The processes of tectonic activity and the potential benefits and detrimental outcomes of natural hazards will be considered whilst you evaluate the effectiveness of their management.</li> <li>Dynamic Coastal Environments – you will gain a deeper understanding of coastal systems and process and reflect on the potential changes to this environment with an evaluation of the effectiveness of management strategies.</li> </ul>	<ul> <li>1 hour 30 minute exam</li> <li>24% of the full A level marks.</li> </ul>



5 – Process and Issues in Human Geography	<ul> <li>There are 4 options available of which you study and answer questions on two of them. These are -</li> <li>Cultural Geography – You will look at the influence of culture on landscape, the impact of migration and the geography of cyberspace.</li> <li>Ethnic Diversity – You will investigate the processes that create and maintain ethnic diversity and how this can be involved in the causes and possible responses</li> </ul>	0	1 hour 30 minute exam 24% of the full A level marks.
6 – Decision Making in Geography	This involves decision making skills in a real world scenario. You identify and analyse appropriate material, examine conflicting values and make and justify recommendations.	0	1 hour 30 minute exam 12% of the full A level marks
Careers			
Hydrographer, Land Surveyor Meteorologist, Pilot, Market	ntroller, Cartographer, Countryside Officer/Ranger, Geologist Surveyor, Land Manager, Landscape Architect, Oceanographer , Tourist Information Officer, Town Planner, Transport Ma Armed Services, Civil Engineer, Foreign/Travel Correspondent Researcher, Environmental Health Officer, Careers in Ag Ecologist, Zoologist, Botanist	, Pr inag , Ge	operty Developer, er, Travel Agent, eography Teacher,

Through studying this course, you will explore the key political, economic and social events that have helped shape today's institutions, governments and societies.

The specification aims to help you:

- develop an interest in and enthusiasm for history;
- draw together different areas of knowledge, skills and understanding;
- organise and communicate your knowledge and understanding in different ways, presenting coherent arguments and making substantiated judgements;
- acquire the ability to ask relevant and significant questions about the past, carry our research and evaluated conclusions;
- gain an understanding of the different ways in which aspects of the past have been interpreted;
- develop higher order thinking skills, such an independent learning, creative thinking and problem-solving, where appropriate;
- develop advanced study skills that help prepare for third level education;
- provide extended responses and evidence of quality of written communication; and
- demonstrate through challenging external assessments that you understand and can apply key historical terms, concepts and skills.

## **Examination Board**

## CCEA AS Level

Unit	Content	Assessment
1 -England 1603-49	<ul> <li>England in 1603</li> <li>Public Finances (1603-1642)</li> <li>Foreign Policy (1603-1642)</li> <li>The Court (1603-1642)</li> <li>Religious Beliefs and Practice (1603-1642)</li> <li>The Civil War (1642-1646)</li> <li>The Search for a Settlement with King Charles I (1646-1649)</li> <li>The Trial and Execution of the King (1649)</li> </ul>	<ul> <li>Written examination - 1 hr 30 mins</li> <li>Weightings: 50% AS, 20% A Level</li> <li>Answer one short response question from a choice of two and two parts of a source based question, one of which focuses on historical interpretations.</li> </ul>
2 – The Ascendancy of France in Europe 1660-1714	<ul> <li>The growing power of France between 1660 and 1689 and the outbreak of the Nine Years' War</li> <li>The Nine Year's War 1688-97</li> <li>The problem of the Spanish Succession 1697-1702</li> <li>The War of the Spanish Succession 1702-14</li> </ul>	<ul> <li>Written examination - 1 hr 30 mins</li> <li>Weightings: 50% AS, 20% A Level</li> <li>Answer two questions from a choice of three. Each question comprises a short response question and an essay</li> </ul>

## A2 Level

Unit	Content	Assessment
3 - Crown	<ul> <li>Relations between Crown and Parliament (1625-1640)</li> </ul>	$\circ$ Written examination – 1 hr 15 mins
and	• Relations between Crown and Parliament (1640-1649)	○ Weighting: 20% A Level
Parliament	• Relations between Crown and Parliament in the reign of	• One synoptic essay question covering
in England,	Charles II (1660-1685)	a period of approximately 100 years.
1625-1714	• Relations between Crown and Parliament in the Reign	
	of James II (1685-1688)	
	• Relations between William and Parliament (1689 -1702)	
	$\circ$ The reign of Anne (1702-1714)	

4 - Ireland 1607-1714	<ul> <li>The Catholicising Policies of James II in Ireland and England (1685-1689)</li> <li>Williamite Wars in Ireland (1685-1691)</li> <li>The results of the Conflict (1691-1714)</li> </ul>	<ul> <li>Written examination</li> <li>Weighting: 40% of A Level</li> <li>2 hrs 30 mins</li> <li>Two parts of a sources based question, an historical interpretations question and an essay.</li> </ul>
Careers		

Archaeologist, Archivist, Museum/ Art Gallery Conservator, Museum Curator, Researcher for TV/Film/Other Media, Art/Antiques Restorer, Costume Designer for TV/Film/Theatre, Set Designer for TV/Film/Theatre, Genealogist, Historical Writer/Editor, Journalist, Advocate, Barrister, Legal Executive, Solicitor, Tour Guide, Tourism Officer, Town Planner, Careers in Historic Buildings/Monuments, Teacher, Professional Historian, Actor, Careers in the Diplomatic Service.

## **GCE Health & Social Care**

## Overview

In GCE Health and Social Care, students learn about health and well-being, child development and human behaviour. Students study care services including traditional and holistic therapies. They examine the rights and responsibilities of both patients and service providers. Students also look at the importance of communication in care settings and how positive care can be promoted.

	ard		
o CCEA			
AS Level – There are 3 compulsory units			
Unit	Content	Assessment	
AS1	This unit gives students the opportunity to examine how legislation		
Promoting	impacts upon the rights and responsibilities of service users and carers.	Internally Assessed	
Positive Care	It focuses on how practices within one health, social care or early years	16 ⅔ %	
	setting promote the positive care of service users and how staff in the		
	chosen setting apply the principles of the care value base.		
AS2	This unit gives students the opportunity to learn and practise		
Communication	communication skills. They observe communication skills in a care	Internally Assessed	
in Care Settings	setting and carry out two interactions.	16 ⅔ %	
	Students will learn about types of communication, factors affecting		
	communication,		
	Barriers to communication		
	<ul> <li>Importance of communication when working in teams</li> </ul>		
AS 3	This unit gives students the opportunity to learn about health and well		
Health &	being and the factors which affect it.	Externally Assessed	
Well-being		16 ⅔ %	
		2 hour paper	
A2 Level – There	e is one compulsory and two optional units		
Unit	Content	Assessment	
A2 9		External Pre-release	
Providing	This unit gives students the opportunity to learn about the way in which	material	
Services	health social care and early years services are organised.	16 ⅔ %	
		2 hour paper	
A2 8 - 15	Students will complete two optional units. These will be chosen from:-	Each of the two	
	A2 Unit 7: Applied Research	units are worth	
	A2 Unit 8: Monitoring Body Systems	16 ⅔ %.	
	A2 Unit 10: Health Promotion	Units 7 – 11 are	
	A2 Unit 11: Supporting the Family	internally assessed	
	A2 Unit 12: Understanding Human Behaviour	Units 12 & 15 are	
	A2 Unit 15: Human Nutrition and Dietetics	externally assessed	
Careers			

This is an ideal course for students who want a broad background in health and social care. Many students with a qualification in GCE Health and Social Care go on to degree-level study in a variety of subjects such as health studies, social policy, social science, social studies, psychology, nursing and/or social work. Other students go on to complete a BTEC Diploma in Health and Social Care. Some students go straight into employment in the fields of health and social care.

## Overview

'A' Mathematics seeks to consolidate and extend the knowledge, skills and understanding developed in Key Stage 4. It provides a suitable foundation for study in Mathematics in further and higher education and for a range of interesting careers. The specification is structured in a modular format. Two modules are required for an AS grade and a further two modules are required for an A2 grade. The AS modules are worth 40% of the A level and the A2 modules are worth 60% of the A level.

xamination Board	4	
AS Level	Constant	A
Unit	Content	Assessment
AS 1:	The topics covered are:	External written examination
Pure	Surds, Indices, Quadratics, Quadratic	1 hour 45 mins
Mathematics	Inequalities, Simultaneous equations,	Students answer all questions.
	Remainder and Factor Theorem,	60% of AS
	Transformation of Graphs, Coordinate	24% of A level
	Geometry, Binomial Expansion,	
	Trigonometry, Exponentials and Logarithms,	
	Differentiation, Integration, Vectors.	
AS 2:	Mechanics topics covered are:	External written examination
Applied	Uniform acceleration, Forces and Newton's	1 hour 15 mins
Mathematics	laws, Equilibrium, Friction.	Students answer all questions.
	Statistics topics covered are:	40% of AS
	Statistical sampling, Data presentation and	16% of A level
	interpretation, Probability, Statistical	
	distributions.	
A2 Level		
Unit	Content	Assessment
A2 1:	The topics covered are:	External written examination
Pure	Further Algebra including Partial Fractions,	2 hours 30 mins
Mathematics	Modulus Functions, further Transformations	Students answer all questions.
	of Graphs, Parametric equations, Sequences	36% of A level
	and series, further Binomial Expansion,	
	further Trigonometry, further	
	Differentiation and Integration, Numerical	
	Methods.	
A2 2:	Mechanics topics covered are:	External written examination
Applied	Variable acceleration, Projectiles, Moments,	1 hour 30 mins
Mathematics	Impulse and Momentum.	Students answer all questions.
	Statistics topics covered are:	24% of A level
	•	
	Probability, Statistical distributions, Statistical hypothesis testing.	

Accountant, Actuary, Astronomer, Architect, Bank Manager/Officer, Careers in Buying and Selling, Logistics/Distribution Manager, Economist, Factory Manager, Investment Analyst, Market Research Executive, Accountancy, Technician, Marketing Manager, Medical Researcher, Meteorologist, Production Manager, Shop Keeper, Statistician, Surveyor, Computer Programmer, Quantity Surveyor, Building Society Manager/Clerk, Systems Analyst, Operational Researcher, Chartered Engineer, Insurance, Mathematics Teacher, Engineering, Craftsperson, Financial Adviser, Primary School Teacher

## **GCE MODERN LANGUAGES - FRENCH** (A Russell Group facilitating subject)

Overview				
<ul> <li>ability to communicate</li> <li>learn about the control</li> <li>other countries and control</li> <li>If you have an interest well suited to this control</li> <li>French. It will strenge</li> </ul>	give you a fascinating insight into the world of I te confidently and effectively in French in both sp temporary society, cultural background and herit communities where French is spoken. est and a desire to learn and experience the world urse! Your own personal development will also be gthen your confidence and help you gain a pos	eech and writing. You will also age of not only France but of d around you then you will be enefit greatly from taking GCE		
Examination Board	independent study.			
• CCEA				
AS Level (40% of A Level				
Unit	Content	Assessment		
1 - Relationships	<ul> <li>Family structures &amp; challenges</li> <li>Intergenerational issues</li> <li>Influences on young people</li> </ul>	AS Unit 1 – Speaking - 30%		
2- Culture and Lifestyle	<ul> <li>Physical well-being; stress; risk-taking behaviour; hobbies and Interests; the arts; social media and new technology; Holidays, festivals and tourism</li> </ul>	Reading and Use of language - 40% AS Unit 3 –Extended writing		
3 – Film or Literature Study	<ul> <li>Manon des Sources</li> </ul>	30%		
A2 Level (60% of A level)		-		
Unit	Content	Assessment		
4 – Young People and Society 5 – Our place in a	<ul> <li>Jobs, education and employment; young people and democracy; EU citizenship and societal attitudes</li> <li>Equality &amp; discrimination; immigration &amp;</li> </ul>	A2 Unit 1 – Speaking - 18% A2 Unit 2 – Listening and Reading - 24%		
changing world	emigration; multicultural society; conflict; sustainable living and environment	A2 Unit 3 – Extended writing – 18%		
6 – Literature & Society	You will also study <b>one</b> of the following texts for written assessment: • Mauriac: <i>Thérèse Desqueyroux</i>			
	<ul> <li>Matriac. Therese Desqueyroux</li> <li>Pagnol: La Gloire de mon pè re; or</li> <li>Sartre: Les Mains sales.</li> <li>As part of the speaking test, you will discuss one of the following themes</li> </ul>			
Society.	<ul> <li>Region:</li> <li>Culture: or</li> <li>A Period in 20th century France.</li> </ul>			
Careers	· · · · · · · · · · · · · · · · · · ·	·		
As well as traditional la translating, diplomatic se	nguage-based careers, such as travel, tourism, h ervice, business, journalism, many Modern Langua edical careers, retail or personnel management, s	ges' students go on to work in		

translating, diplomatic service, business, journalism, many Modern Languages' students go on to work in science, engineering, medical careers, retail or personnel management, sales and marketing, financial work, law, public relations, management services or computing.— being able to speak a foreign language opens lots of careers to you! You will have **many** transferable skills!

## GCE MOVING IMAGE ARTS

## Overview

Moving Image Arts is the study of films and film-making through the process of making short films. Through hands-on experience, students develop the creative and practical skills needed to make moving image products. Students gain an understanding of the separate art forms that combine to create the cinematic experience: cinematography, editing, art direction, sound design and animation. They also study the language and history of film and animation, through the work of a range of directors and movements.

## Q. Why study GCE Moving Image Arts?

The moving image is a key driver of the creative industries. Moving Image Arts is an ideal course for any student wanting to pursue a career in film, TV, games development or internet content provision. It helps students to develop their creative and critical abilities in writing, directing, editing, producing and analysing film works. Students also explore the history of the moving image and its relationship with other art forms and disciplines to inform, inspire and contextualise their work. Moving Image Arts offers a challenging and rewarding course for students intent on any career path and includes many transferable skills, for example independent thinking, creative thinking, decision making, teamwork and setting and meeting deadlines. It promotes developing creative enterprise, technical literacy, research, analysis and evaluation skills, plus leadership, planning, organisation and people management skills. It offers a solid foundation for progression into higher education and employment.

## Q. What do I need to take this course?

Students are not required to possess prior knowledge of or a certain level of attainment in the subject.

However, the online examinations for both the AS and A2 courses require students to demonstrate basic keyboarding and word processing skills.

Examination Board		
o CCEA		
AS Level		
Unit	Content	Assessment
Unit AS 1:	Students must produce:	o 24 % of A level
Realist and Formalist	a Statement of Intention;	<ul> <li>60% of AS</li> </ul>
Techniques and the	<ul> <li>pre-production materials;</li> </ul>	<ul> <li>Teachers mark the</li> </ul>
Classical Hollywood	• a one 3–4 minute narrative film sequence or 11/2 – 2 minute	coursework and
Style: Foundation	animation sequence based on provided stimuli; and	CCEA moderate the
Portfolio	an evaluation.	results.
Unit AS 2:	Students take a 1 hour 30 minute long, online examination with questions	<ul> <li>16% of A level</li> </ul>
Moving Image Arts	on clips from set study areas.	<ul> <li>40% of AS</li> </ul>
Critical Response	Section A – Hitchcock and the Classical Hollywood Style	• The examination is
	Section B – Formalism: Early European Cinema and American	externally set and
	Expressionism	externally marked.
A2 Level		
Unit	Content	Assessment
Unit A2 1:	Students must produce:	<ul> <li>36% of A level</li> </ul>
<b>Creative Production</b>	an Illustrated Essay;	<ul> <li>60% of A2</li> </ul>
and Research:	<ul> <li>pre-production materials;</li> </ul>	• Teachers mark the
Advanced Portfolio	<ul> <li>one 4–7 minute long narrative film or 2–31/2 minute long</li> </ul>	coursework and
	animation; and	CCEA moderate the
	an evaluation	results.
Unit A2 2:	Students take a two hour and fifteen minute online examination with	<ul> <li>24% of A level</li> </ul>
Advanced Critical	questions based on clips from set study areas and an unseen script.	<ul> <li>40% of A2</li> </ul>
Response	<ul> <li>Section A – Realism: Narrative and Visual Style</li> </ul>	o CCEA set the
	Section B – Creative Exercise	examination and
	Section C – Comparative Analysis	mark it.
Careers		
	to caroors in TV production Video Editing App Design Print Journalism	A durantizina Durana

A keen interest and enthusiasm for the subject are essential. Students should be self-motivated and keen to learn and share new skills.

## **Examination Board**

This course could lead to careers in: TV production, Video Editing, App Design, Print Journalism, Advertising, Programme Researcher, Broadcast Journalism, Public Relations, Market Researcher, Television/TV/TV Producer, Multimedia Specialist, Film Industry, Online Advertising and Media, Media Analyst, and Animation.

## **GCE MUSIC**

Overview			
• AS Music gives you the opportunity to develop your musical skills and to build on the knowledge, skills			
and unders	standing promoted through KS3 and GCSE studies. Listening, composin	g and performing are	
the main fo	in focus throughout this specification.		
	A2 Level Music gives you the opportunity to develop your musical skills further.		
industry. S	tudying Music is extremely beneficial as a stepping stone to numerous	music and non-music	
related car			
Examination B	oard		
o CCEA			
AS Level			
Unit	Content	Assessment	
AS1	Students are asked to perform a selection of pieces of Music of their	32.5% of AS	
PERFORMING	own choice lasting between 5 and 7 minutes. The standard of	13% of A level	
	performance should be a minimum of grade 4. Performance can be		
	either as a soloist or as part of an ensemble. A short viva voce	External Assessor	
	(discussion) will allow students to discuss the performance with the		
	external assessor.		
AS2	There are two choices within this module: Composition or Composition	32.5% of AS	
COMPOSING	with technology. In the composition option students must compose a	13% of A level	
	piece of their own music In the composition with technology option		
	students are given a melodic stimulus and asked to make an	Internally Assessed	
	arrangement using either sequencing or multi-track recording		
	techniques. In both options the composition/arrangement should last	External Moderation	
	between 21/2-3 minutes. A commentary explaining the composition		
	process should be included with a word limit of 1000 words.		
AS 3	This module contains 3 compulsory Areas of Study which are assessed	35% of AS	
RESPONDING	through Aural and written examinations. The Areas of Study include:	14% of A level	
TO MUSIC	Music for Orchestra 1700-1900, Sacred Vocal Music (Anthems) and		
401 1	Secular Vocal Music (Musicals).		
A2 Level	<b>^</b>	<b>A</b> .	
Unit	Content	Assessment	
A2 1	Performance at A2 level is the same as for AS level with the	19.5% of A level	
PERFORMING	performance lasting between $8 - 10$ minutes. Grade 5 is the minimum		
	standard required but pupils will gain further credit if they perform	External Assessor	
42.2	above this level.	10 50/ of A lovel	
A2 2	The two choices at A2 level are the same as for AS level. The length of	19.5% of A level	
COMPOSING	composition is 2-3 minutes and the commentary is extended to no more than 1200 words.	Internally Assessed External Moderation	
A2 3	This module contains 3 compulsory Areas of Study which are assessed	21% of A level	
RESPONDING	through Aural and written examinations. The Areas of Study include:	21% OF A level	
TO MUSIC	Music for Orchestra in the 20 <sup>th</sup> century, Sacred Vocal Music		
10 100510	(Mass/Requiem Mass) and Secular Vocal Music (1600–present day).		
Careers			
	ucer, Sound Technician/Operator - TV /Film/Video/Theatre, Radio Studio	Manager Disc Jockey	
	Presenter/Researcher, Videotape Editor, Stagehand/Roadie, Music Teacher,	_	
Instrument Maker/Repairer, Musician, Singer, Composer, Piano Tuner, Orchestra Secretary, Music Retailer, Music			
Librarian, Music Publisher, Conductor, Recording Industry, Actor, Music Critic, Floor/Stage Manager, Teacher, Manager/			
Administrator - Orchestra/Opera/Ballet Company, Music System/Electronic Instrument/Studio Equipment Designer /			
Many other non-subject related careers value a background in Music due to the transferable skills it employs.			
IT'S WRODALV ASS	sumed that when it comes to iobs. music students are confined to their field of	stuav, in reality, music	

"It's wrongly assumed that when it comes to jobs, music students are confined to their field of study. In reality, students go on to do a wide range of jobs in a variety of different industries." Quote from **The Guardian** Newspaper **THE CREATIVE INDUSTRIES ARE ONE OF THE FASTED GROWING INDUSTRIES IN N. IRELAND!** 

## **BTEC MUSIC TECHNOLOGY**

	hnology involves the use of electronic devices and computer software t	to facilitate playbac	
-	ng, composition, storage and performance.		
	hnology, like other forms of technology, advances rapidly. This new BT		
specificati	on provides opportunities to embrace recent developments in the field.		
o This BTEC	Music Technology specification involves much practical work and encou	urages the cultivation	
of a wide	range of skills.		
Examination I	Board		
o Pearso	on / Edexcel		
AS Level			
Unit	Content	Assessment	
Unit 25 –	In this unit pupils will be involved in practical tutorials to learn how to	33% of AS	
Music	use the equipment in the studio, how to set up and record performers	16.5% of A level	
Production	using the correct microphones and recording techniques, and will		
Techniques	produce a track recording live musicians. The pupil is then required to	Internal Assessmen	
(Mandatory)	mix the final product and write about the process.		
Unit 2 –	In this unit you will investigate and research audio engineering	33% of AS	
Audio	principles in order to understand aspects of digital audio including how	16.5% of A level	
Engineering	it is converted from analogue and stored digitally. This unit requires a	10.570 017(10001	
Principles	number of written reports.	Internal Assessmen	
Unit 32 –	In this unit pupils will get practical experience of composing music using	33% of AS	
Sequencing	MIDI and audio sequencing. Pupils will be required to learn how to set	16.5% of A level	
Systems and	up MIDI equipment, and use this equipment to compose a short piece	10.5% OF A level	
Techniques	of music, produce a remix of existing music, and to compose a final	Internal Assessmen	
(Specialist	piece of music using audio sequencing techniques. Pupils are required	Internal Assessmen	
unit)	to document their work and produce a final report.		
A2 Level			
Unit	Content	Assessment	
Unit 9 –		33% of AS	
	In this unit pupils work as part of a team to record, mix, and deliver a	16.5% of A level	
Delivering a	music product. Pupils will be allocated one or more roles in the team	16.5% of A level	
music	and will be involved in all aspects of the production of the music		
product	product. Pupils are required to document their work and produce a final report.	Internal Assessmen	
	· · ·	33% of AS	
Unit 26 –	In this unit pupils are required to compose a short piece of music that	33% of AS	
Unit 26 – Music	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires	33% of AS 16.5% of A level	
Unit 26 – Music Technology	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the	16.5% of A level	
Unit 26 – Music Technology n	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to	16.5% of A level	
Unit 26 – Music Technology	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the	16.5% of A level	
Unit 26 – Music Technology n Performance	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to document their work and produce a final report.	16.5% of A level Internal Assessmen	
Unit 26 – Music Technology n Performance Unit 39 – The	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to document their work and produce a final report. In this unit pupils will learn about all aspects of the music industry and	16.5% of A level Internal Assessmen 33% of AS	
Unit 26 – Music Technology n Performance Unit 39 – The Sound and	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to document their work and produce a final report. In this unit pupils will learn about all aspects of the music industry and will investigate careers in the music industry. Pupils will take part in an	16.5% of A level Internal Assessmen	
Unit 26 – Music Technology n Performance Unit 39 – The Sound and Music	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to document their work and produce a final report. In this unit pupils will learn about all aspects of the music industry and will investigate careers in the music industry. Pupils will take part in an industrial visit to a recording studio and will be encouraged to contact	16.5% of A level Internal Assessmen 33% of AS 16.5% of A level	
Unit 26 – Music Technology n Performance Unit 39 – The Sound and	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to document their work and produce a final report. In this unit pupils will learn about all aspects of the music industry and will investigate careers in the music industry. Pupils will take part in an industrial visit to a recording studio and will be encouraged to contact people in the music industry to discover more about the roles that can	16.5% of A level Internal Assessmen 33% of AS 16.5% of A level	
Unit 26 – Music Technology n Performance Unit 39 – The Sound and Music Industry	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to document their work and produce a final report. In this unit pupils will learn about all aspects of the music industry and will investigate careers in the music industry. Pupils will take part in an industrial visit to a recording studio and will be encouraged to contact	16.5% of A level Internal Assessmen 33% of AS	
Unit 26 – Music Technology n Performance Unit 39 – The Sound and Music Industry <b>Careers</b>	In this unit pupils are required to compose a short piece of music that they will perform using music technology equipment. This unit requires pupils to study the equipment available for live performance and the final performance will be recorded as evidence. Pupils are required to document their work and produce a final report. In this unit pupils will learn about all aspects of the music industry and will investigate careers in the music industry. Pupils will take part in an industrial visit to a recording studio and will be encouraged to contact people in the music industry to discover more about the roles that can	16.5% of A level Internal Assessmen 33% of AS 16.5% of A level Internal Assessmen	

Many other non-subject related careers value a background in Music Technology due to the transferable skills it employs.

## GCE NUTRITION AND FOOD SCIENCE

## Overview

The central focus of Nutrition and Food Science education is the health and wellbeing of people in their everyday living. This involves enabling students to address increasingly complex challenges related to human needs and the management of resources to meet these needs. You need the knowledge, skills and attitudes developed in a study of Nutrition and Food Science to understand and challenge the way society impacts on health and wellbeing.

## Aims

You will be encouraged to:

- develop and apply knowledge, understanding and skills to meet human need in a
- broad range of activities;
- develop an awareness of the how to manage resources to meet an identified human need in a diverse and ever-changing society;
- develop higher order critical thinking skills such as problem-solving and decision making;
- develop personal capabilities such as self-management and working with others;
- become independent and lifelong learners;
- develop Cross-Curricular Skills of Communication, Using Mathematics and Using ICT;
- take account of and develop an awareness of rapid technological changes and the growth of scientific knowledge and understanding;
- Carry out research and present their findings in different formats; and
- Demonstrate through challenging internal and external assessments that they understand and can apply key concepts.

## **Examination Board**

CCEA				
AS Level	AS Level			
Unit	Content	Assessment		
1 – Principles of Nutrition	Focuses on the study of nutrients and other dietary constituents. Students also study nutritional requirements and current dietary recommendations for each life stage. • Protein • Fat • Carbohydrate • Vitamins • Minerals • Trace-minerals • Water and other fluids • Nutrition through life • Nutrient requirements	<ul> <li>50% of AS</li> <li>20% of A Level</li> <li>Written examination lasting 1 hour 30 minutes</li> <li>Students answer all short questions in Section A and two extended writing questions from a choice of three in Section B.</li> </ul>		
2 – Diet, Lifestyle and Health	<ul> <li>Focuses on current research on diet, lifestyle and health.</li> <li>Eating patterns</li> <li>Energy and energy balance</li> <li>Diet-related disorders:-         <ul> <li>Overweight / obesity</li> </ul> </li> </ul>	<ul> <li>50% of AS</li> <li>20% of A2</li> <li>Written examination lasting 1 hour 30 minutes</li> <li>Students answer all short questions in Section A and three</li> </ul>		



	<ul> <li>Cardiovascular disease</li> <li>Cancer</li> <li>Type 2 diabetes</li> <li>Alcohol</li> <li>Physical activity</li> </ul>	extended writing questions from a choice of four in Section B.
A2 Level		
Unit	Content	Assessment
3 – Option A – Food Security and Sustainability OR Option B – Food Safety and Quality	<ul> <li>Focuses on the consumer behaviour when making food purchasing decisions and consider the issues and implications of consumer food choice:-</li> <li>Food security</li> <li>Food poverty</li> <li>Food sustainability</li> <li>Food waste</li> <li>Changing consumer behaviours</li> <li>OR</li> <li>Focuses on exploring how to secure a safe food supply from the primary producer to the consumer:-</li> <li>Food safety</li> <li>Safety through the food chain</li> <li>Microbiological contamination</li> <li>Chemical contamination</li> <li>Additives</li> <li>Allergens</li> <li>Controls and legislation</li> </ul>	<ul> <li>30% of A level</li> <li>Written examination lasting 2 hours 30 minutes</li> <li>Students answer a compulsory structured question in Section A and three extended writing questions from a choice of four in Section B.</li> </ul>
4 – Research Project	Students will choose a research area from <u>any of</u> <u>the other 3 units</u> (AS 1, AS 2 or A2 1) and produce a report of no more than 4,000 words. Teachers mark the projects, and CCEA moderate the results.	<ul> <li>30% of A level</li> <li>Internal Assessment (completed in class)</li> </ul>
Careers		
Waiter, Chef/Co Shop Retailer, Environmental	inistry of Agriculture, Fisheries & Food Nutritionist, ook, Confectioner, Consumer Adviser, Dietician, Home Food Writer/Photographer, Health Promotion Of Health Officer, Home Economist, Fast Food ( Teacher in Food Technology/Catering/Hospitality,	Care Organiser, Fishmonger, Food ficer, Trading Standards Officer, Operative, Restaurant Manager,

Demonstrator, Teacher in Food Technology/Catering/Hospitality, Bar Attendant, Careers in Manufacturing, Food Guide Inspectors, Food Scientist, Microbiologist, Technical Brewer

### **BTEC National PHYSICAL EDUCATION**

### Overview

**Examination Board** 

You are expected to put in, on average, 1 hour of private study every day (Mon-Fri) to meet the requirements of the course.

**Exams?** None. **Coursework?** Lots! On average you will have to meet a deadline every other week

GCSE PE? Helps, but is not a requirement

To complete this course successfully you need to...

 $\circ \ \ \mbox{work steadily} \ \ \circ \ \ \mbox{meet deadlines} \ \ \ \circ \ \ \mbox{carry out research independently}$ 



Levels of achievement? Pass (16 UCAS points), Merit (32 UCAS points), Distinction (48 UCAS points)

AS Level		
Unit	Content	Assessment
Anatomy and	• Structure and function of the skeletal system, muscular system,	<ul> <li>Internally</li> </ul>
Physiology	cardiovascular system and the respiratory system	assessed
	<ul> <li>The types of energy system</li> </ul>	
Physiology of	<ul> <li>The body's response to acute exercise</li> </ul>	
Fitness	<ul> <li>The long-term effects of exercise on the body systems</li> </ul>	
	<ul> <li>An investigation of the physiological effects of exercise</li> </ul>	
Assessing Risk	<ul> <li>Factors that influence health and safety</li> </ul>	<ul> <li>Internally</li> </ul>
in Sport	<ul> <li>How to carry out risk assessments</li> </ul>	assessed
	<ul> <li>How to maintain safety in a sports' environment</li> </ul>	
	<ul> <li>Planning a safe sporting activity</li> </ul>	
Fitness Testing	<ul> <li>Knowledge of Fitness Test</li> </ul>	<ul> <li>Internally</li> </ul>
for Sport and	<ul> <li>Health screening techniques</li> </ul>	assessed
Exercise	<ul> <li>How to administer fitness tests</li> </ul>	
	<ul> <li>Interpret results of fitness test and give feedback</li> </ul>	
A2 Level		
Unit	Content	Assessment
Sports	<ul> <li>Roles, responsibility and skills of coaches</li> </ul>	<ul> <li>Internally</li> </ul>
Coaching	<ul> <li>Coaching techniques</li> </ul>	assessed
	<ul> <li>Planning coaching sessions</li> </ul>	
	<ul> <li>Delivering and evaluating coaching sessions</li> </ul>	
Practical Team	<ul> <li>Skills and techniques in 2 team sports</li> </ul>	<ul> <li>Internally</li> </ul>
Sports	<ul> <li>Rules and regulations in 2 team sports</li> </ul>	assessed
	• Performance analysis of own performance in 2 team sports	
	• Performance analysis of a team performance in 1 team sport	
Exercise,	<ul> <li>Lifestyle factors</li> </ul>	<ul> <li>Internally</li> </ul>
	<ul> <li>Lifestyle assessment</li> </ul>	assessed
Health and	<ul> <li>Lifestyle consultation process</li> </ul>	
Health and Lifestyle	<ul> <li>Planning health-related fitness programme</li> </ul>	

Instructor/Coach, PE Teacher, Stunt Performer, Health & Fitness Instructor, Children's Holiday Representative, Outdoor Pursuits Instructor, Army, Royal Navy Officer, Royal Navy Rating, Royal Air Force Officer, Royal Air Force Airman/woman, Royal Marines Officer, Royal Marine, Swimming Pool Attendant/Lifeguard, Police Officer, Diver, Sports Journalist, Sports Scientist, Sports Commentator, PE Instructor

### **GCE PERFORMING ARTS**

Overview		
<ul> <li>Perform researcher</li> <li>further t</li> </ul>	ing arts is a growth industry in Northern Ireland. This AS/A2 level gives h and gain insights into the industry, engage with effective practice and raining and/or study.	prepare for employment,
<ul> <li>The tea</li> </ul>	ecification offers a wide range of skills in both performance and production cher acts as facilitator in helping students to develop their chosen skills a p performances in the absence of a group director.	
<ul> <li>AS/A2 I</li> </ul>	Performing Arts is an applied qualification in which students develop kr Is through practical demonstration and/or in a context related to employab	
<b>Examination B</b>	oard	
o CCEA		
AS Level		
Unit	Content	Assessment
AS1	This unit gives students the opportunity to develop one discipline	60% of AS
DEVDELOPING SKILLS AND	within performing arts (from either Performance or Production) and then apply this discipline in a performance context. To develop the discipline, students work individually and in groups of between two	24% of A level
REPERTOIRE	and nine. They explore two contrasting extracts of repertoire from a range of existing material including musical scores, set works and	Internally Assessed
	published extracts.	Externally Moderated
	A portfolio, including a summary of research, skills audit, record of work, risk assessment, either live performance or production and	
	presentation, and evaluation.	
	Students can focus on Dance, Drama, Music, Choreography, Design (set or costume), Direction, Stage Management, Sound or Lighting.	
AS2 PLANNING	This unit involves responding to pre-release stimulus material. This will be concept, theme or issue based. Students interpret this stimulus to create a performing arts event that will draw on existing material.	40% of AS 16% of A level
AND REALISING A	Students present their performing arts event to an audience and the	Externally Assessed
PERFORMING	external examiner in groups. Each group should consist of between	Externally Assessed
ARTS EVENT	two and nine students. Although each group prepares and presents the work, the external examiner assesses each student as an individual.	
	Performances should last between 10 and 40 minutes, depending on the size of the group.	
A2 Level		-
Unit	Content	Assessment
A2 1	This unit gives students the opportunity to develop their understanding of how to find work in their chosen discipline. Students work	60% of A2
PLANNING	individually to explore the range and scope of employment	36% of A level
FOR EMPLOYMENT	opportunities in the performing arts industry. They develop materials that will assist them in gaining employment in their chosen discipline. Students will acquire knowledge and understanding of how to gain	Internally Assessed
	work in the performing arts industry by investigating the training required, the jobs available and the role of unions, agents and	Externally Moderated
	recruitment agencies in securing work locally and nationally. Students should compile their research in a written report. Students create an employment plan that reflects the knowledge gained through	
	their research.	
A2 2	This unit gives students the opportunity to form a production company	40% of A2
PERFORMING	to realise a performing arts event based on a set stimulus. Students	24% of A level
ΤΟ Α	research, promote, plan and perform the event. Students demonstrate their skills in their chosen discipline by realising	Externally Assessed
COMMISION BRIEF	the stimulus practically for an audience and the external examiner. Students focus on performing or producing original material They work	
	to an agreed production schedule to meet deadlines.	
	Students decide on a suitable venue for the performance and take account of production, budgetary constraints and target audience.	
тн	IE CREATIVE INDUSTRIES ARE ONE OF THE FASTEST GROWING INDUSTRIES IN I	N. IRELAND!

### **GCE PHYSICS** (A Russell Group facilitating subject)

### Overview

Physics at A level will follow the CCEA specification. Further information on Physics at A level can be viewed on the CCEA website: <u>www.ccea.org.uk</u>. The details below were correct when printed but are subject to change.

In Physics you will look at the gravitational fields of the very largest stars to the incredibly small basic particles that join together to form protons and neutrons.

The areas of study in L6th are forces, motion, energy, electricity, waves, quantum physics and health physics. In U6th you will study momentum, oscillations, thermal physics, gravitational, electric and magnetic fields and nuclear physics.

Examination Board		
o CCEA		
AS Level		
Unit	Content	Assessment
1 – Forces, Energy and Electricity	Forces, motion, energy and electricity are dealt with in a very mathematical manner. This builds on work from Years 11 and 12 on the same topics.	<ul> <li>40% of AS</li> <li>16% of A level</li> </ul>
2 – Waves, Quantum Physics, Medical Imaging and Astronomy	Following on from Year 12's work on waves, you will study sound and light. Medical imaging and quantum physics are the only completely new topics this year. The astronomy section deals with the GCSE Earth in Space topic in more detail.	<ul> <li>40% of AS</li> <li>16% of A level</li> </ul>
3 – Practical Techniques and Data Analysis 1	In this section you will be carrying out practicals, recording results and analysing your findings.	<ul> <li>20% of AS</li> <li>8% of A level</li> </ul>
A2 Level		
Unit	Content	Assessment
4 – Deformation of Solids, Thermal Physics, Circular Motion, Oscillations and Atomic and Nuclear Physics	The first topic examines how materials behave when forces act on them. Thermal physics, circular motion and nuclear physics follow on from Year 11 work in GCSE Physics.	<ul> <li>40% of A2</li> <li>24% of A level</li> </ul>
5 – Fields and their Applications	You will study gravitational, electric and magnetic fields before looking at particle accelerators and quarks – the most basic particles in nuclei.	<ul> <li>40% of A2</li> <li>24% of A level</li> </ul>
6 – Practical Techniques and Data Analysis 2	This involves practical work at a more advanced level than last year.	<ul> <li>20% of A2</li> <li>12% of A level</li> </ul>

Aeronautical Engineer, Architect, Astronomer, Astrophysicist, Automobile Engineer, Building Surveyor, Civil Engineer, Cyberneticist, Electrical Engineer, Flight Engineer, Forensic Scientist, Geophysicist, Laboratory Technician, Land Surveyor, Materials Scientist/Technologist, Medical Physicist, Metallurgist, Meteorologist, Mining Engineer, Motor Mechanic, Nuclear Scientist, Radiographer, Research Physicist, Structural Engineer, Physics Teacher, Marine Engineer, Optometrist, Recording Engineer, Engineering Craftsperson, Patent Examiner, Medical Technical Officer, Biophysicist

### Overview

### What is Psychology?

**Examination Board** 

Psychology is often defined as the scientific study of behaviour. This means that virtually anything which organisms do, from humans to simple animals, is part of the subject matter of Psychology.

Psychologists have undertaken the task of describing behaviour thoroughly and objectively, and of constructing theories which allow the variety and complexity of behaviours to be related to underlying principles.

These qualifications are linear. Linear means that students will sit all the AS exams at the end of their AS course and all the A-Level exams at the end of their A-Level course.

o AQA		
AS Level		
-	Content	Assessment
Unit 1 – Introductory Topics in Psychology (Social Influence, Memory and Attachment).	ContentSocial InfluenceTypes of conformity; conformity to social roles; explanations for obedience; explanations of resistance to social influence; minority influence; the role of social influence in social change.MemoryThe multi-store model of memory; types of long-term memory; the working memory model; explanations for forgetting; the accuracy of eyewitness testimony and how to improve it.Attachment Caregiver-infant interactions in humans; animal studies of attachment; cultural variations in attachment; Bowlby's theory of maternal deprivation; the influence	<ul> <li>Assessment</li> <li>2x 1½ hour papers</li> <li>Each paper is worth 50% of the AS qualification</li> <li>Papers consist of a mix of multiple choice, short answer and extended writing.</li> </ul>
Unit 2 – Psychology in Context (Approaches in Psychology, Psychopathology, Research Methods)	of attachment on childhood and adult relationships. Approaches in Psychology Origins of Psychology; learning approaches; the cognitive approach; the biological approach - the division of the nervous system, the structure and function of sensory, relay and motor neurons, the function of the endocrine system; the fight or flight response. Psychopathology Definitions of abnormality; the behavioural, emotional and cognitive characteristics of phobias, depression and OCD; the behavioural approach to explaining and treating phobias; the cognitive approach to explaining and treating depression; the biological approach to treating OCD. Research Methods Experimental method; observational techniques; self- report techniques; correlations; scientific processes data handling and analysis (quantitative and qualitative data, primary and secondary data, descriptive statistics, presentation and display of data, distributions and introduction to statistical testing).	

A-Level		
Unit	Content	Assessment
Unit 1 –	Social Influence	• 3x 2 hour papers
Introductory	Memory	• Each paper is worth 33.3% of A-
Topics in	Attachment	Level qualification
Psychology	Psychopathology	<ul> <li>Papers consist of a mix of multiple</li> </ul>
1 5 7 611 61 6 8 7	See AS content	choice, short answer and extended
Unit 2:	Approaches In Psychology	writing.
Psychology in	Same as AS content above plus:	writing.
Context –	The psychodynamic approach; Humanistic psychology	
Approaches in	and Comparison of approaches	
Psychology,		
	Biopsychology Same as AS content above plus:	
Biopsychology		
and Research	Localisation of function in the brain and hemispheric	
Methods	lateralisation; Ways of studying the brain and	
	Biological rhythms	
	Research Methods	
	Same as AS content plus:	
	Content Analysis; Case Studies; Reliability; Validity	
	Features of science; Reporting psychological	
	investigations; Analysis / interpretation of correlation;	
	Levels of measurement; Content analysis and coding	
	Issues and debates	
Unit 3 - Issues	Gender and culture in Psychology; Free will and	
and options in	determinism; the nature-nurture debate; Holism and	
Psychology –	reductionism; Idiographic and nomothetic approaches	
Issues and	and Ethical implications of research and theories	
Debates in	Cognition and development	
Psychology,	Piaget's theory of cognitive development: and stages	
Cognition and	of intellectual development. The development of	
Development,	social cognition: Selman's level of perspective taking.	
Schizophrenia	The role of mirror neutrons in social cognition and	
and Aggression	Theory of Mind as an explanation for Autism.	
	Schizophrenia	
	Classification of schizophrenia; Biological explanations	
	for schizophrenia; Psychological explanations for	
	schizophrenia; Drug therapy; Cognitive behaviour	
	therapy and Interactionist approaches	
	Aggression	
	Neural and hormonal mechanisms in aggression,	
	including the role of the limbic system, serotonin and	
	testosterone. Genetic factors in aggression, including	
	the MAOA gene. Institutional aggression in the context	
	of prisons. Media influences on aggression, including	
	the effects of computer games.	
Careers		

Art therapist, aviation psychologist, child care worker, clinical psychologist, counsellor, correctional treatment specialist, criminal investigator, crisis counsellor, cognitive psychologist, developmental psychologist, educational psychologist, employment recruiter, engineering psychologist, environmental psychologist, family and marriage therapist, financial aid counsellor, forensic psychologist, grief counsellor, health psychologist, human resources advisor, journalist, lawyer, market researcher, music therapist, neurologist, occupational therapist, probation officer, psychiatric social worker, public relations agent, publishing agent, psychiatrist, recreational therapist, rehabilitation counsellor, social worker, sports psychologist, statistician, teacher, youth worker

### GCE RELIGIOUS STUDIES

### **Overview**

A-Level Religious Studies at KHS will help deepen your knowledge and understanding of the Bible through an in-depth study of four key books, as well as develop an appreciation of how the Christian Church formed and developed in the years preceding Jesus' ascension into Heaven. AS/A2 Level RS is designed to help you stretch your thinking, challenge your opinions and evaluate your own beliefs as well as those of others. The course consists of 2 modules, which are studied over the 2 years:

### (1) New Testament Textual studies - A study of the Book of Acts, 1<sup>st</sup> Corinthians and Galatians and **Ephesians**.

You will undertake a detailed, thorough and in depth analysis of the texts of Acts, 1<sup>st</sup> Corinthians, Galatians and Ephesians. You will be expected to not only know the main content/themes of these four books, but also understand the cultural and contemporary relevance of them. You will discuss some key issues of theology such as: The Characteristics of the early Christian community in Acts; Mission in the church today; Religious conversions; the Faith v Works debate; the role of the Holy Spirit in the church today; the Gifts of the Spirit and their relevance today and much more.

### (2) The Early Church – a study of the beginnings and growth of the Christian Church from the ascension of Jesus until the fourth century.

You will take a look at how that Early Christian Church grew and expanded across the Roman Empire after the ascension of Jesus into Heaven. You will see that despite much persecution from the Emperors of Rome, the Christian faith very quickly grew and spread across the Empire. You will look at some key figures and see how their influence helped to shape the future generations of the church. You will also discuss some key theological issues such as: Persecution in the church today; Religion and politics; Identifying false teachings in the Church; How the Bible was put together; The Trinity; How the early Christians worshipped and many more.

There is also an optional **trip to Rome**, which really helps to 'bring the course to life' - it certainly is a trip that you won't forget in a hurry!

AS Level		
Unit	Content	Assessment
AS 2	An Introduction to the Acts of the Apostles	2 x 1hr 20 min exam
AS 4	The Origins and Development of the Early Church	40% of A-Level
A2 Level		
Unit	Content	Assessment
A2 2	Themes in Selected Letters of St. Paul	2 x 2hr exam
A2 4	Themes in the Early Church and the Church today	60% of A-Level

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Law, Solicitor, Social Work, Medicine, Journalism and broadcasting, Counselor, Publishing, Radio, Television, Film, Ministry, Education, Health and Welfare Ministries, Missionary, Social Services, Minister/Pastor/Priest, Youth work, Church work, Business or marketing, Psychology, Chaplaincy, Foreign service (i.e., diplomatic corps), Health care (e.g., chaplaincy), Police service, Fire Service, Paramedic, Politics, Historian, Event planning, Writer, Charity work, Hospitality, the Service industry, Museums and the arts

### **GCE DESIGN and TECHNOLOGY**

### Overview

o Technology and Design is about solving real life problems. It involves students in being creative through their use of a range of materials in order to design and realise solutions.

o This course offers students the opportunity to develop a range of skills through the design and making of a project that is chosen by the student in response to a theme set by the examining body. The course is useful for those who are considering a career in any form of design or engineering field.

This course combines well with Mathematics and Physics, Art and Design, Engineering and ICT

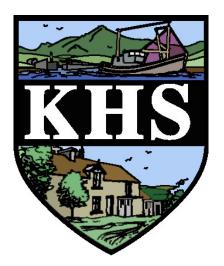
This subject is delivered as a 2 year course only – no AS award is offered.

### Preferred entry requirements

GCSE Grade C or above in either AQA Design and Technology Resistant Materials, or CCEA Engineering/Manufacturing

### **Examination Board** Edexcel A Level Component 1 Content Assessment Topics include 1: Materials; 2: Performance characteristics of materials; Principles Written of 3: Processes and techniques; 4: Digital technologies Design and examination: Technology 5: Factors influencing the development of products; 6: Effects of 2 hours 30 minutes technological developments; 7: Potential hazards and risk assessment 50% of the 8: Features of manufacturing industries; 9: Designing for maintenance qualification • The paper includes and the cleaner environment; 10: Current legislation; 11: Information calculations, shorthandling, Modelling and forward planning and 12: Further processes and open and opentechniques. response questions, as well as extended-writing questions. Component 2 Content Assessment Students individually and/or in consultation with a client/end user Independent Externally assessed Design and identify a problem and design context. Coursework. 50% • Students will develop a range of potential solutions which include the Make Project use of computer aided design and evidence of modelling. 40 page design • Students will be expected to make decisions about the designing and folder to include a development of the prototype in conjunction with the opinions of the working prototype client/end user. of the product • Students will realise one potential solution through practical making being designed. activities with evidence of project management and plan for production. • Students will incorporate issues related to sustainability and the impact their prototype may have on the environment • Students are expected to analyse and evaluate design decisions and outcomes for prototypes/products made by themselves and others • Students are expected to analyse and evaluate of wider issues in design technology, including social, moral, ethical and environmental impacts. Careers Product Designer, Design Assistant, Retail Display Assistant, Model Maker, Fashion Designer, Landscape Architect,

Jewellery Designer, Design Assistant, Retail Display Assistant, Model Maker, Fashion Designer, Landscape Architect, Jewellery Designer, Textile Designer, Wood Carver, Landscape Gardener, Metal Engraver, Potter, Glassmaker, Construction Craftsperson, Construction Technician, Shop Fitter, Engineering Technician, Chartered Engineer, Engineering Craftsperson, Cartographer, Orthotist/Prosthetist, Dressmaker, Design and Technology Teacher, Craft Designer, Blacksmith, Primary Teacher, Occupational Therapist, Interior Designer, Special Effects Designer, Graphic Designer, Dental Technician, Set Designer, Costume Designer Kilkeel High School



# ENRICHMENT PROGRAMME

Creating Opportunity ~ Realising Potential ~ Developing Individuals

### CAREERS EDUCATION, INFORMATION, ADVICE AND GUIDANCE

### Overview

The aim of Careers Education, Information, Advice and Guidance (CEIAG) is to enable you to become an effective career decision maker and to equip you with the skills to manage your own career development successfully and confidently.

Through the activities you carry out, you will get to know your strengths, interests, values, hopes and aspirations. You will also be given opportunities to consider how these can influence your future lifestyle, education and employment opportunities.



Careers lessons will incorporate the following key elements:

.....and will focus on three key areas:

*Self-Awareness and Development* - identifying, assessing and developing the skills and qualities necessary to choose and implement an appropriate career plan.

*Career Exploration* - acquiring and evaluating information, and reviewing experiences to identify and investigate appropriate career pathways and learning opportunities in education, training and employment, locally, nationally and internationally.

*Career Management* - developing skills in career planning, and employing effective career decisionmaking strategies to manage transition and make suitable career development choices, with the appropriate support, advice and guidance.

The Careers Department is equipped with a wide range of resources to assist you with your career exploration and planning. You will attend University Open Days, UCAS convention, and listen to a range of talks from employers and past pupils. You will also have the opportunity to participate in work experience.

### PHYSICAL EDUCATION

### Overview

In Sixth Form, you are encouraged to take part in Physical Education on a Wednesday afternoon. A wide range of activities is on offer and these take the form of many leisure activities, with which oyu can continue when they leave school.

Activities on offer include (You will choose 2 or 3 of these sports )

- Leisure Activities 1 ( Badminton , Pool , Table Tennis )
- Leisure Activities 2 ( Rounders, American Football, Volleyball )
- Swimming ( at the local Leisure Centre )
- Squash ( at the local Leisure Centre )
- o Fitness Suite ( at the Planet Pulse Gym in Kikeel Leisure Centre )
- Power Walking
- Hockey
- Football
- Basketball

Everyone will take part in Fitness Tests, Cross-country, House Matches & Athletics during the course of the year.

### **PSNI TRAFFIC BRANCH PRESENTATION**

Overview

This is aimed at new drivers in order to give awareness of road safety, the risks involved in driving and how to avoid them.

### MILLENNIUM VOLUNTEERS

Overview

You can volunteer in the community and become involved with the Millennium Volunteers' Scheme run by the school in association with their staff.

MV is all about getting you recognition for your volunteering - you get certificates backed by the Department of Education after you complete your first 50, 100 and 200 hours of volunteering. You can then use these when updating your CV or filling out job or UCAS applications to make yourself stand out.

### PEER TUTORING

### Overview

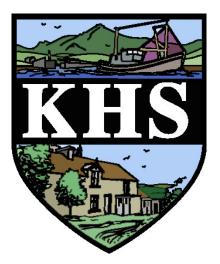
Our school operates a system whereby members of L6 can gain invaluable experience by volunteering to support pupils in other classes for one period per week. This can be a great addition to any personal statement, especially those considering employment involving working with young people, teaching, social work, nursing or those who just need a little more evidence of their personal qualities. Mrs McGregor co-ordinates this scheme.



Creating Opportunity ~ Realising Potential

Developing Individuals

# Kilkeel High School



# AUGUST ARRANGEMENTS

Creating Opportunity ~ Realising Potential ~ Developing Individuals

## **ADVICE?**

## **SENIOR STAFF**

will be in school on

THURSDAY & FRIDAY, 20<sup>th</sup> & 21<sup>st</sup> AUGUST MONDAY - THURSDAY 24<sup>th</sup> – 27<sup>th</sup> AUGUST

to help you with problems, offer advice and provide further information.

## INTERVIEWS

will take place on

Thursday 20<sup>th</sup> August (afternoon) and FRIDAY 21<sup>st</sup> August\*

for <u>all</u> prospective Sixth-Form students. Parents are welcome to attend.

PLEASE make an appointment at the Office as soon as GCSE results are known!

\*Alternative times may be arranged!

### **RECENT RESULTS**

2015	
'A':	81% passes (A*-C) and 96% passes (A*-E) 95% students gained 2 or more passes (A*-E) 100% students gained 1 or more passes (A*-E)
'AS' level:	87% passes (A*-E)
2016	
'A':	75% passes (A*-C) and 97% passes (A*-E) 90% students gained 2 or more passes (A*-E) 98% students gained 1 or more passes (A*-E)
'AS' level:	82% passes (A*-E)
2017 'A':	79% passes (A*-C) and 99% passes (A*-E) 98% students gained 2 or more passes (A*-E) 100% students gained 1 or more passes (A*-E)
'AS' level:	92% passes (A*-E)
2018	
'A':	86% passes (A*-C) and 99% passes (A*-E) 100% students gained 2 or more passes (A*-E) 100% students gained 1 or more passes (A*-E)
'AS' level:	80% passes (A*-E)
2019 'A':	55% passes (A*-C) and 90% passes (A*-E) 98% students gained 2 or more passes (A*-E) 100% students gained 1 or more passes (A*-E)
'AS' level:	86% passes (A*-E)

