



# RANGE HIGH SCHOOL

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Headteacher: Mr M McGarry MA, PGCE, NPQH

Dear Students and Parents/Carers,

November 2022

Welcome to the next, very exciting stage in your educational journey! I would like you to consider very carefully the next two years of your life as it will go by very quickly. I'm quite sure that all of the adults reading this will agree with me! I know your education has been disrupted over recent years but, I am hopeful that your Sixth Form education will mark a new start, a fresh beginning for all of you.

Most of you will know Range very well and will be aware of the excellent standards its students achieve. Many of you will have contributed to the school's successes over the last five years and will have decided that Range is the first and best choice for further study.

Range offers students the chance to excel through its educational programme, pastoral support and enrichment opportunities. Students routinely achieve 100% 'A' Level and BTEC pass rate and this year 67% of grades at 'A' Level were awarded A\*/B and over 44% of all grades were at A\*/A. In 2019 (the last year of published comparative data), Range was the top non-independent school in Sefton when considering the overall quality of grades achieved by students. Further details are available on the DFE performance table website, where we eagerly await the publication, in full, of this year's KS5 data.

The sixth form offer includes not only traditional 'A' Level qualifications but also an increasing variety of vocational qualifications. To guarantee you an automatic place on each pathway, subjects operate a minimum grade requirement which we will be happy to discuss with you.

Range offers opportunities for you to develop as a young person, both in school and in the community. There are many reasons why we feel that Range should be your choice. Some of those reasons are outlined below:

- high academic and vocational standards including provision for students with additional needs;
- access to dedicated facilities in our purpose built Sixth Form Centre;
- personal and individual attention and assistance regarding choice of courses, progress throughout and progression onto employment and further and higher education;
- outstanding pastoral care;
- group sizes which allow for flexible teaching and learning;
- a varied enrichment programme;
- a dedicated team of specialist teachers and support staff who will have your very best interests at the very centre of what they do.

Extensive information about pathways and courses, and our application form can be found in our online prospectus on our website at [www.range.sefton.sch.uk](http://www.range.sefton.sch.uk) as well as in this pack for you and your parents.

We take pride in the success of our students and hope that you will become part of that success at this fantastic sixth form. Good luck in making the very best decisions about your future, we look forward to supporting you in this journey. If you have any particular questions, do ask your teachers or get in touch with the Sixth Form Team.

Yours sincerely,

Mr McGarry  
Headteacher



### WELCOME TO RANGE SIXTH FORM

Range Sixth Form offers the opportunity to excel to all students, through a varied curriculum, (including 'A' level, Cambridge Technical and BTEC courses), as well as a wide variety of extra-curricular and enrichment activities.

We pride ourselves on our personal and pastoral care, treating each of our students as the individual they are. If you choose Range Sixth Form, we will work with you to enable you to achieve your academic potential, as well as providing opportunities to develop your extra-curricular interests.

Range Sixth Form has a track record of academic success, offering a diverse approach to teaching and learning, provided by specialist staff. We help all of our students to develop independent study skills beyond the classroom to support your learning.

Typically, students are taught in small classes, averaging about 15 students. Extensive support is offered to our students, including specialised Oxbridge preparation and continuous assistance with applications to either university, apprenticeships or employment. Range offers students the chance to excel through its educational programme, pastoral support and enrichment opportunities.

Students routinely achieve 100% 'A' level and BTEC pass rate. In 2022 67% of grades at 'A' level were awarded A\*-B (69% in 2021) and 44% were A\*/A (44% in 2021). In the most recent published government data (2019), Range was the top non-independent school in Sefton when considering the overall quality of grades achieved by students.

In 2021 and 2022 students progressed onto a range of degree course including: Business and International Business Management, Economics and Social Policy, Fashion Buying and Merchandising, Graphic and Communication Design, Medicine, Nursing, Psychology and Criminology, Pharmacology, Physics, Quantity Surveying, Sport and Exercise Science. Students also secured apprenticeships and scholarships including an Army Officer Scholarship at Sandhurst..

Range Sixth Form has a proven record of outstanding, personalised and pastoral support. If you join our Sixth Form community, we will ensure that you have access to tutorials, study support sessions and a wide array of wellbeing services. We provide an enrichment programme including: Extended Project Qualification, Duke of Edinburgh Award Scheme up to Gold Award, sporting fixtures, work experience, as well as subject based trips, visits and conferences.

We are also looking to the future, with further development and improvements to our facilities and curriculum offer on a continuing basis.

We are so proud of our students past and present. It is a privilege to experience their successes, achievements and contributions to the wider community on a daily basis.

We look forward to welcoming you into our Sixth Form and to supporting you to achieve excellence.



# **RANGE HIGH SCHOOL** **SIXTH FORM PATHWAYS**

The school offers three pathways to provide students with the maximum opportunity for success.

Applications should be made via the Range High School website

[www.range.sefton.sch.uk](http://www.range.sefton.sch.uk)



### **Pathway 1 (A Level Courses)**

Art	Geography
Biology	German
Business Studies	History
Chemistry	Mathematics
Computer Science	Media Studies
Drama	Physical Education
Economics	Photography
English Literature	Physics
French	Product Design
Further Mathematics	Psychology

Automatic consideration for **Pathway 1** will be given to students who achieve a minimum of **five GCSEs 9-4, including Grade 4 in English Language and Maths**, and who meet the individual subject requirements. *Students who do not meet the above requirements will be considered on an individual basis.*

The vast majority of students will choose three courses for A Level study. Many will also study for an extended project qualification (EPQ). *Where students want to study 4 A levels, this will be discussed on an individual basis.*

### **Pathway 2 (Vocationally Related Courses)**

A number of BTEC/Cambridge Technical courses are available. The BTEC National Diploma is a two-year course, equivalent to **two** A levels and the BTEC/Cambridge Technical Extended Certificate is equivalent to **one** A level. The Vocational level three qualifications allow students the opportunity to study in a different way to A level. They are accepted as entrance to many university courses.

#### **2 A level equivalent**

BTEC Business Studies National Diploma  
BTEC Health and Social Care National Diploma

#### **1 A level equivalent**

BTEC Digital Content Production Extended Certificate  
BTEC Health and Social Care Extended Certificate  
BTEC Digital Music Production Extended Certificate  
Cambridge Technical Sport & Physical Activity Extended Certificate

Automatic consideration for the **Pathway 2** will be given to students who have a minimum of **five GCSEs 9-4 including Grade 4 in English Language**. *However, students who do not meet the above requirements will be considered on an individual basis.*

If students select a BTEC National Diploma qualification, it will normally be studied in conjunction with a BTEC Extended Certificate qualification. However, it may be possible to study a BTEC National Diploma with one A level.

### **Pathway 3 (A Levels and Vocational Courses)**

Some students will want to study a combination of A level courses and Vocational Courses. *This is possible and will be discussed on an individual basis.*

**Please note that classes will only run if there is a viable group size.**

## RANGE SIXTH FORM – MINIMUM ENTRY REQUIREMENTS 2023



**For Pathway 1** - A minimum of 5 GCSEs 9-4 including Grade 4 or above in English Language and Maths plus the following requirements for each subject

**For Pathway 2** - A minimum of 5 GCSEs 9-4 including Grade 4 or above in English Language

**Please note:** All subjects require satisfactory academic and attitudinal references

SUBJECT	ACADEMIC REQUIREMENTS	OTHER REQUIREMENTS
A Level Art Craft & Design	<ul style="list-style-type: none"> <li>• Grade 6 or above in this subject for Pathway 1</li> <li>• Grade 6 or above is desirable for Pathway 2</li> </ul>	Please note that due to the practical nature of Art, students will be considered on an individual basis where they can evidence high achievement at a practical level, even if they have not taken the subject at GCSE
A Level Biology	<ul style="list-style-type: none"> <li>• Grade 6 or above in Biology GCSE Or Grade 6 or above in Combined Science GCSE</li> <li>• With Grade 6 or above in Maths GCSE</li> </ul>	
Business BTEC Level 3 National Diploma	<p>A minimum of 5 GCSEs 9-4 including Grade 4 or above in English Language</p>	However, students who do not meet the minimum requirements will be considered on an individual basis.
A Level Business Studies	<p><b>Pathway 1:</b></p> <ul style="list-style-type: none"> <li>• Grade 6 or above in Business Students GCSE</li> <li>• Grade 6 or above in either English Language or Mathematics with Grade 5 or above in the other subject</li> </ul> <p><b>OR</b></p> <p><b>Pathway 2:</b></p> <ul style="list-style-type: none"> <li>• Grade 6 or above in English Language</li> <li>• Grade 6 or above in Mathematics</li> </ul> <p>where Business Studies has not been studied at GCSE.</p>	Students with Mathematics and English grades slightly below the requirements will be considered on an individual basis.
A Level Chemistry	<ul style="list-style-type: none"> <li>• Grade 6 or above in Chemistry GCSE Or Grade 6 or above in Combined Science GCSE</li> <li>• With Grade 6 or above in Maths GCSE</li> </ul>	

SUBJECT	ACADEMIC REQUIREMENTS	OTHER REQUIREMENTS
A Level Computer Science	<ul style="list-style-type: none"> <li>• Grade 6 or above in GCSE Computer Science.</li> <li>• With Grade 5 or above in GCSE Maths.</li> </ul>	Ability to show resilience.
BTEC Level 3 Digital Content Production Extended Certificate	A minimum of 5 GCSEs 9-4 including Grade 4 or above in English Language	However, students who do not meet the minimum requirements will be considered on an individual basis.
A Level Drama	<ul style="list-style-type: none"> <li>• Grade 6 or above in Drama and Grade 5 or above in English Language</li> </ul>	Please note that due to the practical nature of Drama, students will be considered on an individual basis where they have the required grade in English Language along with a high level of achievement which can be evidenced at a practical level, even if they have not taken the subject at GCSE.
A Level Product Design	<ul style="list-style-type: none"> <li>• Grade 6 or above in Design &amp; Technology <b>OR</b></li> <li>• Grade 6 or above in Art or Photography</li> </ul>	<i>Please note that due to the practical nature of Product Design, students WILL BE considered on an individual basis where they can evidence high achievement at a practical level, even if they do not meet the academic requirements. <b><u>It is worth discussing alternative entry options with a member of the Design and Technology Faculty.</u></b></i>
BTEC Level 3 Digital Music Production Extended Certificate	<ul style="list-style-type: none"> <li>• The general understanding of music theory</li> <li>• Experience of using DAW and other music software</li> </ul>	
A Level Economics	<ul style="list-style-type: none"> <li>• Minimum of Grade 6 or above in English Language and Mathematics</li> </ul>	Students with grades slightly below the academic will be considered on an individual basis.
A Level English Literature	<ul style="list-style-type: none"> <li>• Grade 6 or above in GCSE English Literature</li> </ul>	
Extended Project Qualification	<ul style="list-style-type: none"> <li>• Students' suitability will be discussed on an individual basis. A good work ethic is essential.</li> </ul>	



SUBJECT	ACADEMIC REQUIREMENTS	OTHER REQUIREMENTS
A Level French	<ul style="list-style-type: none"> <li>• Grade 6 or above at GCSE in French</li> <li>• Grade 5 or above in English Language</li> </ul>	
A Level Further Maths	<ul style="list-style-type: none"> <li>• Grade 8 or above in Mathematics GCSE.</li> </ul>	<ul style="list-style-type: none"> <li>• Love of the subject.</li> <li>• Desire and ability to work at a fast pace.</li> <li>• Competence and confidence in using algebra — this is essential.</li> <li>• Can only be taken alongside Maths A Level</li> </ul>
A Level Geography	<ul style="list-style-type: none"> <li>• Grade 6 or above in Geography</li> <li>• With Grade 6 or above in English Language</li> </ul>	
A Level German	<ul style="list-style-type: none"> <li>• Grade 6 or above at GCSE in German</li> <li>• Grade 5 or above in English Language</li> </ul>	
Health & Social Care BTEC National Diploma	<ul style="list-style-type: none"> <li>• A minimum of 5 GCSEs 9-4 including Grade 4 or above in English Language</li> </ul>	However, students who do not meet the minimum requirements will be considered on an individual basis.
Health & Social Care BTEC National Extended Certificate	<ul style="list-style-type: none"> <li>• A minimum of 5 GCSEs 9-4 including Grade 4 or above in English Language</li> </ul>	However, students who do not meet the minimum requirements will be considered on an individual basis. This course can be taken alongside two A Levels (providing the student meets Pathway 1 requirements) or other BTEC courses on offer.
A Level History	<ul style="list-style-type: none"> <li>• Grade 6 or above at GCSE in History</li> <li>• Grade 5 or above in English Language</li> </ul>	<ul style="list-style-type: none"> <li>• A desire to find out about the past</li> <li>• Enthusiasm for communicating ideas</li> <li>• Knowledge and passion for understanding</li> </ul>
A Level Maths	<ul style="list-style-type: none"> <li>• Grade 7 or above in Maths GCSE. Students who achieve a high Grade 6 <i>may</i> be considered on an individual basis in extenuating circumstances.</li> </ul>	Success in Maths also requires determination and commitment to complete all of the set work and ask for support. Competence and confidence in using algebra are essential.

SUBJECT	ACADEMIC REQUIREMENTS	OTHER REQUIREMENTS
A Level Media Studies	<ul style="list-style-type: none"> <li>• Grade 6 or above in Media Studies GCSE</li> <li>• Grade 5 or above in English Language</li> </ul>	However, please note you <b>do not need</b> GCSE Media Studies to study 'A' Level Media Studies. If you have got it, great! Otherwise we will look at your attainment in other subjects which require good analytical and communication skills, principally English. Students will be considered on an individual basis.
A Level Photography	<ul style="list-style-type: none"> <li>• Grade 6 or above in this subject for Pathway 1</li> <li>• Grade 6 or above is desirable for Pathway 2</li> </ul>	Please note that due to the practical nature of Photography, students will be considered on an individual basis where they can evidence high achievement at a practical level even if they have not taken the subject at GCSE.
A Level Physical Education	<ul style="list-style-type: none"> <li>• Grade 6 or above in P.E.</li> <li>• Grade 5 or above in Biology or Combined Science</li> </ul>	Please note that due to the practical nature of this subject, students will be considered on an individual basis, where they have the required grade in Biology/Combined Science, along with high level of achievement which can be evidenced at practical level, even if they have not taken the subject at GCSE.
A Level Physics	<ul style="list-style-type: none"> <li>• Grade 6 or above in Physics GCSE Or Grade 6 in Combined Science GCSE</li> <li>• With Grade 6 or above in Maths GCSE</li> </ul>	
A Level Psychology	<ul style="list-style-type: none"> <li>• Grade 6 or above in Maths and English Language GCSE.</li> </ul>	Students who achieve below this <i>may</i> be considered on an individual basis.
Cambridge Technical Sport and Physical Activity Level 3 Extended Certificate	<ul style="list-style-type: none"> <li>• A minimum of 5 GCSEs 9-4 including Grade 4 or above in English Language.</li> </ul>	



Some of the opportunities that have been and are being, provided by Departments for Sixth Form students ...

FACULTY	WHAT'S HAPPENING IN MY SUBJECT?	STUDY SUPPORT
<b>Business &amp; Computing</b>	<ul style="list-style-type: none"> <li>• Student Investor Share Challenge</li> <li>• Student-led Economics Society</li> <li>• Off-site revision booster workshops (Business BTEC and A level Business Studies and Economics)</li> <li>• Visit to Jaguar Land Rover plant at Halewood</li> <li>• Visiting speakers (eg last year a visit from a member of the Bank of England's Monetary Policy Committee)</li> <li>• Business trips eg to New York, Alton Towers and more</li> <li>• Introduction to ethical hacking enrichment activity</li> <li>• Business Leaders program</li> </ul>	<ul style="list-style-type: none"> <li>• After-school study support Monday and Tuesday for Business BTEC, 'A' level Business and Economics</li> <li>• 1-2-1 study support for A Level Business and Economics and Business BTEC</li> <li>• Pre-exam revision sessions for A Level Business and Economics and Business BTEC</li> <li>• 1-2-1 programming coursework tutorials for A Level Computer Science</li> <li>• Drop-in code debugging sessions for A Level Computer Science</li> <li>• Pre-exam revision sessions for A Level Computer Science &amp; BTEC DCP</li> <li>• Easter School revision for A Level Computer Science</li> </ul>
<b>Design Technology</b>	<ul style="list-style-type: none"> <li>• Visit to Jaguar Land Rover plant at Halewood with Business Department</li> <li>• Opportunities to deliver lunchtime activities to younger pupils at "DT Club"</li> </ul>	<ul style="list-style-type: none"> <li>• Priority access to Design Technology workshops during study periods, lunchtime and after school</li> <li>• Tutorials from AQA examiners in exam technique</li> <li>• Easter School coursework support sessions</li> </ul>
<b>English &amp; Media</b>	<ul style="list-style-type: none"> <li>• Theatre trips</li> <li>• Liverpool Hope University - English lecture series and sessions for Sixth Form students</li> <li>• York Film Festival</li> <li>• London Trip – BBC</li> <li>• TV production masterclass</li> <li>• Media trip to New York</li> </ul>	<ul style="list-style-type: none"> <li>• One-to-one support and after school support</li> <li>• Use of Google Classroom to aid teaching and learning and for a quick and easy way for students to access revision and help from their teacher and peers.</li> </ul>
<b>Humanities</b>	<ul style="list-style-type: none"> <li>• “Rock around Liverpool” – a tour of the building materials for Liverpool City Centre</li> <li>• Fieldtrip to Silverdale</li> <li>• Trip to Coal Mining Museum – Wakefield</li> <li>• Fieldtrip to Hilbre Island and The Wirral</li> <li>• Trip to Iceland</li> <li>• Geography workshop – Edge Hill University</li> <li>• Health &amp; Social Care - university study days</li> <li>• Health &amp; Social Care - voluntary work e.g. in care homes</li> <li>• Auschwitz visit</li> <li>• Visit to Berlin in conjunction with German Department</li> </ul>	<ul style="list-style-type: none"> <li>• After school exam technique sessions – Geography</li> <li>• Psychology – “Make a Difference” lunchtime sessions</li> </ul>
<b>Languages</b>	<ul style="list-style-type: none"> <li>• Work experience opportunities abroad</li> <li>• University lectures and enrichment days where possible linked to set texts and films</li> <li>• Theatre visits</li> <li>• Opportunities to support and deliver lunchtime language clubs for lower school pupils</li> <li>• Visit to Berlin in conjunction with History Department</li> </ul>	<ul style="list-style-type: none"> <li>• Easter School A level revision sessions</li> <li>• One-to-one essay support sessions</li> <li>• A level oral exam preparation classes with a native speaker</li> </ul>

FACULTY	WHAT'S HAPPENING IN MY SUBJECT?	STUDY SUPPORT
<b>Maths</b>	<ul style="list-style-type: none"> <li>• Number Buddy Scheme (6th form students supporting lower school pupils)</li> <li>• National Cipher Challenge run by University of Southampton – code-breaking competition</li> <li>• UKMT Senior Maths Challenge</li> <li>• Problem-solving and STEP / AEA Preparation Day</li> </ul>	<ul style="list-style-type: none"> <li>• Open door policy offering one-to-one support at lunchtime</li> </ul>
<b>PE &amp; Expressive Arts</b>	<ul style="list-style-type: none"> <li>• Southport Open Art exhibition</li> <li>• Southport Young Photographers competition</li> <li>• Arts Star</li> <li>• Wayfarers and Café d'Art exhibitions</li> <li>• Jolly Christmas Show</li> <li>• Christmas Card competition</li> <li>• Set design for the school production</li> <li>• Creative Council</li> <li>• Opportunities to become Creative Captains</li> <li>• Mentoring lower school pupils</li> <li>• Assisting with primary liaison</li> <li>• Social media Ambassadors</li> <li>• Arts Ambassadors</li> <li>• Liverpool art gallery visits</li> <li>• Creative events at Tate Liverpool</li> <li>• Art/Photography cultural visits to European cities e.g. Paris 2019</li> <li>• PE 'A' level support</li> <li>• Sixth Form netball team</li> <li>• Sixth form football team</li> <li>• Trip to Edge Hill University including for Sports Science taster sessions</li> <li>• Opportunities for Sixth Form students to run workshops for GCSE students</li> <li>• Theatre visits</li> <li>• Involvement in performing arts events</li> <li>• Live Music Visits</li> <li>• Regular Live Music Performance opportunities</li> <li>• University Composition Workshops</li> <li>• Rewire Studio Record Label Project</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent facilities including the Creative Hub</li> <li>• Easter School A level PE revision sessions</li> <li>• One-to-one support for A level PE coursework</li> <li>• PE lunchtime and after school support sessions</li> <li>• PE revision day with Ross Howitt – textbook author and Chief Examiner</li> <li>• Help with auditions</li> <li>• Use of the Rewire Recording Studio</li> <li>• One-to-one support for Music Coursework</li> <li>• Easter School Music Revision and Recording Sessions</li> <li>• Music Revision Weekend Trip</li> <li>• Music Lunchtime and after school support sessions</li> </ul>

Science	<ul style="list-style-type: none"><li>• Spectroscopy Lab Day at Liverpool University</li><li>• “Engineering your Future” STEM trip</li><li>• Science-related work experience opportunities</li><li>• Medical careers workshops</li><li>• Trip to CERN, Switzerland</li><li>• Support with Nuffield Bursary applications</li><li>• Revision workshops</li><li>• Science competitions - Chemistry Olympiad</li></ul>	<ul style="list-style-type: none"><li>• A level revision clinics</li><li>• Exam workshops</li><li>• Lunchtime drop-in sessions</li></ul>
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## RANGE HIGH SCHOOL A Level, BTEC and Extended Project Results - Summer 2020

A Level Subject	Entries	A*	A	B	C	D	E	F	U	A* - B	A* - E
Art	6	2	3	1						100%	100%
Biology	6	1	3	1	1					83%	100%
Business Studies	16	1	5	8	2					88%	100%
Chemistry	9	1	3	4	1					89%	100%
Computer Science	3	2		1						100%	100%
Economics	16		6	3	6	1				56%	100%
English Language & Literature	14	1	3	3	7					50%	100%
Further Maths	4	1	2	1						100%	100%
Geography	11	2	2	2	3	2				55%	100%
Geology	5		2	2	1					80%	100%
German	4	1	1	1	1					75%	100%
History	5	1	3	1						100%	100%
Law	6		1	4	1					83%	100%
Mathematics	18	5	2	4	4	2	1			61%	100%
Media Studies	9		2	4	1	2				67%	100%
Physical Education	6	1	1		2	1	1			33%	100%
Photography	9	2	2	4	1					89%	100%
Physics	10	2	2	4	1	1				80%	100%
Product Design	1				1					0%	100%
Theatre Studies	1		1							100%	100%
Extended Project	6			2	2	2				33%	100%
BTEC Subject	Entries	D*D*	D*D	DD	DM	MM	MP	PP	U		Pass Rate
BTEC BUSINESS STUDIES	12		1	3	3	3	2				100%
BTEC H&S DOUBLE	2					1	1				100%
BTEC Subject	Entries	D*	D	M	P	U					Pass Rate
BTEC CREATIVE DIGITAL MEDIA	5	2	1	2							100%
BTEC H&S SINGLE	3			2	1						100%
BTEC IT	10	1	4	5							100%

A Level Subject	Entries	A*	A	B	C	D	E	U	A* - B	A* - E
Art	6	2	2	2					100%	100%
Biology	6	5			1				83%	100%
Business Studies	13	1	4	5	2	1			77%	100%
Chemistry	14	7	1	3	3				79%	100%
Computer Science	3	1	1	1					100%	100%
Economics	10		2	6	2				80%	100%
Geography	21	3	7	6	4	1			76%	100%
History	3	1	2						100%	100%
Mathematics	21	4	6	5	4	2			71%	100%
Media Studies	5	1	1	2	1				80%	100%
Physical Education	8	3		1	4				50%	100%
Photography	10	4	3	2	1				90%	100%
Physics	13	3		4	6				54%	100%
Product Design	4	1	2	1					100%	100%
Psychology	16	3	6	5	2				88%	100%
Extended Project	10		4	2	3		1		60%	100%
BTEC Subject	Entries	D*D*	D*D	DD	DM	MM	MP	U		Pass Rate
BTEC BUSINESS STUDIES	12	2	2	3	2	2	1			100%
BTEC H&S DOUBLE	3			1	1	1				100%
BTEC Subject	Entries	D*	D	M	P	U				Pass Rate
BTEC H&S SINGLE	4		1	3						100%
BTEC IT	12	4	4	4						100%

## RANGE HIGH SCHOOL A LEVEL BTEC RESULTS - SUMMER 2022

A Level Subject	Entries	A*	A	B	C	D	E	U	A* - B	A* - E
Art	8	4	2	2					100%	100%
Biology	12		3	4	3	2			58%	100%
Business Studies	18	1	3	5	9				50%	100%
Chemistry	23	2	11	5	3	1	1		78%	100%
Computer Science	14	8	6						100%	100%
Economics	10		2	3	3	2			50%	100%
English Literature	10			3	3	3	1		30%	100%
French	7	2	2	2		1			86%	100%
Further Maths	9	6	3						100%	100%
Geography	23	3	5	8	6	1			70%	100%
History	8			4	2	2			50%	100%
Maths	33	14	9	6	4				88%	100%
Media Studies	8		3	2	1	2			63%	100%
Physical Education	9			2	5	2			22%	100%
Photography	11	3	4	1	3				73%	100%
Physics	20	5	8	3	2	2			80%	100%
Product Design	4			1	3				25%	100%
Psychology	16	2	1	5	2	4	1	1	50%	94%
Theatre Studies	2		1		1				50%	100%
Extended Project Qualification	14		7	7					100%	100%
BTEC Subject (Double Award)	Entries	D*D*	D*D	DD	DM	MM	MP	U		Pass Rate
BTEC BUSINESS STUDIES	7		2	3	2					100%
BTEC Health & Social Care	3			1			2			100%
BTEC Subject	Entries	D*	D	M	P	U				Pass Rate
Digital Content Production	7		6	1						100%
Health & Social Care	2	1		1						100%



# A Level ART, CRAFT & DESIGN

## What can Art, Craft & Design at Range Sixth Form offer me?

Range Sixth Form Art Department is made up of a number of well qualified, practising artists who can each offer their own specialist area of expertise.

You will work within a vibrant, stimulating environment which has its own Gallery area. Students will also have the opportunity to work in our new Creative Hub. The Mac Suite houses ten new Apple computers along with MacBook Airs. Our photographic editing resources support students to improve practice, promoting employability within the Arts. You will also have access to a good range of specialist art materials and cameras.

The aim of the course is to extend your existing creative skills. You will also develop your ability to work independently and to communicate and express your ideas through a variety of visual skills.

The Art Department offers an open door policy to all Sixth Form Art students and you are welcome and encouraged to come into the Department and continue your studies outside of normal lesson times.

As part of the course you will also be given the experience of working with an experienced visiting artist, viewing their original work first hand and taking part in a series of workshops delivered by the artist surrounding their own techniques and working practices.

Outside the classroom the Art Department also offers a wide variety of enrichment activities, including Liverpool gallery visits, a creative careers event at the Tate hosted by Liverpool City College, European city cultural visits and many more exciting opportunities. We also offer students a number of areas where they can become leaders within the Arts, such as Creative Captains of Range High School Creative Council, mentoring other students, assisting with primary lessons, becoming social media ambassadors and generally assisting to shape the Arts across the whole school.

## What can I expect from Art Craft & Design at Range Sixth Form?



The course allows you to develop themes such as: the figure, natural forms, still life, landscape and location and issue based work. You will be taught by at least two specialist teachers and during workshop based lessons led by the Art Department will be introduced to a variety of drawing and media techniques.

As well as participating in skill-based workshops and receiving regular one-to-one tutorials, you will have the flexibility to work independently and further extend your existing knowledge through the freedom of working in a wide range of disciplines including drawing, painting, printing, photography, textiles, sculpture and mixed media. Critical and contextual studies form an important part of your portfolio and you will explore the work of other artists, photographers or designers to use as an influence for your own work. As part of the requirements of the course your work will be presented in a portfolio and you will receive extra support in preparation for Art based interviews. In non contact time you are expected to be working in the Art Department for a minimum of 2 extra hours each week.

## What are the Entry Requirements?

To be guaranteed a place on this course, which is available on both Pathway 1 and 2, you need to meet the admissions criteria for Range Sixth Form with:

- Grade 6 or above in this subject for Pathway 1
- Grade 6 or above is desirable for Pathway 2
- Satisfactory academic and attitudinal references.

Please note that due to the practical nature of Art, students will be considered on an individual basis where they can evidence high achievement at a practical level, even if they have not taken the subject at GCSE.

## Where can Art, Craft & Design at Range Sixth Form take me?

This A Level is a vital course for anyone wishing to undertake an Art or Design based career and offers excellent preparation for both foundation studies and Art related degree courses.

The course is also an ideal choice as a third A Level as it is an accredited course for University entrance.

The course could also lead to a career in fashion, textile design, graphic design, interior design, gallery and museum work, architecture, illustration, product design, theatre and set design, advertising, animation, photography, television and film work, teacher, professional artist.

## What have previous students of Art, Craft & Design gone on to do?

Range Sixth Form Art Department has a 100% success rate for Art students gaining places on foundation courses.

All of our students who have undertaken a foundation course have gone on to successfully complete Degree courses and many currently have successful art based careers, working as far afield as London, Australia and America.

Range Sixth Form successes include careers in advertising, creative design consultancy, cinematography, animation, film production, illustration, gallery curation, card design and Art teaching, as well as a large number of past art students who have become professional artists. Creative subjects are held in high regard by



*Art/Photography A Level students were offered the chance to visit Paris in October 2022*

# A Level BIOLOGY

## What can Biology at Range Sixth Form offer me?

A Level Biology will give you an exciting insight into the contemporary world of Biology. It covers the key concepts of Biology and practical skills are integrated throughout the course. This combination of academic challenge and practical focus makes the prospect of studying A Level Biology highly appealing.

You will learn about the core concepts of Biology and about the impact of biological research and how it links to everyday life. You will learn to apply your knowledge, investigate and solve problems in a range of contexts.

- Key features:
- \* Simple straightforward assessment through examinations
  - \* Based on key concepts in Biology
  - \* Opportunities to develop practical skills through a range of experiments and investigations.

## What can I expect from Biology at Range Sixth Form?

You will become competent in:

- Following procedures
- Applying an investigative approach when using instruments and equipment
- Working safely
- Making and recording observations
- Researching, referencing and reporting.

## What are the Entry Requirements?

To be guaranteed a place on this course, which is available on Pathway 1, you need to meet the admissions criteria for Range Sixth Form with:

- Grade 6 or above in GCSE Biology

OR

- Grade 6 or above in GCSE Combined Science
- Grade 6 or above in GCSE Mathematics
- satisfactory academic and attitudinal references.





## Where can Biology at Range take me?

A Level Biology is an excellent base for a university degree in Medicine, Veterinary Medicine or Dentistry, as well as Biological Sciences such as Biochemistry, Molecular Biology or Forensic Science. Biology can also complement Sports Science, Psychology, Sociology and many more subject areas.

A level Biology can open up a range of career opportunities including biological research, medicine, the environment, forensics, sports and science communication. The transferable skills you will learn, such as problem solving, are also useful for many other areas, such as Law.

### Are you ...

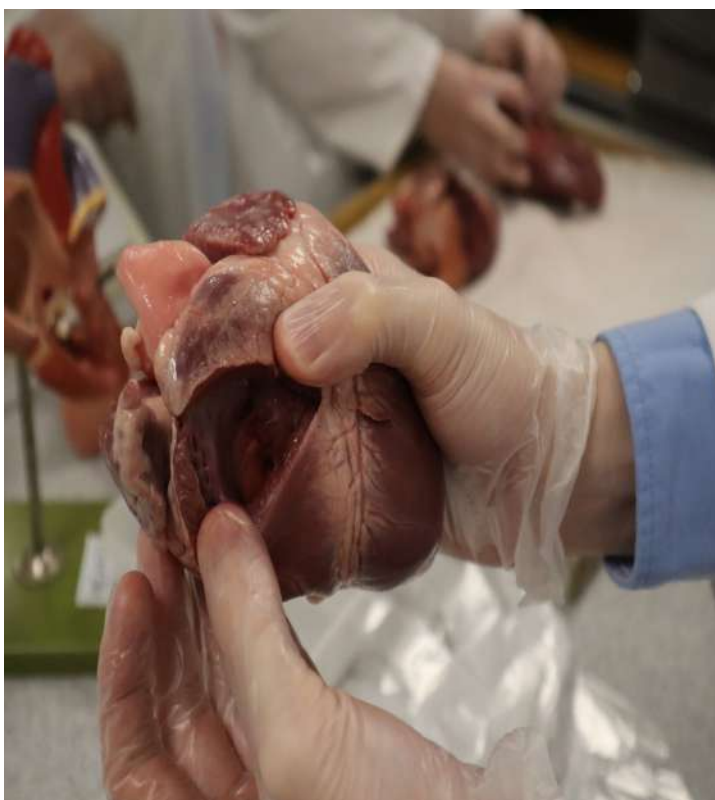
- Aiming to be a doctor, nurse or vet?
- Thinking of a career in research?
- Interested in the environment and the world around you?
- A problem solver?
- Interested in Science?
- Keen on practical work?
- Studying other sciences or maths?

**If so, A level Biology at Range is for you.**

## What have previous students of Biology gone on to do?

In recent years Biology students have been accepted onto the following courses:

Biology	Environmental Geography	Occupational Therapy
Biochemistry	Forensic Psychology	Ocean Science
Biomedical Science	Genetics	Physiotherapy
Chemical Engineering	Geography	Radiography
Chemistry	Marine Biology	Veterinary Medicine
Civil Engineering	Medical Genetics	
Computing and PE	Medical Microbiology	
Dental Surgery	Medicine	
Economics	Natural Sciences	



# BUSINESS BTEC Level 3 National Diploma

(2 'A' Level equivalent)

## What can the Business BTEC at Range Sixth Form offer me?

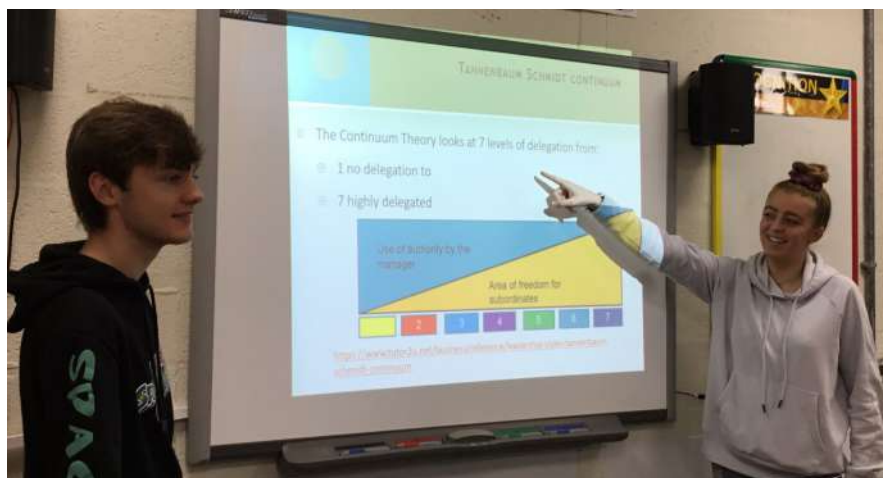
This course offers you the opportunity to study businesses in a highly practical, work-related manner as everything you will do is related to 'real-life' business contexts. The qualification that you will gain is equivalent to 2 A-Levels. You will learn in a largely 'active manner' by completing projects and assignments that are based on realistic workplace situations and activities. You will learn about the structure, purpose and strategies relating to various businesses and cover a broad range of business topics such as 'marketing', 'recruitment', 'business finance' and 'managing a business event'.

Much work is project based, using a range of internally and externally assessed assignments. There is also an exam-based unit exploring business and personal finance.

## What can I expect from the Business BTEC at Range Sixth Form?

BTEC students are guided and supported to develop the knowledge, understanding, personal skills and attributes essential for successful performance in working life and higher education. Students are strongly encouraged to conduct their independent research to a very high level and to form well supported views and opinions on a wide range of business topics.

You will be able to benefit from workplace visits and visiting speakers throughout the course. Our recent and



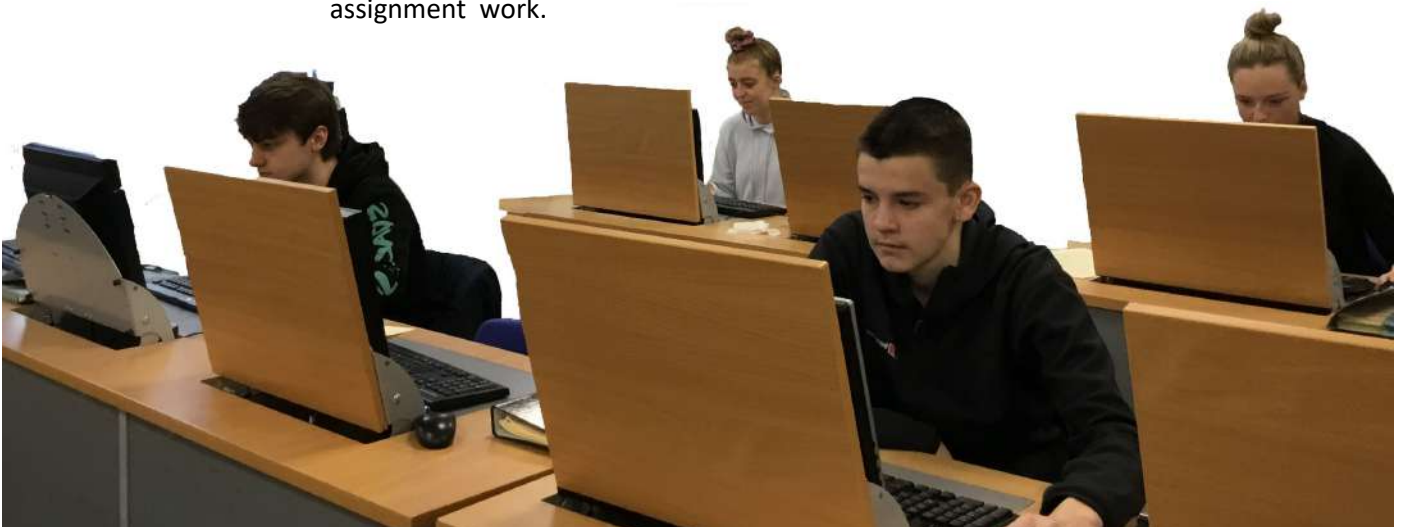
*"You get to talk  
to business  
people and find  
out what they  
do and how  
their businesses  
work."*

current students have enjoyed visits to Waitrose and Jaguar LandRover and talked to visiting speakers from Bosch and Well Red Magazine. Our BTEC students are also offered the opportunity to participate in the 'Student Investor Challenge', where they work in teams to develop a portfolio of investments using a 'virtual' £100,000.

Our BTEC students report that they really enjoy having a lot of control over their own learning as they are able to choose which businesses they will focus on when completing much of their project work.

Students do need to be well organised and to be able to conduct in depth research into key concepts and business case study examples.

Students are very well supported by our teaching staff throughout the course and benefit from a high degree of individual attention as they develop their study skills and assignment work.



## What are the entry requirements?

For BTEC Business you will need to meet the Admissions Criteria for Pathway 2.

*“There are opportunities to develop your work to a very high level - but you need to put in a lot of work to get there!”*

## Where can the Business BTEC at Range take me?

This course provides solid and varied business knowledge and is good preparation for a variety of business careers. Students will find themselves prepared to enter a range of professions including financial services, sales and retailing, office administration, accounting, banking, etc.

As detailed above, this course is also well regarded by universities and provides the necessary entry requirements for a wide range of higher education courses including HNDs and degrees.



BTEC Business/A Level students at Alton Towers and Jaguar Land Rover's production site

*“The Business BTEC course helps you to understand how to manage your time and balance your studies with your outside life, something which is useful in the working world. It gives you time to improve your work and skills.*

*It teaches independent learning skills, which are transferable to other subjects and areas*

*“You learn a lot about how ‘real’ businesses work - not just case studies.”*



# BTEC Level 3 DIGITAL CONTENT

## BTEC National Extended Certificate (1 'A' Level Equivalent)

# 86% Grade Distinction (August 2022)

### What can this BTEC at Range Sixth Form offer me?

The department sees the importance of students having strong computer skills in order to be successful in all areas of work. The department achieves high levels of academic success and has a record of outstanding results in BTEC qualifications. Therefore, this is a department that will really push you to achieve your absolute best.

The department has five computer suites that are dedicated to the teaching of the subject. Each room is fitted with the latest technology and has a range of software applications installed.

The department has created extensive up-to-date resources which aid the delivery of this course. All resources are available on the school VLE for students to use. The department also offers a very strong support package for students who find certain topics difficult.

### What can I expect from this BTEC at Range Sixth Form?

This is a modern and forward-thinking computer based qualification that will give you a set of modern computer skills. Students will spend their time using a range of different computer programs to produce computer related products that meet set requirements. These products could include computer games, mobile phone apps, websites, multimedia products and digital graphics.

Have you ever wondered how these products have been designed to allow humans to interact with them effectively? Have you ever wondered why items appear on the screen in the way that they do? People often use these products without realising the complex study that has gone into their design.

Digital technologies are constantly evolving. Each new development opens up a new project that needs to be completed. The need to manage these projects effectively and develop products that meet our ever changing needs, is crucial for organisations to keep up with their competitors.

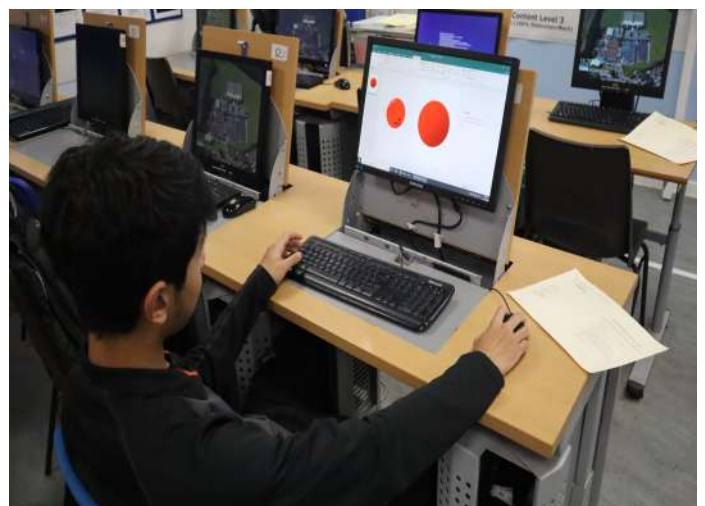
In this qualification you will learn the different design principles that can be used to design effective products and apply appropriate project planning techniques to create a variety of computer related products that are fit for the modern world.

Choosing to study a BTEC Level 3 qualification is a great decision to make for lots of reasons. It is great for students who want to develop their knowledge of computer software but with a more 'hands on' approach. For the majority of the course, students will be completing assignments during class time. Students will be given teacher input to develop their subject knowledge around the assignments and then students are expected to work independently. This subject is ideal to take alongside other BTEC qualifications. We also have students who take this qualification alongside other A Levels including A Level Computer Science.

### What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the admissions criteria for Range Sixth Form Pathway 2.

*"I have enjoyed my time in this department. My biggest strength is coursework so the heavy coursework aspect is very helpful as I can accomplish this with greater success. The quality of teaching and support are very high and the teachers have really developed my knowledge. The class is always a friendly space which makes me look forward to each lesson."*



## Assessment

You will be assessed by a number of internal assignments that are designed and marked by your tutor at Range and by taking an exam. The assignments will be designed to allow you to show your understanding of the units. Your tutor will tell you precisely what form your assessment will take, but it could be in the form of:

- A written report
- An information booklet
- An observation by your tutor.

On completion of the qualification you could be awarded a **Distinction\***, **Distinction**, **Merit** or **Pass**. The table below outlines units that you may study.

Name	Description	Assessment
<b>Unit 3</b>  Digital Skills	This is a task based exam. You will be given a set brief which will be provided by the exam board. You will then produce a product that meets this brief by combining all of the IT skills that you have developed over the course. These products could be a video, sound clip, website or a computer game.	<b>External Exam</b> <b>60 Marks</b>  <b>Worth 33% of the qualification</b>
<b>Unit 12</b> Website Production	In this unit, you will be introduced to a web production life cycle that involves learning how to manipulate common codes and conventions to produce a website that meets a specific purpose and appeals to the intended user. Your web pages will require appropriate content, such as text, images and audio-visual content, to engage the user, and you will learn how to prepare a variety of assets and position them on your web pages.	<b>2 x Internal Assignments</b>  <b>Worth 17% of the qualification</b>
<b>Unit 14</b> Digital Magazine Production	In this unit, you will learn about the codes and conventions that magazine producers use to communicate with their target audience, how they generate, select and prepare materials to produce a completed magazine cover and double-page spread. The skills you will develop in this unit can be applied to both print and digital magazines across a wide range of genres.	<b>2 x Internal Assignments</b>  <b>Worth 17% of the qualification</b>
<b>Unit 29</b> 2D Digital Graphics	In this unit you will explore the purposes and characteristics of 2D digital graphics and use industry practice to influence your development. You will be required to plan and design your own digital graphics for an intended purpose. There is a strong emphasis on the development of practical skills in this unit and you will need to demonstrate creativity and technical proficiency through work designed for multiple media technologies and platforms.	<b>2 x Internal Assignments</b>  <b>Worth 17% of the qualification</b>
<b>Unit 30</b> Page Layout for Digital Media	In this unit you will explore the creative application of the fundamental principles that underpin page layout design. You will learn the important differences between designing for digital and print formats and have the opportunity to plan, design and produce page layouts for both the page and the screen.	<b>2 x Internal Assignments</b>  <b>Worth 17% of the qualification</b>

## Where can this subject at Range take me?

This qualification would be a further step towards an undergraduate degree or a career in the IT/Creative industry. BTEC Level 3 is a vocational qualification. This does not mean that it will give you all the skills you need to do a job, but it does mean that you will have the opportunity to gain specific knowledge, understanding and skills that are relevant to your future career.

## What students could choose to go on and do?

This qualification meets admission requirements for a range of related Higher Education courses such as:

- Computer games applications development
- Games design and development
- Computer games art
- Computer animation
- Interactive design and development.

It would also prepare you for direct employment such as:

- Junior content producer / designer / researcher
- Web coordinator
- Trainee/assistant photographer
- Digital assistant.

# BTEC Level 3 Extended Certificate in DIGITAL MUSIC PRODUCTION (1 'A' Level Equivalent)

## What can the Music BTEC at Range Sixth Form offer me?

BTEC Digital Music Production is a two year course that can be studied alongside other BTECs and A Levels. It is a well-rounded programme of study which prepares you for many aspects of work within the Music Industry. Students will focus on Performance, Composition, Musicianship and Professional Practice, all of which are essential skills for anyone wanting to work in the music industry.

The UK music industry helps drive economic growth by creating jobs and opportunities for young people. The 2016 UK music survey 'Measuring Music' identified that the music industry supported more than 117,000 full-time jobs in the UK contributing £4.1 billion to the UK economy.

Outside of the classroom the Music department also offers students a wide variety of enrichment activities and many opportunities to perform and record in our recording studios. There are a number of areas in which students can be involved in supporting our Key Stage 3 aspiring musicians and primary students.

## What can I expect from the Music BTEC at Range Sixth Form?

Throughout the course you will work to develop your musical and technical skills by exploring the features of Digital Audio Workstations, learning how to use synthesisers and samplers, creating and producing music for a variety of scenarios including games, film and apps and gaining experience in mixing down and mastering multitrack DAW based techniques.



To support these skills you will also develop your knowledge and understanding of the fundamental key terms and technical industry language and how they can be applied in practical musical activities. You will develop and apply theoretical knowledge through physical experiment investigating how sound can be created, changed, bent and manufactured into anything a creative musician could hope for.

In addition to this you will also gain an understanding of what is meant by the term 'commercial music' and what is required to produce modern, commercially driven songs as well exploring the creative techniques which help to define the sound of commercial music. You will understand the professional skills that are important in the industry and learn the importance of financial management, effective interpersonal skills and working with others.

At all times you will be encouraged to develop your skills through practicing, performing, listening to and composing music. Your assessments in BTEC Music encourage you to work like a professional producer/engineer/musician. You must keep to deadlines, consider Health and Safety and use music technology to develop your creativity.

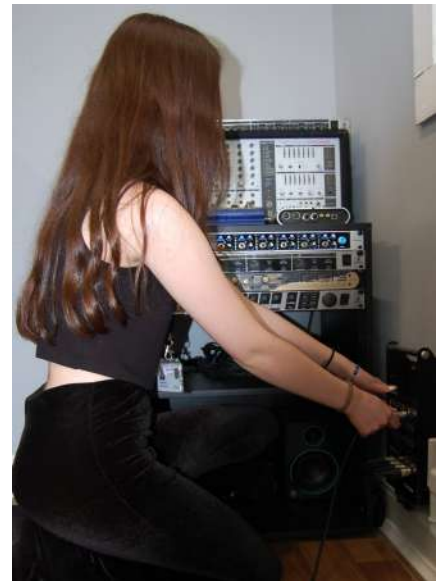
## What can I expect from the Music BTEC at Range? (Continued)

Everyone taking this qualification will study the 2 mandatory units:

- Music and Sound for Media
- DAW Production (Externally Assessed).

In addition to the 2 mandatory units, all students will also need to study 3 of the optional units:

- Creative Synthesis and Sampling
- Remixing and Reworking
- Mixing and Mastering Techniques
- Commercial Music Production.



## What are the entry requirements?

To be guaranteed a place on this course you will need to meet the Admissions Criteria for Range Sixth Form Pathway 2 with:

- A general understanding of music theory.
- Experience of using DAW and other music Software.

## Where can the Music BTEC at Range take me?

Music can lead you into an exciting and creative career in the music and media industries. The skills that you will develop are essential for working as a Music Producer, Remixer, Sound Designer or Studio Assistant.

There is a wide range of vocational and academic Higher Education courses available in this subject area, such as:

- BA (Hons) in Music Technology and Production
- BA (Hons) in Sound Arts and Design
- BA (Hons) in Digital Music and Sound Arts
- BSc (Hons) in Music and Sound Production Technology.





# A Level BUSINESS STUDIES

## What can Business Studies at Range Sixth Form offer me?

Business Studies offers you an invaluable insight into the wide world of work from the point of view of a number of stakeholders such as entrepreneurs, managers and workers. You will be able to investigate real-life businesses and analyse the many reasons for their successes or failures.

The course will also give you opportunities to develop a wide variety of skills such as team work, communication and presentation techniques. In the applied context of business investigations you will also develop your abilities in decision-making and problem-solving.

Students will sit 3 exam papers, each 2 hours long, in the Summer of Year 13.

## What can I expect from Business Studies at Range Sixth Form?

You will be part of a lively study environment where constant use is made of business examples and case studies to help students to develop their knowledge and understanding of key topics and issues. Use is made of visiting speakers and industrial visits (such as to Cadbury World) to enhance the curriculum.

Students are encouraged to conduct independent research and to form balanced judgements in relation to business issues and situations. Business students are also offered the opportunity to participate in the 'Student Investor Challenge', where they work in teams to develop a portfolio of investments using a 'virtual' £100,000.

Our students are well supported by our teaching staff throughout the course and we tend to be able to offer a greater degree of individual attention than the larger sixth form colleges. We also offer an excellent revision programme ahead of the exams. This includes opportunities to attend popular and well established external 'workshops' to broaden and extend knowledge and understanding of key topics.

*"I took Business at GCSE and I am finding the A Level enjoyable. If you did not do the GCSE, you will still enjoy it and find it a useful subject."*

*"I decided to take A Level Business Studies in order to do something new and interesting."*



## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1\* with

### Route 1:

- Grade 6 or above in GCSE Business Studies
- Grade 6 or above in either GCSE English Language or GCSE Mathematics with grade 5 in the other subject

### OR

### Route 2:

- Grade 6 or above in GCSE English Language
- Grade 6 or above in GCSE Mathematics

where Business Studies has not been studied at GCSE.

\*Students with GCSE Mathematics and GCSE English grades slightly below the requirements above will be considered on an individual basis.

*"I'm glad I picked a new subject to do at the beginning of Y12 – it's interesting and enjoyable."*

## Where can Business Studies at Range take me?

The applied nature of the A level course provides an appropriate foundation for further study of Business Studies or related subjects in Higher Education. Business related courses are wide ranging, from Accountancy to Business Law and from European Marketing to International Relations. Elements of Business are also to be found in other degree courses including Engineering, Science, Foreign Languages and Art and Design .

## What have previous Business Studies students gone on to do?

Our students go on to study a wide range of business-related degrees at university, including Business Management, Business and Accountancy, Marketing Management, Advertising and Human Resource Management. Past students have also progressed to Business Apprenticeships and Trainee Management Schemes.

*"I'm really glad I took A Level Business Studies, it's one of my favourite subjects."*

*"It relates to business in the 'Real World' – it's worth taking the subject."*



Business A level & BTEC students at Jaguar Land Rover's production site.





# Cambridge Technical in SPORT AND PHYSICAL ACTIVITY

## What can this Cambridge Technical at Range Sixth Form offer me?

- 1 A Level equivalent
- A supportive, caring and motivational climate in which to learn
- Specialist teachers to deliver each component of the Cambridge Technical qualification
- Access to good facilities to allow students to undertake practical work in order to underpin theory.

## What can I expect from this Cambridge Technical at Range Sixth Form?

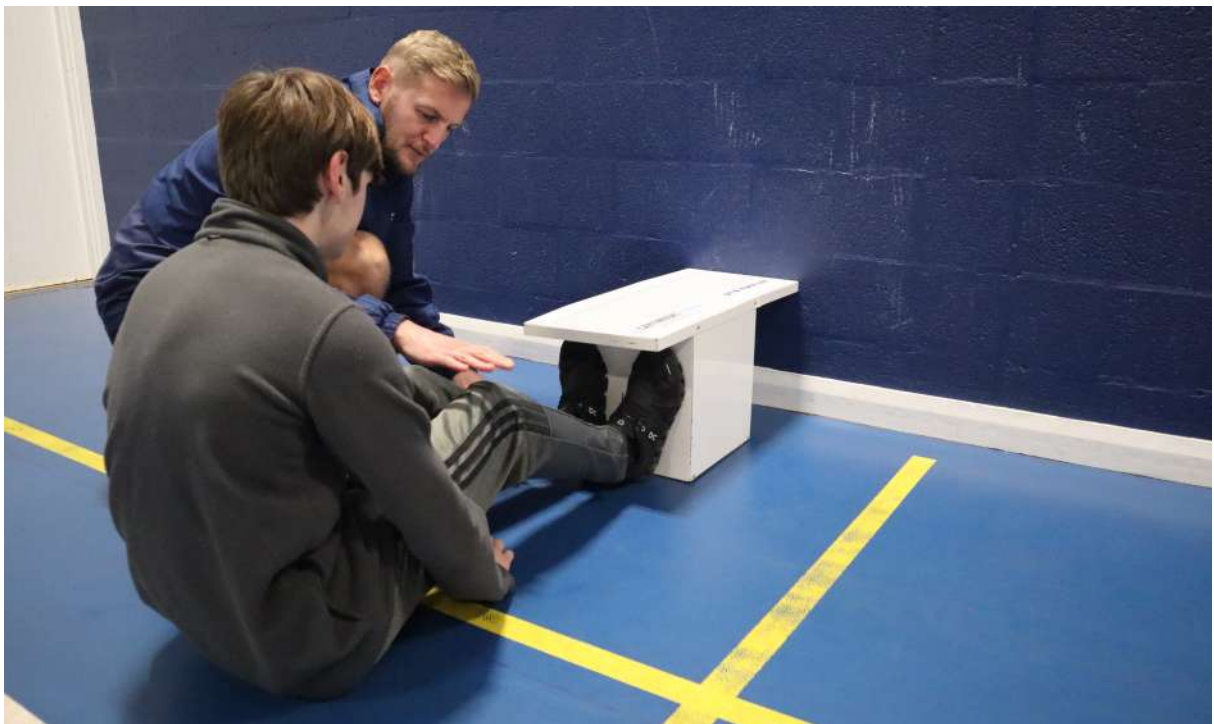
- Physical Education qualifications allow students to play to their strengths and gain dynamic skills for further education and a healthy future. The course will provide students with the opportunity, through applied learning, to develop the core specialist knowledge, skills and understanding required in the sport and physical activity sector
- There are regular assessments in order to monitor progress and targets set. We also have interviews with our students at Christmas and Easter to ensure that each student is progressing as expected and to check if they require any help or guidance in any area of the specification
- Students are assessed via two external assessments and a number of coursework assignments
- There is no practical assessment but some content is taught in a practical setting.

There are 3 mandatory units which students must complete:

- Body systems and the effects of physical activity (exam)
- Sports coaching and leadership (coursework)
- Sports organisation and development (exam).

In addition to the 3 mandatory units, we will also study the following optional units:

- Sports injuries and rehabilitation (coursework)
- Sport and exercise psychology (coursework)



## What are the Entry Requirements?

To be guaranteed a place on this course you will need to meet the Admissions Criteria for the Range Sixth Form Pathway 2 with:

- A keen interest and a passion for sport and physical activity.

## Where can Sport and Physical Activity at Range take me?

There are so many Higher Education courses in Physical Education, Sport, Leisure, Nutrition and Health.

These courses can lead to careers in coaching, teaching, leisure management, journalism, sports science, physiotherapy, sports medicine, sports development, fitness instruction, sports design and technology as well as many other areas. The world of sport and physical recreation provides a rich variety of interesting and rewarding career opportunities.



# A Level CHEMISTRY

## What can Chemistry at Range Sixth Form offer me?

Chemistry is taught by highly qualified staff who are committed to their students' success. The pass rate for A level Chemistry is consistently 100%.

We have links with local universities through Schools Lab. and activities such as the Young Analyst Competition. Gifted and talented students are given the opportunity to enter the Chemistry Olympiad which is organised by the Royal Society of Chemistry.

## What can I expect from Chemistry at Range Sixth Form?

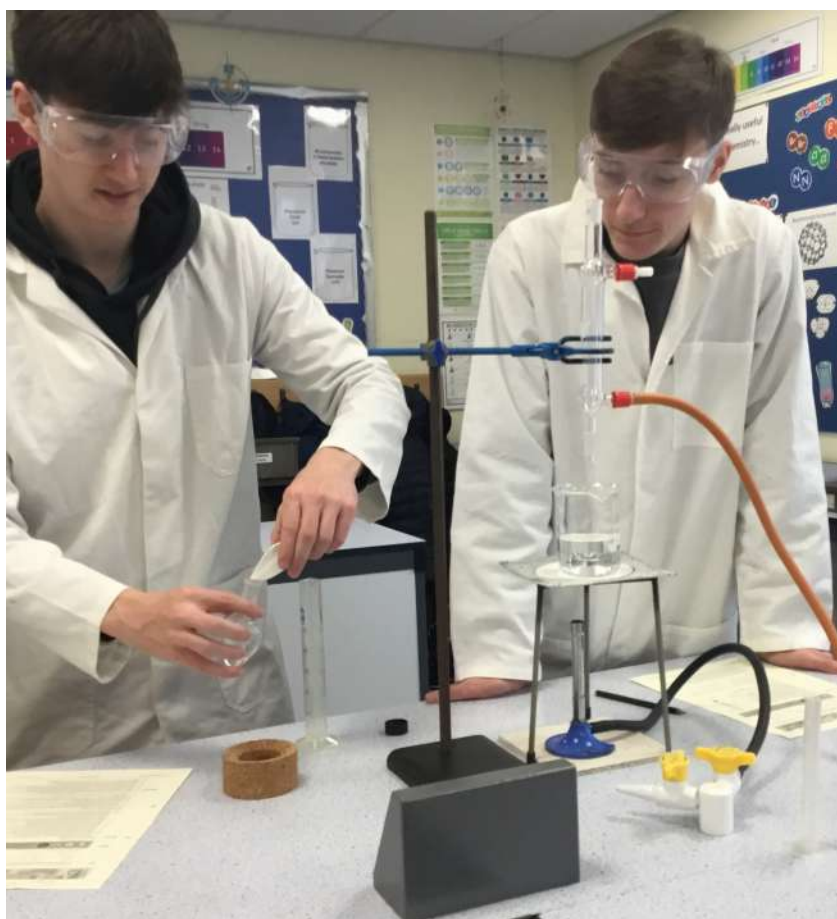
By studying Chemistry you will develop knowledge of the three major branches of Chemistry (physical, inorganic and organic) in a logical sequence of topics progressing from GCSE through to A level.

**Physical Chemistry** attempts to discover the general patterns in the behaviour of matter, summarise the patterns in the form of laws and then try to explain them by means of theories.

**Organic Chemistry** is the study of carbon compounds, which are used to make a vast range of useful products including polymers, pharmaceuticals, and fuels.

**Inorganic Chemistry** is the study of the remaining metallic and non-metallic elements.

Chemistry is essentially a practical subject and you will expand and develop your practical skills throughout the course.



## What are the Entry Requirements?

To be guaranteed a place on this course, which is available on Pathway 1, you need to meet the admissions criteria for Range Sixth Form with:

- Grade 6 or above in GCSE Biology
- OR
- Grade 6 or above in GCSE Combined Science
  - Grade 6 or above in GCSE Mathematics

## Where can Chemistry at Range take me?

The study of A Level Chemistry is an excellent choice for people who want a wide range of career opportunities. It is essential for entry onto degree courses such as Medicine, Dentistry, Pharmacy, Biochemistry and Chemistry itself. Also, the skills developed during the course are recognised as being useful in careers such as Accountancy, Banking and Law.

From the moment you are born, and throughout your life, you are surrounded by chemistry – in the air you breathe, the food you eat and the clothes you wear. Chemistry is the study of substances; what they are made of, how they interact and what role they play in living things.

So whether you want to:

- Care for penguin colonies in Antarctica or
- Work in a dynamic business environment.

a chemical science qualification can take you almost anywhere in the world.

As a chemist you could:

- Make medicines to fight cancer and AIDS
- Develop exciting new ice cream flavours
- Create new make-up and hair products
- Design marketing campaigns
- Make new materials for computers and mobile phones
- Protect the environment
- Design materials for new aircraft.

From research in space to the depths of the world's oceans, chemists are involved in almost every area of life.

Quite simply, chemistry not only helps you understand the world, it also opens up a world of opportunities!

## What have previous students of Chemistry gone on to do?

Previous students of Chemistry have gone on to study a wide range of degrees at university, including Medicine, Dentistry, Chemical Engineering, Pharmacy, Geology, Zoology, Engineering, Biological Sciences and Chemistry with Industrial Experience.





# A Level COMPUTER SCIENCE

## 100% Grades A\*- A (August 2022)

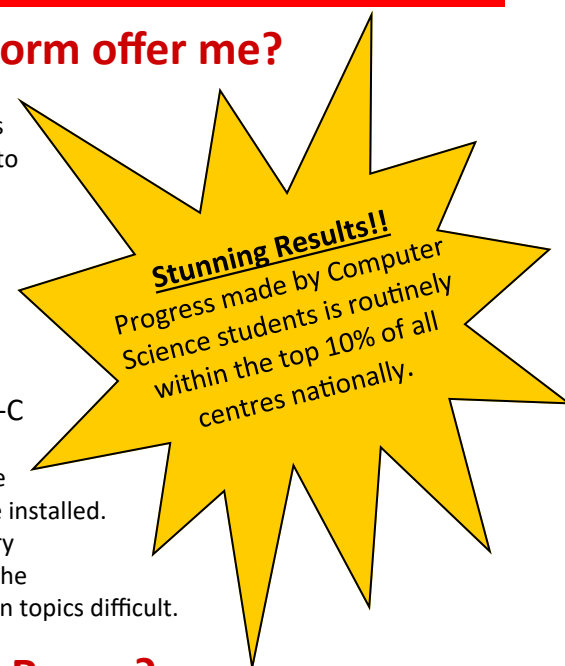
### What can Computer Science at Range Sixth Form offer me?

Range Sixth Form sees Computer Science as a very important subject. The Computer Science department achieves extremely high levels of academic success at A level. Therefore, you know that this is a department that will really push you to achieve your absolute best.

Stunning exam results:

- **August 2022** - 100% Grades A\*-A
- **August 2021** - 67% Grades A\*-A, 100% Grades A\*-B
- **August 2020** - 67% Grade A\*, 100% Grades A\*-B
- **August 2019** - 56% Grade A\*, 78% Grades A-B, 100% Grades A-C

The department has five computer suites that are dedicated to the teaching of the subject. Each room is fitted with the latest technology and has a range of software installed. The department has created extensive up-to-date resources which aid the delivery of this course. All resources are available on the school VLE for students to use. The department also offers a strong support package for students who may find certain topics difficult.



### What can I expect from Computer Science at Range?

The department offers **OCR GCE Computer Science (H446)**. Students gain:

- Valuable thinking and programming skills that are extremely attractive in the modern workplace
- A deep understanding of problem solving and experience in creating logical and efficient solutions
- The ability to write down solutions to problems for other people to understand
- A good grounding in mainstream computing theory and understanding.

This is a rewarding qualification. There is a practical element developing a program for a real life company. Students will be required to analyse, design, develop, test and evaluate a program.

The majority of the course is spent covering the theoretical aspects of Computer Science requiring students to have motivation and strong academic enthusiasm. A lot of time will be spent preparing students for exams and students are regularly tested and given feedback.

As well as teaching the knowledge of Computer Science needed to sit the exams, the department will also develop students' examination techniques allowing them to achieve even higher marks. The course has a 'Stretch and Challenge' component built into it for gifted students.

### What are the Entry Requirements?

- **Grade 6** or above in **GCSE Computer Science**
- **Grade 5** or above in **GCSE Mathematics**
- Ability to show resilience
- Strong programming or algorithms skills.

*"I chose this subject because I really enjoyed the subject at GCSE and I achieved a high grade in my exams. I also feel that it is good to have knowledge of Computer Science since today's technologies are always updating and changing. I also feel that this course will aid me in my future ambitions, since I am looking to do something technology-related at university. The teachers also offer a lot of support to us, and make the lessons engaging and interesting."*

*"I found studying A Level Computer Science very interesting as it linked well to GCSE Computer Science, which I enjoyed very much."*



## Assessment

Learners must take three components. 80% of the qualification is assessed externally and 20% is assessed internally. On completion of the whole qualification you can achieve **grades A\*-E and U**.

Unit	Description	Assessment / Weighting
<b>Unit 1</b>  Computer Systems	This unit will cover: <ul style="list-style-type: none"><li>• Structure, function and types of processors</li><li>• Input, output &amp; storage</li><li>• Systems &amp; applications generation and software development</li><li>• Types of programming language</li><li>• Compression, encryption and hashing</li><li>• Databases</li><li>• Networks / Web technologies</li><li>• Data types / structures</li><li>• Boolean algebra</li><li>• Computing related legislation</li><li>• Moral and ethical issues.</li></ul>	Written Exam  140 Marks  2 Hours 30 Minutes  40% of A Level
<b>Unit 2</b>  Algorithms and Programming	This unit will cover: <ul style="list-style-type: none"><li>• Thinking abstractly</li><li>• Thinking ahead</li><li>• Thinking procedurally</li><li>• Thinking logically</li><li>• Thinking concurrently</li><li>• Programming techniques</li><li>• Computational methods</li><li>• Algorithms.</li></ul>	Written Exam  140 Marks  2 Hours 30 Minutes  40% of A Level
<b>Unit 3</b>  Programming Project	You will put together a portfolio and will: <ul style="list-style-type: none"><li>• Analyse a problem</li><li>• Design a solution</li><li>• Develop a solution</li><li>• Test the solution</li><li>• Evaluate the solution.</li></ul>	Non-Exam Assessment  70 Marks  20% of A Level

## Where can Computer Science take me?

The course provides an ideal foundation for students who want to pursue Computer Science or ICT at undergraduate degree level or for students who wish to be employed in the Computer Science industry. It also gives students the skills and knowledge which can be used in all areas of work such as software development or robotic engineering.

## What have previous students gone to do?

Previous students have gone off to study the subject at degree level:

- BSc (Hons) Computing/Computer Science
- BSc (Hons) Games Programming
- BSc (Hons) Software Architect
- BSc (Hons) Networking, Security and Forensics
- BSc (Hons) Robotic Engineering
- BSc (Hons) Information Technology Management for Business
- BSc (Hons) Information Communication Technology
- BSc (Hons) Data Science

*"I chose this subject because it is an essential part of today's society and Computer Science is involved in almost every aspect in our lives. I greatly enjoyed the GCSE course and the grade I received helped me to make the decision to take it for A Level. Although I'm not sure what I would like to do in the future, I am confident in the fact that it'll prove useful to show off during interviews or rewarding if I decide to pursue a career in it."*

*"Taking this subject at A Level seemed daunting at first however the resources and materials that the teachers have provided has helped me to understand each topic by breaking it down into smaller sections. I feel that because of this and the quality of teaching, I will be successful in my studies."*

*"Feedback in lessons and regular tests provide helpful information to help me improve. This is useful because there is a lot of content that needs to be covered and this helps to break each topic down."*



# A Level D&T: PRODUCT DESIGN

## What can DT: Product Design at Range Sixth Form offer me?

Product Design involves learning about the design, engineering and manufacture of a range of products made from a wide variety of materials. It is a challenging course that uses new technology and encourages you to work creatively. The course allows you to experience what it is like to work on real life design projects and develop a product for a client.

Throughout the course you will take ownership of your project work and learning which will help develop your skills to be an effective designer, engineer or manager.

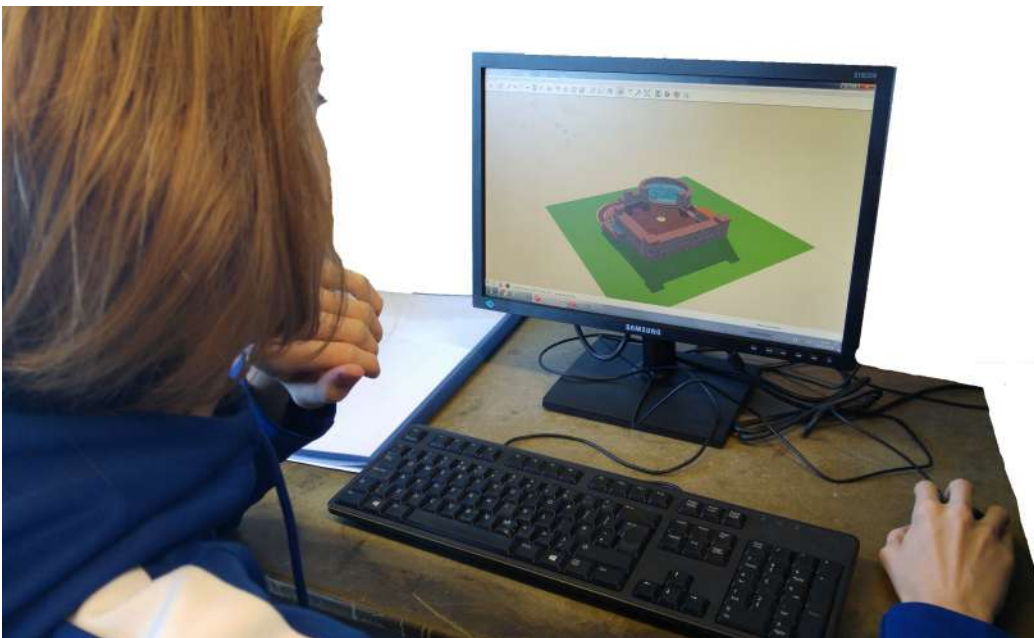
*“The work we did on materials and design put me at an advantage over many other students on my university course.”*

## What can I expect from Product Design at Range Sixth Form?

You will develop and enhance the skills you developed in GCSE Design & Technology, Engineering or Art. You will experiment with various modelling and construction techniques and have the opportunity to use CAD/CAM (Computer Aided Design / Computer Aided Manufacture) technology to match your project work to your career aims or areas of interest. You will refine and improve your analytical and graphical skills. You will be able to take advantage of our facilities to work independently and we have the capacity for you to continue with your design and make work during study periods.

You will learn about the design and manufacture of products by creating and making your own product from a wide selection of materials. You will understand why products like the I-Pod, the Coca Cola bottle and Mini Cooper have become design classics. You will study the work of commercial and contemporary designers, as well as finding out how designers are responding to global issues such as poverty and sustainable design, allowing you to develop the skills to be a designer, architect or engineer and make the first step to a rewarding career.

Product Design also combines well with a range of other subjects to support your progression into other careers.



The skills involved in Product Design go well with a broad selection of subjects from Maths and Sciences to Media, Computing or Business.

Students wishing to apply for either Pathway 1 or Pathway 2 are encouraged to opt for this subject.

## What are the Entry Requirements for Product Design?

To be guaranteed a place on this course, which is available on both Pathway 1 and 2, you need to meet the Admissions Criteria for Range Sixth Form. In addition, the normal entry requirements for Product Design are:

- Grade 6 or above in GCSE Design & Technology OR in GCSE Art or Photography

*However, please note that due to the practical nature of Product Design, students WILL BE considered on an individual basis where they can evidence high achievement at a practical level, even if they do not meet the above requirements. **It is worth discussing alternative entry options with a member of the Design and Technology Faculty.***



*Examples of A level Coursework*

*“Design and Technology is a phenomenally important subject. Logical, creative and practical, it’s the only opportunity students have to apply what they learn in Maths and Science – directly preparing them for a career in engineering.”*

**Sir James Dyson, Founder and Chairman of Dyson and Patron to the D&T Association**

## Where can Product Design take me?

A Level Product Design is suitable for students wishing to enter university courses or careers in Engineering, Civil Engineering, Architecture, Product Design and Graphic Design.

The course also supports progression onto other careers and courses such as Art, Business, Management and Media.

*“After being part of this Department for 7 years I can happily say that I’ve enjoyed it! I would strongly suggest you consider Design Technology at A level. It builds your team working ability, presentational skills and practical skills! Not many departments are able to do this but Design Technology has definitely done it for me!”*

## What have previous students of Product Design gone on to do?

Students have gone on to study, or start apprenticeships in, Engineering, Civil Engineering, Product Design, Art, Computer Animation and Teacher Training at a wide variety of Universities including Brunel.

# A Level DRAMA

## What can Drama at Range Sixth Form offer me?

At Range, you will:

- Work in a supportive environment where you will be encouraged to achieve your best
- Be able to develop your theoretical and practical skills in a variety of areas
- Have the opportunity to take part in a variety of enrichment activities such as theatre visits, workshops, performing for an audience and working with younger pupils.

## What can I expect from Drama at Range Sixth Form?

The course will develop practical, creative and communication skills in equal measure. You will extend your ability to create drama and theatre either in a performing or production role. You will develop your powers of analysis and interpretation to become an informed critic.

The course develops your skills in three main areas:

- 1) Theoretical: Appreciation of live theatre, text analysis, knowledge and understanding of theatrical practitioners, techniques and conventions.
- 2) Practical: Creating original drama and documenting the process, exploring, performing and reflecting upon a variety of texts.
- 3) Transferable skills: Creativity, team work, sensitivity, organisation, communication and confidence.
- 4) Personal skills:

The course aims to help promote students' ability to:

- Work as a team
- Reach deadlines
- Be creative
- Share ideas
- Improve confidence
- Become more self-aware.

You will be expected to:

- Work hard
- Attend extra curricular visits/ rehearsals
- Work as part of a team
- Be organised
- Work independently.



### **Students sit Component 1, their written exam, at the end of Year 13**

Written exam: 3 hours

Open book

80 marks

40% of A-level

### **Students will complete Component 2 at the end of Year 12**

Working notebook (40 marks)

Devised performance (20 marks)

60 marks in total

30% of A-level

### **Students will perform their Component 3 towards the end of Year 13**

Study of 3 play extracts

Performance of extract 3 (40 marks)

Reflective report on all 3 extracts (20 marks)

60 marks in total

30% of A-level

*“Drama A Level  
enables you  
to work  
independently.”*

*“Drama A Level develops  
your life skills.”*

*“The teachers get to  
know us really well.  
We can ask for help  
if we need it.”*

## **What are the Entry Requirements?**

To be guaranteed a place on this course, which is available on both Pathway 1 and 2 you need to meet the Admissions Criteria for Range Sixth Form for your chosen pathway with:

- Grade 6 or above in GCSE Drama
- Grade 5 or above in GCSE English Language.

Please note that due to the practical nature of Drama, students will be considered on an individual basis where they have the required grade in English Language along with a high level of achievement which can be evidenced at a practical level, even if they have not taken the subject at GCSE.

## **Where can Drama at Range take me?**

The course can lead to further study of Drama as it builds confidence, communication and presentation skills. It will also be of use in a wide range of careers including law, teaching, design, public relations, writing and many more.

## **What have previous students of Drama gone on to do?**

- Professional playwright
- Theatre lighting technician
- Professional actor
- Degree in Performing Arts
- Musical Theatre Degree
- Primary school teaching

Many students have gone on to work in the public sector industry.





# A Level ECONOMICS

## What can Economics at Range Sixth Form offer me?

Studying Economics helps you to understand many of the big and puzzling questions facing the UK and the world today, such as:

- What can be done to improve the prospects for the UK economy?
- Why is high inflation a problem?
- Should all education and healthcare be provided free of charge?
- Are Premier League footballers overpaid?

Economics is therefore likely to be of particular interest to students who are curious about topical issues and current affairs. The subject has a great deal of 'real-world' relevance which is regularly explored as part of our varied and stimulating study programme.

Economics is an ideal course for the inquisitive student who has an ability to think logically. Throughout the course, students are guided to problem-solving, to analyse important issues and to challenge established viewpoints and theories.



*Our Economics students meeting with visiting speaker Gertjan Vlieghe from the Bank of England's Monetary Policy Committee*

## What can I expect from Economics at Range Sixth Form?

The Economics A level course provides students with a firm and broad understanding of how economies work; how our scarce resources are allocated and how the decisions relating to their allocation affect us all.

In a lively and highly interactive study environment, students will learn about issues that affect the whole economy (macro) and those that affect various aspects of the economy such as businesses or individuals (micro). Within the course students will gain an in-depth understanding of how the laws of supply and demand work and of the many influences (including government influences) upon their interaction. Students approach the subject of economics from both a UK and a global perspective.

As we progress through the course, students are encouraged to conduct independent investigations and to form well justified opinions on a range of economic issues. A variety of extra-curricular opportunities are available to our students. In Y12, students are encouraged to participate in the 'Student Investor Challenge' and in Y13 they have an opportunity to take part in events such as meeting visiting speakers from the Bank of England.

Our students are well supported by our teaching staff throughout the course and we tend to be able to offer a greater degree of individual attention than the larger sixth form colleges. We also offer an excellent revision programme ahead of the exams. This includes opportunities to attend popular and well established external 'workshops' to broaden and extend knowledge and understanding of key topics.

The course is assessed through three 2 hour papers at the end of the second year.



*“Economic issues are central to the understanding of the real world.  
Taking the subject allows you to make a thorough consideration  
of current economic issues and problems.”*

## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE English Language and GCSE Mathematics
- Satisfactory academic and attitudinal references are required.

*Students with grades slightly below the above will be considered on an individual basis.*

*“Good new subject – you’ll like it if you enjoy using theory to  
make sense of our economy.”*

## Where can Economics at Range take me?

The applied nature of the A Level course provides an appropriate foundation for further study of Economics or related subjects in Higher Education. Higher education courses may focus on Economics or combine it as a significant component with one or more other subjects.

Economics related courses could be as diverse as Transport Management to Economic History.

Mathematical Economics or Econometrics is another option that may be followed.



*“Our upcoming  
topic is to discuss  
whether or not  
equality is a  
desirable feature  
in modern day  
society, which in an  
economic sense is  
much  
less straight forward  
than it sounds.”  
Members of the  
Economics Society  
(shown left)*

## What have previous Economics students gone on to do?

Previous students have used their Economics A Level to help them to access a range of university degree courses including Economics, Economics and Mathematics, Economics with a year in Industry and Mechanical Engineering. Past students have also progressed to study a range of business-related degree courses.



# A Level ENGLISH LITERATURE

## What can English Literature at Range offer me?

Studying English Literature at A Level offers you the opportunity to combine your love of reading and analytical writing with a rigorous and increasingly independent study of a wide range of literary texts. There is also an opportunity to develop your love of creative writing by producing a re-creative piece for your non-examined assessment.

It will offer you entry into a vibrant teaching and learning community and the chance to engage in critical debate with your peers and with our well-qualified, experienced and forward-thinking staff.

This, in turn, equips you to fulfil your potential and achieve excellent results in examinations.

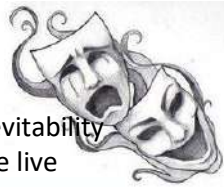
English is the most adaptable of subjects; whatever you are planning to study at university, whatever career you intend to follow A Level English will help. It is a subject which enhances your ability to communicate with others but, perhaps more importantly, to understand them. Whether you are aiming for law, medicine or fashion design, you will need to connect with others.

## What can I expect from English Literature at Range?

Of course, at its most basic level English is about the analysis of texts – and these texts include poetry, drama and prose, ranging from Shakespeare to novels and plays published in recent years. During your study of English literature, you will look at the texts through a literary lens and study aspects of tragedy and the genre of crime writing. You will be taught to also look at your texts from a critical perspective applying a variety of different critical approaches.

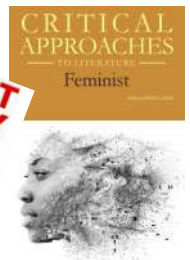
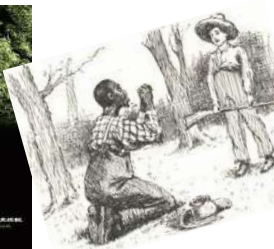
You will explore some of the following themes over the two years (this is not an exhaustive list):

- Tragic characters: tragic heroes; villains and intrigues; victims; foils; public or domestic tragedy
- Tragic themes: flaws; pride and folly; discovery; power of human emotion and futility; fate and inevitability
- How tragedy affects the audience, acting as a commentary on the real world in which the audience live
- Types of crime: petty crime right through to serious crimes of passion
- Types of criminals, their actions and motives
- Detection, investigation, justice and punishment.

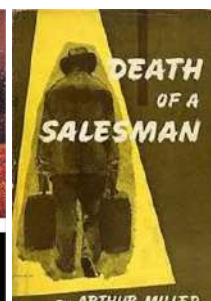
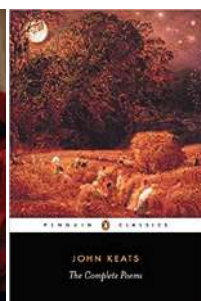
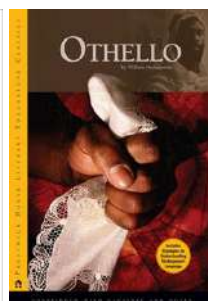
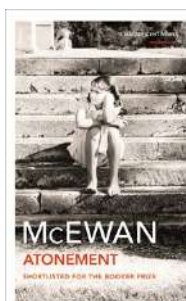


Theory that you will discover and apply to set texts and texts selected by you for your theory and independence include:

- Narrative theory
- Feminist theory
- Marxist theory
- Eco-critical theory
- Post-colonial theory
- Literary value and the canon.



Learning literary and dramatic terminology will help you express your ideas about literary themes with greater precision. This will not only enhance your appreciation of how different authors utilise form and techniques to create different effects, it will heighten your appreciation of the text being studied. It is important that you learn to develop coherent lines of argument. One of the most important things about studying this course in the Sixth Form is that you will have the time to argue, discuss and think about the written word in a more sustained, penetrating way than is possible at GCSE. Where possible, we will endeavour to take you to see the texts in performance and access literary lectures to equip you with the skills and knowledge to be successful.



## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE English Literature and / or GCSE English Language

## Where can English at Range take me?

- The sky's the limit! This qualification is well-recognised and respected by university admissions tutors. It can lead to further studies in a wide range of academic areas.
- The critical, evaluative and organisational skills that this subject demands transfer well to other subject areas and allow applicants to degree courses to present themselves as informed, engaged and perceptive individuals.
- English graduates find that their degrees open up a wide range of careers (for example in the media, law, teaching or journalism) or opportunities for continued study on post-degree courses.

## What have previous students of English gone on to do?

Former students secured places on degree courses ranging from English literature to Television and Radio, from Modern Languages to Law and from Early Years Teaching to Creative Writing. They go on to study subjects as diverse as Philosophy, Media, Geography - and even Diagnostic Radiography! Many Range High School English students go on to achieve excellent degrees from prestigious universities, which can lead to further academic studies or enhance prospects in today's increasingly competitive job market.



Range Sixth Form A Level English Literature Students attending the award winning production of Othello at Liverpool Everyman Theatre October 2022

# EXTENDED PROJECT QUALIFICATION (EPQ)

## What can EPQ at Range offer me?

The EPQ is usually taken in Year 12 but may be taken in Year 13, subject to timetabling. The EPQ is an additional qualification which requires students to study largely independently but with some support from school. Its main strength is that it helps students to develop the skills needed for Sixth Form and university study. Additionally, it is recognised and valued by universities and sometimes included in university offers.

## What can I expect from EPQ at Range?

Students follow a taught programme which includes both classroom and online learning. The taught programme helps students to develop a range of research and study skills which they then use to complete an outcome in the form of a dissertation, report or artefact on their chosen subject. Each student is allocated a supervisor (staff member) to support him or her through the process. Students also keep a reflective log of their learning and give a presentation of their findings at the end of the process.

## What are the Entry Requirements?

Students' suitability will be discussed on an individual basis. A good work ethic is essential.

## How will I be assessed?

Assessment is through a portfolio which includes students' reflective logs, their project outcome and their presentation notes.

## Where can EPQ at Range take me?

The EPQ enables students to develop and demonstrate independence and initiative. It is welcomed by universities but also assists students to gain key employability skills.





## What have previous students of EPQ gone on to do?

Previous students have gone on to university to study or train in:

Nursing, Teaching, Medicine, Genetics, History, Media and a variety of other subjects.

## What do previous students think?

*"The Extended Project is a brilliant way to inject your own interests into your work, so there is a guarantee of enthusiasm and engagement, and can demonstrate your independent prowess, something that universities will find appealing - it's one of the best advantages on offer."*

EPQ student

*"Extended Project has helped me to develop my research skills which are vital for university life, other skills include my presentation skills which are very important for later life also. It is also very attractive to universities, helping you gain that edge that can make the difference in terms of you going to the choice that you want."*

EPQ student

*"The Extended Project Qualification gives you a chance to research and write about any subject that you want. Not only does it allow you to learn more or to write something that you're passionate about, it can appeal to universities if it links into the subject you are applying for. Even if the subject of your EPQ is not related to the university course that you're applying for it can replace a lower grade. This is a great opportunity not to be missed."*

EPQ student

*"The Extended project gives you a chance to take your interest in a subject further, as you have control of your topic and how you will structure your project. It gives you a great opportunity to develop your research and essay writing skills, which will be invaluable once you leave school."*

EPQ student

## What do EPQ Supervisors think?

*"I enjoy supervising students on the Extended Project Qualification as it gives me an opportunity to engage in dialogue at a high intellectual level with our students and support them to work in a manner similar to that required at university."*

EPQ supervisor

*"As students are doing original research it is intellectually stimulating and I enjoy learning about the subject as much as the students."*

EPQ supervisor

# A Level FRENCH

## What can French at Range Sixth Form offer me?

A successful department that is well resourced and has a 100% pass rate A\*- B. You will be taught by well-qualified and experienced staff.

The aim of the Languages Faculty is to encourage you to:

- Develop an interest in, and an enthusiasm for, language learning
- Develop understanding of French in a variety of contexts and genres
- Communicate confidently, clearly and effectively in French for a range of purposes
- Develop awareness and understanding of the contemporary society, cultural background and heritage of Francophone countries or communities
- Consider your study of French in a broader context.

The course aims to enable you to:

- Derive enjoyment and benefit from language learning
- Acquire knowledge, skills and understanding for practical use, further study and/or employment
- Communicate with speakers of French
- Take your place in a multilingual, global society.

## What can I expect from French at Range Sixth Form?

During the course students will have access to a wide range of authentic materials to improve and deepen their knowledge of French. The study of a variety of topics will encourage the development of all four language skills (listening, speaking, reading, writing) and will involve the use of websites, videoclips, DVDs and a wealth of recorded material. In addition, students are strongly advised to read more widely around the topics studied and to access supplementary exercises and authentic material. It is hoped that students will therefore benefit from a stimulating course which develops intellectual skills and independent learning, enabling them to use French for the purpose of practical communication.

You will be able to:

- Take part in work experience in France
- Access on-line language learning resources
- Practise and improve your speaking skills with in one-to-one sessions
- Work with lower school pupils as part of the enrichment programme.



French Students on Work  
Experience in Rouen,  
France



## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above at GCSE French
- Grade 5 or above in GCSE English Language

*“Studying French at Range 6<sup>th</sup> form is a great opportunity to gain a really in-depth knowledge of not only the language itself, but its origins and linguistics. There is plenty of support from all the teachers.”*

## Where can French at Range take me?

The study of French combines well with many other subjects and a qualification in languages can enhance future employment prospects and careers. Linguists are the second most employable graduate category after medics. Studying a foreign language can lead to work in International Business, Law, Management, Marketing, Publishing, Journalism, Trade and Commerce, Travel and Tourism, Translating, Media and Teaching. Many other courses, such as Business and Computing, Media Studies, English, Maths and Law have foreign language components.

*“The French classes at Range are small, which allows for much more personalised teaching and learning and above all we are always supported by our teachers, they are always there to help us even at weekends and in the holidays! The work is challenging and we are always pushed to do the best we can, achieving great results at the end of the year!”*

## What have previous MFL students gone on to do?

Modern Languages at the University of Newcastle

French at the University of Leeds

Combined Honours including French at the University of Liverpool

French & Italian at the University of Leeds

French and German at UCL

# A Level FURTHER MATHEMATICS

## What can Further Mathematics at Range Sixth Form offer me?

If you are good at Mathematics, enjoy studying the subject and want to study it in more depth, then you should consider Further Mathematics. If you are considering studying a Mathematics related degree, Further Mathematics can be invaluable. Former students tell us that it has helped them enormously in degree courses such as Mathematics, Physics, Computing and Engineering. This subject can offer you:

- An exceptional pass rate over many years
- Staff members who are experienced at teaching Further Mathematics.

## What can I expect from Further Mathematics at Range Sixth Form?

Following on from the changes to the GCSE, September 2017 saw the introduction of the new A Level in Further Mathematics. The new A Level is linear in structure which means that all the content will be examined at the end of the course. A Level Further Mathematics has a prescribed core of approximately 67% of its content which includes:

- |                                 |                          |
|---------------------------------|--------------------------|
| • Proof                         | • Further Vectors        |
| • Complex Numbers               | • Polar Coordinates      |
| • Matrices                      | • Hyperbolic Functions   |
| • Further Algebra and Functions | • Differential Equations |
| • Further Calculus              | • Numerical Methods.     |

For the remainder of the content students will study Discrete Mathematics and Mechanics options.

### Discrete Mathematics

- Graphs
- Networks and Network Flows
- Linear Programming
- Critical Path Analysis
- Game theory for zero-sum games
- Binary operations.

### Mechanics

- Dimensional analysis
- Momentum and collisions
- Work, energy and power
- Circular motion
- Centres of mass and moments.



## What can I expect from Further Mathematics at Range Sixth Form? (cont'd)

The course will encourage students to:

- Understand mathematics and mathematical processes in a way that promotes confidence, fosters enjoyment and provides a strong foundation for progress to further study
- Understand coherence and progression and how different areas of mathematics are connected
- Apply mathematics in other fields of study and be aware of the relevance of mathematics to the world of work and to situations in society in general
- Use their mathematical knowledge to reason logically, make deductions and inferences and draw conclusions as well as recognise incorrect reasoning
- Generalise mathematically and to construct mathematical proofs
- Use and extend their range of mathematical skills and techniques to solve challenging problems which require them to decide on the solution strategy
- Represent situations mathematically, draw diagrams and sketch graphs to help explore mathematical situations and interpret solutions
- Interpret solutions and communicate their interpretation effectively in the context of the problem.
- Use technology effectively and recognise when such use may be inappropriate
- Take increasing responsibility for their own learning and the evaluation of their own mathematical development.

## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 8 or above in GCSE Mathematics
- Love of the subject
- Desire and ability to work at a fast pace
- Competence and confidence in using algebra — this is essential.

## Where can Further Mathematics at Range Sixth Form take me?

Studying Further Mathematics at A level is excellent preparation for university, particularly for those students wishing to study mathematics-related subjects such as Engineering, Science, Computing, Technology and Mathematics itself. Some leading universities now specify Further Mathematics as an entry requirement for certain courses. Many former students have reported that the study of Further Mathematics at A level not only helped them to obtain a degree course but also enabled them to cope well with the mathematical concepts needed at degree level.

Good mathematicians are in demand and so command high salaries and are required to work in all companies, so there is a very wide career choice for students with high level mathematical skills.

## What have previous students of Further Mathematics gone on to do?

Chemistry at Oxford University  
Mathematics at Cambridge University  
Mathematics at Manchester University  
Mathematics at Aston University  
Theoretical Physics at York University  
Mathematics with Mathematical Physics at  
University College London  
Aerospace Engineering at Sheffield University  
Mathematics at Nottingham University  
Mathematics at Edinburgh University  
Electronic Engineering with a year in Industry at  
Sheffield University

Mathematics at Bristol University  
Mathematics at Liverpool University  
Mathematics at Leeds University  
Computer Science at Bristol University  
Physics at Manchester University  
Physics at Oxford University  
Veterinary Science at Liverpool University  
Civil and Structural Engineering at  
Sheffield University  
Physics with Particle Physics and Cosmology at  
University of Birmingham  
Mathematics at Newcastle University

# A Level GEOGRAPHY

## What can Geography at Range Sixth Form offer me?

The Geography A Level reflects Geography's important role in examining the big global issues such as climate change, conflict and resources. You will learn about events that are in the news now. You will develop lots of new skills that will be valuable in the job market. For example, you will learn how to investigate a problem or issue from a variety of different angles and practise important decision making. Above all, you will appreciate that "Geography Matters!"



Iceland October 2022

## What can I expect from Geography at Range Sixth Form?

You will be taught by genuinely enthusiastic teachers. We like to travel and explore the world too! Each teacher in the Department intends to develop a relaxed working relationship with each student. Being valued as an individual, yet being challenged academically, allows your real potential to emerge. The Department is well resourced and well organised, it will encourage the development of your study skills, and will help you to take responsibility for your own learning. You will also get numerous chances to go on trips and develop your fieldwork skills including trips abroad to Iceland and Italy.

*"I took Geography at GCSE and I decided to continue the subject to A level because I enjoyed it that much. We only started the course recently and we have already been on two fieldwork trips! You are given lots of opportunities to enhance your learning."*





## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE Geography
- Grade 6 or above in GCSE English Language

*“Geography gives you the opportunity to explore and discover the world further. I have learnt lots of new skills which will be very useful in a future career.”*

## Where can Geography at Range take me?

There are many career paths that Geography can take you on including urban planning, environmental management, cartography, tourism management, GIS programming and climatology. However, even if you do not take Geography past A-level, Geography is a subject that teaches students a wide-range of useful skills for the marketplace or Higher Education. Employers and universities value the wide-ranging computer, research, problem solving and analytical skills that Geography students bring to work as employees.

*“I chose Geography for A level because I enjoyed the population topic at GCSE and I wanted to learn more about it. I also liked the fact that it ties in with a lot of other subjects that I was also thinking of taking at A level such as Biology.”*

*“I also take Geology alongside Geography - they complement each other well. I have always liked Geography, taking particular interest in the Physical side learning about volcanoes, cold environments and rivers.”*

## What have previous Geography students gone on to do?

Earth and Environmental Science at Lancaster University

Geography and Sports Science at Loughborough University

Geography at the University of Manchester

Geography and Economics at Lancaster University

Geo-environmental Hazards at Edge Hill University



# A Level GERMAN

## What can German at Range Sixth Form offer me?

- A successful department that is well resourced
- You will be taught by well-qualified, enthusiastic and experienced staff.

The aim of the teaching of German at Range is to encourage students to:

- Develop an interest in, and an enthusiasm for, language learning
- Develop understanding of German in a variety of contexts and genres
- Communicate confidently, clearly and effectively in German for a range of purposes
- Develop awareness and understanding of contemporary society, cultural background and heritage of countries or communities where German is spoken
- Consider your study of German in a broader context.

The course aims to enable you to:

- Derive enjoyment and benefit from language learning
- Acquire knowledge, skills and understanding for practical use, further study and/or employment
- Communicate with speakers of German
- Take your place in a multilingual, global society.

## What can I expect from German at Range Sixth Form?

During the course students will have access to a wide range of authentic materials to improve and deepen their knowledge of German. The study of a variety of topics will encourage the development of all four language skills (listening, speaking, reading, writing) and will involve the use of websites, videoclips, DVDs and a wealth of recorded material. In addition students are strongly advised to read more widely around the topics studied and to access supplementary exercises and authentic material. It is hoped that students will therefore benefit from a stimulating course which develops intellectual skills and independent learning enabling them to use German for the purpose of practical communication.

You will be able to:

- Access on-line language learning resources
- Practise and improve your speaking skills in one-to-one sessions
- Take part in work experience in Germany
- Have the opportunity to work with younger students as part of the enrichment programme.



## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE German
- Grade 5 or above in GCSE English Language

*“Studying German at Range 6<sup>th</sup> form is a great opportunity to gain a really in-depth knowledge of not only the language itself, but its origins and linguistics. There is plenty of support from all the teachers.”*

## Where can German at Range take me?

The study of German combines well with many other subjects and a qualification in German can enhance future employment prospects and careers. Linguists are the second most employable graduate category after medics. Studying German can lead to work in International Business, Law, Management, Marketing, Publishing, Journalism, Trade and Commerce, Travel and Tourism, Translating, Media and Teaching. Many other courses such as Business and Computing, Media Studies, English, Maths and Law have foreign language components.

*“The German classes at Range are small, which allows for much more personalised teaching and learning and above all we are always supported by our teachers, they are always there to help us even at weekends and in the holidays! The work is challenging and we are always pushed to do the best we can, achieving great results at the end of the year!”*

## What have previous A Level German students gone on to do?

French and German at UCL

German at the University of Reading

German at the University of Manchester

Physics at the University of Oxford

# HEALTH & SOCIAL CARE

## BTEC National Extended Certificate

### (1 'A' Level Equivalent)

#### What can Health and Social Care at Range Sixth Form offer me?

Health and Social Care is an applied subject which means that theory is linked to practice both through case study work and the opportunity to partake in a work placement. Health and Social Care is a broad based course which provides knowledge and understanding of a wide range of client groups within the contexts of healthcare and social care. It provides insight into these ever-changing sectors and is therefore useful both for those considering a career in care and those interested in working with people in any context.

#### What can I expect from Health & Social Care at Range Sixth Form?

Students take four units in Year 12 and four in Year 13

**Unit 1:** Human Lifespan Development (exam)

Students consider physical, intellectual, emotional and social development across the life stages and the different factors which may affect this development.

**Unit 2:** Working in Health and Social Care (exam)

Students explore what it is like to work in the health and social care sector including the roles and responsibilities of workers and organisations.

**Unit 5:** Meeting Individual Care and Support Needs (coursework)

Students focus on the principles and practicalities that underpin meeting individuals' care and support needs, which are the foundation of all the care disciplines.

**Unit 12:** Supporting individuals with additional needs

Students explore the role of health and social care services in providing care and support to individuals with additional needs.

#### How will I be assessed?

Assessment is through a combination of written exam and coursework. Due to the applied nature of the course, examination questions are largely case study based.



## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the admissions criteria for Range Sixth Form Pathway 2. This course can be taken alongside two A Levels (providing the student meets Pathway 1 requirements) or other BTEC courses on offer.

## Where can Health & Social Care at Range take me?

Health and Social Care is excellent preparation for a career or further study in Healthcare, Allied Health Professions and Social Care but is also useful for those considering degree level study in a variety of subjects due to the independent study skills which the course promotes. BTEC Health and Social Care taken in conjunction with BTEC Business is particularly relevant for students wishing to pursue degree level study in Healthcare Management, Human Resources Management or Business Psychology. Those interested in employment in human resources, retail and many other sectors would also benefit from the understanding of people and society which the course provides.

## What have previous students of Health & Social Care gone on to do?

Previous students have gone on to university to study or train in:  
Nursing (Adult, Children's and Mental Health branches), Midwifery, Occupational Therapy, Diagnostic Radiography, Psychology, Early Childhood Studies, Child Health and Wellbeing and Education.

*"I had always known that I would love to work within the health service, and study in Health and Social Care allowed me to explore a range of jobs and different aspects of healthcare. It definitely gave me a strong platform to stand on when I applied for Occupational Therapy at university, and even now I still draw on knowledge that I learnt on the course."*

**Anna Baines, a former Health and Social Care student, achieved a first class honours degree in Occupational Therapy from the University of Salford, and is now employed as an Occupational Therapist.**



# A Level HISTORY

## What can History at Range Sixth Form offer me?

- High quality teaching
- Support and Intervention to aid progress towards minimum expected grade
- Excellent examination results
- Experienced, enthusiastic and committed teachers
- Study visits to enrich the curriculum.

The course offers the opportunity to study different aspects of 16<sup>th</sup> - 18<sup>th</sup> and 20<sup>th</sup> century history. Students will have the chance to devise, research and complete a coursework question on a topic of their choice.

Unit 1: Twentieth century British political history

Unit 2: Democracy and Dictatorships in Germany 1919-1963

Unit 3: The Witch Craze in Britain, Europe and North America

Unit 4: Topic based essay.

History can be combined effectively with a number of other subjects including Economics, English Literature, English Language, Geography and many more.

## What can I expect from History at Range Sixth Form?

History will provide you with the following:

- A variety of opportunities to cater for different learning styles.
- Debate, discussion, presentations, independent research, projects, and analysis of sources.
- Transferable skills that can be used in other subjects and settings post Sixth Form.

## What are the Entry Requirements?

To be guaranteed a place on this course, you will need to meet the admissions criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE History
- Grade 5 or above in GCSE English Language
- A desire to find out about the past
- Enthusiasm for communicating ideas
- Knowledge and passion for understanding.

*“History has really helped me to improve my analytical skills, which are extremely useful for applying to university and future career opportunities.”*



*“History has helped me to understand the history of the world and the effects it has had on the present day, whilst providing skills that can be carried over to the future.”*

## **Where can History at Range take me?**

With a qualification in History you could go on to Higher Education, not just to study History, but any one of the many Arts and Social Science courses available. With or without a degree, you can use a History qualification to work in a great variety of jobs in business and administration, the police service, law, journalism and the media (as well as the more obvious careers like teaching or working in museums and libraries).

History equips you to study a range of different subjects or to apply for many different employment opportunities.

*“History helps you develop a wide range of skills that will help you in the future. History repeats itself, and if we don’t look at the past, we can’t learn for the future.”*

## **What have previous History students gone on to do?**

Previous History students have gone on to study a variety of different subjects at university, including Law, Economics, English, Marketing & Business, American & Canadian Literature, History & Culture.



A level History students visiting Berlin in 2020



# A Level MATHEMATICS

## What can Mathematics at Range Sixth Form offer me?

Mathematics is a highly regarded and enjoyable A Level. The problem solving nature of A Level Mathematics provides a rigorous academic basis which makes it a sought after qualification for a wide variety of university courses and careers. This subject can offer you:

- A committed, experienced, well qualified and supportive staff
- A good A Level pass rate

Opportunities to:-

- Enter competitions, such as the Senior Mathematics Challenge
- Attend university taster days.

## What can I expect from Mathematics at Range Sixth Form?

The A Level is linear in structure which means that all the content will be examined at the end of the course. All students will be assessed on areas of Pure Mathematics, Mechanics and Statistics as detailed below:

### Pure Mathematics

- Proof
- Algebra and Functions
- Coordinate Geometry
- Sequences and Series
- Trigonometry
- Exponentials and Logarithms
- Differentiation
- Integration
- Numerical Methods
- Vectors.

### Mechanics

- Quantities and Units in Mechanics
- Kinematics
- Forces and Newton's Laws
- Moments.

### Statistics

- Statistical Sampling
- Data Presentation and Interpretation
- Probability
- Statistical Distributions
- Statistical Hypothesis Testing.

The course will encourage students to:

- Understand mathematics and mathematical processes in a way that promotes confidence, fosters enjoyment and provides a strong foundation for progress to further study
- Understand coherence and progression in mathematics and how different areas of mathematics are connected
- Apply mathematics in other fields of study and be aware of the relevance of mathematics to the world of work and to situations in society in general
- Use their mathematical knowledge to reason logically, make deductions and inferences and draw conclusions as well as recognise incorrect reasoning.



The course will encourage students to (continued):

- Generalise mathematically and to construct mathematical proofs
- Use and extend their range of mathematical skills and techniques to solve challenging problems which require them to decide on the solution strategy
- Represent situations mathematically, draw diagrams and sketch graphs to help explore mathematical situations and interpret solutions
- Interpret solutions and communicate their interpretation effectively in the context of the problem
- Use technology such as calculators and computers effectively and recognise when such use may be inappropriate
- Take increasing responsibility for their own learning and the evaluation of their own mathematical development.

## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 7 or above in GCSE Mathematics. Students who achieve a high Grade 6 *may* be considered on an individual basis, in extenuating circumstances.

Success in Mathematics also requires determination and commitment to complete all of the set work and the willingness to ask for support. Competence and confidence in using algebra are essential.

## Where can Mathematics at Range take me?

As well as being a subject which can be studied in its own right, Mathematics is a key component of many jobs and degree courses: some examples are Geography, Genetics, Economics, Finance, Accounting, Computing and all

## What have previous students of Mathematics gone on to do?

Accounting and Finance	—	Durham University
Applied Physics	—	Nottingham Trent University
Architecture	—	Liverpool University
Astronomy, Space Science & Astrophysics	—	University of Kent
Anatomy & Human Biology	—	Liverpool University
Biomaterials Science & Engineering	—	Sheffield University
Chemical Engineering	—	Leeds, Sheffield and Newcastle Universities
Chemistry	—	Oxford University
Civil Engineering	—	Newcastle University
Computer Science	—	Lancaster, Sheffield and Bristol Universities
Criminology	—	Nottingham Trent University
Dentistry	—	Sheffield University
Diagnostic Radiography	—	University of Salford
Earth and Planetary Sciences	—	University of Manchester
Economics & Accounting	—	Queen's University Belfast
Electrical & Electronic Engineering	—	Liverpool John Moores University
Forensic Science & Criminal Investigation	—	University of Central Lancashire
Geophysics	—	Liverpool University
Mathematics	—	Cambridge, Edinburgh, Warwick and Manchester Universities
Mathematics with Statistics	—	Lancaster University
Mechanical Engineering	—	Liverpool, Sheffield and Newcastle Universities
Medicine	—	Imperial College London
Neuroscience	—	University of Manchester
Nutrition and Dietetics	—	University of Surrey
Particle Physics & Cosmology	—	Swansea and Birmingham Universities
Pharmacy	—	Cardiff and Nottingham Universities
Physics	—	University College London and Oxford University
Physics with Astrophysics	—	Manchester and Leeds Universities
Policing and Criminal Investigation	—	Staffordshire University



# A Level MEDIA STUDIES

## What can Media Studies at Range offer me?

- A supportive, caring and purposeful learning environment
- Experienced, specialist teachers to deliver each component of the A-Level Specification
- Digital video production equipment, including ICT suites equipped with photo editing software, enabling students to produce high quality practical work
- Enrichment activities including the chance to work on a range of productions
- Outside visits to the media industry such as the BBC at Media City in Salford, Hope University, York Short Film Festival and many more.

## What can I expect from Media Studies at Range?

You will make connections between different media forms and products, between media products and their contexts, both historical and political and between theory and practical work.

You will engage with a range of rich and stimulating media forms and products from a range of historical and geographical locations, identifying their significance to their audiences and their place in society.

### The course comprises of:

2 examinations: **70%** of the entire qualification will be dependent on the results from your examinations. They will cover the theoretical framework of Media analysis:

**Media Language:** how the media use forms, codes, conventions to communicate meanings

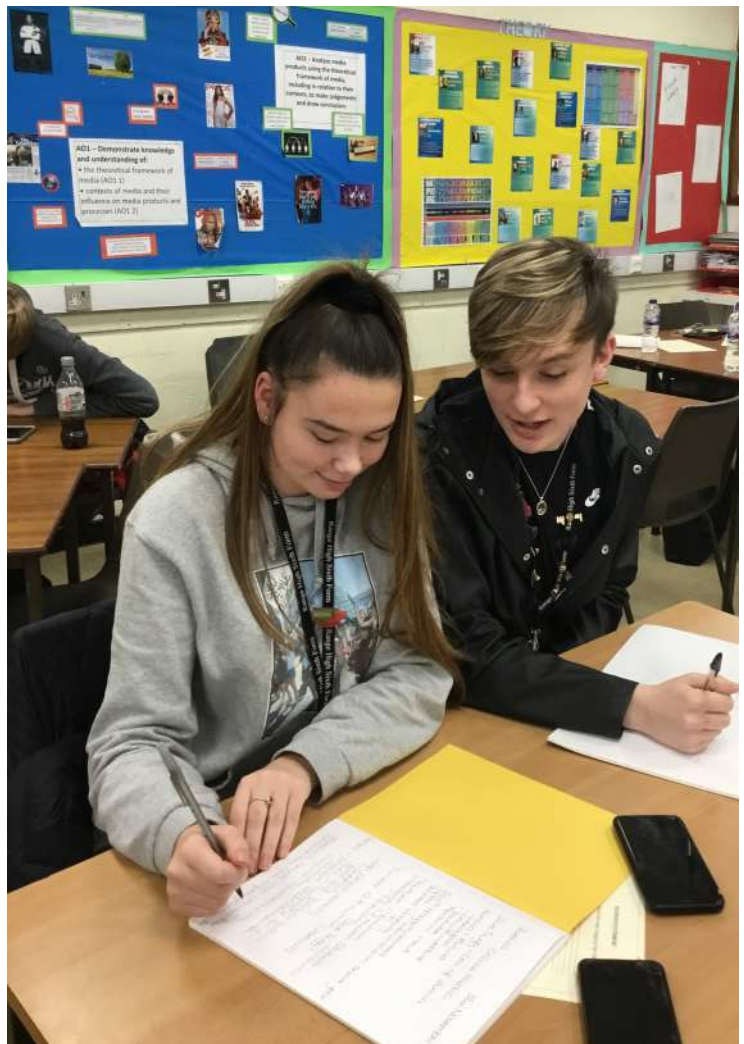
**Representation:** how the media portray events, issues, individuals and social groups and why.

**Industries:** how the media industries' processes of production, distribution and circulation affect media forms and platforms.

**Audiences:** how media forms target, reach and address audiences and how audiences interpret and respond to them, as well as how members of audiences become producers themselves.

### Coursework Folder:

1 Cross-media production in two forms for an intended audience which makes up the additional 30% of the qualification. A yearly brief will be set by the Examination Board to be completed in Year 13.



## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 5 or above in GCSE Media Studies
- Grade 5 or above in GCSE English Language

However, please note you **do not need** GCSE Media Studies to study 'A' Level Media Studies. If you have got it, great! Otherwise we will look at your attainment in other subjects which require good analytical and communication skills, principally English. Students will be considered on an individual basis.

## Where can Media Studies at Range take me?

Media Studies is a popular and growing area of Higher Education. There is a wide and varied range of Media courses available at Colleges and Universities beyond Sixth Form. These include Film Studies, Journalism, Film and TV Production, Web Design, Graphic Design, Video Game Design, and much, much more! With the introduction of a study into the political and social setting of texts, the course will begin to explore core principles of Politics and Sociology degrees. Media Studies will also equip you with transferable skills such as inference, historical and political analysis, communication and independence. Key critical thinking skills will also be learnt which will help with problem solving in all areas of study.

## What have previous students of Media Studies gone on to do?

Some of our former students are now working in the media, in areas such TV and Film Production and Journalism. In addition to this, our students have gone on to study most subjects you can think of! These include English Language and Literature, History, Law, Fashion Design and Marketing, Fine Art, Graphic Design, Business Studies, Law and Politics, Primary and Secondary Education and Modern Foreign Languages.



# A Level PHYSICAL EDUCATION

## What can Physical Education at Range Sixth Form offer me?

- A supportive, caring and motivational climate in which to learn
- Specialist teachers to deliver each component of the A Level specification
- Access to good facilities to allow students to undertake practical work in order to underpin theory

We encourage our A Level students to become actively involved in helping to coach our lower school sports' teams.

## What can I expect from Physical Education at Range Sixth Form?

- Physical Education qualifications allow students to play to their strengths and gain dynamic skills for further education and a healthy future. Our current specification teaches students to evaluate performance and suggest plans for improvement. It also covers the benefits of healthy living alongside topics like the role of media in sport
- Students will have a specialist teacher for each area of the specification
- There are regular assessments in order to monitor progress and target set. We also have interviews with our students at Christmas and Easter to ensure that each student is progressing as expected and to check if they require any help or guidance in any area of the specification.

Practical assessments will take place throughout the course, but there is a large emphasis on students to collect DVD evidence in the sport or activity they are being assessed in.



*Former Head Boy Matthew, is now studying Physical Education and School Sport at university. He then plans to do a PGCE course or a Schools Direct placement. He says: "Range Sixth Form provided me with a positive and encouraging environment that allowed me to develop the skills required to move on to University. The skills that I developed at Range have benefitted my undergraduate studies and I am now training towards my dream job as a PE teacher."*

*Former Range Sixth Form student Lucy is now studying Sport and Exercise Science at university*





## What are the Entry Requirements?

To be guaranteed a place on this course you will need to meet the admissions criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE Physical Education
- Grade 5 or above in GCSE Biology or GCSE Combined Science

Please note that due to the practical nature of this subject, students will be considered on an individual basis, where they have the required grade in GCSE Biology/Combined Science, along with high level of achievement which can be evidenced at practical level, even if they have not taken the subject at GCSE.

## Where can Physical Education at Range take me?

There are so many Higher Education courses in Physical Education, Sport, Leisure, Nutrition and Health. These courses can lead to careers in coaching, teaching, leisure management, journalism, sports science, physiotherapy, sports medicine, sports development, fitness instruction, sports design and technology as well as many other areas. The world of sport and physical recreation provides a rich variety of interesting and rewarding career opportunities.

## What have previous students of Physical Education gone on to do?

Interior Design, Primary and Secondary Education with QTS, Film and Media Studies, Physical Education, Business Studies, Early Childhood Studies, Business and Management, Sport and Exercise Science, Tourism Management, Sports Therapy, Sport Events Management, Physics with Particle Physics and Cosmology, Sport Development and Physical Education, Nursing, Sport and Exercise Therapy, Real Estate, Mechanical Engineering, Geology, Diagnostic Radiography, Criminology and Psychology, Aerospace Engineering, Dental Surgery, History and Human Nutrition.



*“Range Sixth Form supported my sporting ambitions whilst also helping me fulfil my academic potential and supported me in finding a healthy balance between both.”*

*Sarah Beckett - England Rugby International*



# A Level PHOTOGRAPHY

## What can Photography at Range Sixth Form offer me?

Range High School Art Department is made up of a number of well qualified, practising artists who can each offer their own specialist area of expertise.

You will work within a vibrant, stimulating environment which has its own Gallery area. Students will also have the opportunity to work in our new Creative Hub. The Mac Suite houses ten new Apple computers along with MacBook Airs. Our photographic editing resources support students to improve practice promoting employability within the Arts. You will also have access to a good range of specialist art materials and cameras.

The aim of the course is to extend your existing digital photography and image manipulation skills. You will also develop your ability to work independently and to communicate and express your ideas creatively.

The Art Department offers an open door policy to all Sixth Form Photography students and you are welcome and encouraged to come into the Department and continue your studies outside of normal lesson times.

Outside the classroom the Art Department also offers a wide variety of enrichment activities, including Liverpool gallery visits, a creative careers event at the Tate hosted by Liverpool City College, European city cultural visits and many more exciting opportunities. We also offer students a number of areas where they can become leaders within the Arts, such as Creative Captains of Range High School Creative Council (*pictured below*), mentoring other students, assisting with primary lessons, becoming social media ambassadors and generally assisting to shape the Arts across the whole school.

## What can I expect from Photography at Range Sixth Form?

The course allows you to develop themes such as the environment, portraits and the figure, natural forms, still life, landscape and location and issue based work. You will be taught by at least two experienced teachers and during workshop based lessons, led by the Art Department, will be introduced to a variety of technical skills and Photoshop techniques.

As well as participating in skill based workshops and receiving regular one to one tutorials you will have the flexibility to work independently and further extend your existing knowledge through the freedom of focusing on your own specific pathway.

Critical and contextual studies form an important part of your portfolio and you will explore the work of other photographers or artists to use as an influence for your own work.

As part of the requirements of the course your work will be presented in a series of sketchbooks, which will be accompanied by a technical book. You will receive extra support in preparation for Art based interviews.

In non-contact time you are expected to be working in the Art Department for a minimum of 2 extra hours each week.



## What are the Entry Requirements?

To be guaranteed a place on this course, which is available on both Pathway 1 and 2, you need to meet the admissions criteria for Range Sixth Form with:

- Grade 6 or above in GCSE Photography

Please note that due to the practical nature of Photography, students will be considered on an individual basis where they can evidence high achievement at a practical level even if they have not taken the subject at GCSE.

## Where can Photography at Range take me?

Photography is the perfect accompaniment to the Art A Level course, especially for anyone wishing to undertake an Art or Design based career, and offers excellent preparation for both foundation studies and Art related degree courses.

The course is also an ideal choice for anyone as a third A Level as it is an accredited course for University entrance.

Photography is a subject connected to a variety of careers, such as professional photography, work in the fashion industry, gallery and museum work, advertising and marketing, television and film work, journalism and teaching.

## What have previous students of Photography gone on to do?

This is an exciting course with excellent results. We achieved well above the national average in 2019. Our students produce work of an impressive quality which opens many future career opportunities. Many students have gone on to further study, some students are now studying Animation, Photography, Media and Art courses.



*Art and Photography A Level students were offered the chance to visit Paris in October 2022*



# A Level PHYSICS

## What can Physics at Range Sixth Form offer me?

Physics is delivered by highly experienced and enthusiastic specialist staff who are committed to helping students reach their full potential. You will be encouraged and supported by your teachers through a course which promotes increased independence and academic rigour.

A range of extra curricular opportunities is available to Physics students:

- Visits to lectures /workshops at local universities
- The Nuffield Bursary scheme allows students to spend the summer working on real research projects at Liverpool University
- The most academic students compete in the prestigious Physics Olympiad, run by the Institute of Physics
- Y12 and Y13 students have also had the opportunity to visit Cern Particle Physics Research Faculty in Geneva.

## What can I expect from Physics at Range Sixth Form?

The course aims to develop your understanding of the world around you from the smallest building blocks of matter, light, the Universe and everything in between!

You will develop analytical, quantitative and problem solving skills through engaging, interactive and practical lessons.

The first year of the course continues with the familiar GCSE themes of mechanics, energy, waves, and electricity. Also introduced are the exciting concepts of particle and quantum physics.

In the second year we cover the compulsory topics of gravity, electromagnetism, nuclear and thermal physics. There is also a choice of one optional unit including astrophysics, medical physics and turning points in physics.

Throughout the course there is also a very strong emphasis on extended practical work using a range of technologies. This is an essential part of the course that will be examined in each of the modules.



Sixth Form Physicists on a trip to CERN, Geneva

## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE Physics

OR

- Grade 6 or above in GCSE Combined Science
- With Grade 6 or above in GCSE Maths
- It is recommended that students also study A Level Maths.

## Where can Physics at Range take me?

For those with an ambition to be at the forefront of emerging technologies, innovative research, new discoveries and theoretical debate, Physics is for you!

If you want to be a weather forecaster, games designer, sound engineer, journalist, renewable energy advisor, investment banker, surgeon, physiotherapist, Physics is for you too!

By studying Physics you are opening the door to a wide variety of careers. As well as learning about how the universe works, you will get a broad training in skills that all employers value – an ability to grasp concepts quickly, a determination to find coherent answers, not to mention problem-solving, analytical, mathematical and IT skills. Studying Physics is an excellent way of keeping your options open and allowing entry into a vast number of Higher Education courses, as well as providing plenty of employment opportunities.

## What have previous students of Physics at Range gone on to do?

Previous students have gone on to study a diverse range of degrees at many top universities. They include:

Accountancy  
Aeronautical Engineering  
Astrophysics  
Biology  
Biomedical Science  
Chemical engineering  
Chemistry  
Civil Engineering  
Dentistry  
Economics and French  
Electronic and Electrical Engineering  
Marine Biology  
Mathematics  
Mechanical Engineering  
Medicine  
Particle Physics  
Physics  
Theoretical Physics  
Veterinary Science

Students have also used their qualification to further their training through scholarships, apprenticeships with top companies such as Shell or officer training with the Armed Forces.



# A Level PSYCHOLOGY

## What can Psychology at Range Sixth Form offer me?

Psychology is an amazing subject to study. You will learn the fundamentals of the subject and develop skills valued by Higher Education and employers including critical analysis, independent thinking and research skills to name a few. This A Level is fascinating and will be of interest to any student who wants to understand why people behave in the way that they do.

You will be taught by well qualified and experienced teachers who are AQA examiners and have a history of leading high performing departments and successfully supporting students in their career progression. You can expect to be challenged to achieve your potential and supported by regular feedback enabling you to identify what you are doing well and what will lead to continued improvement as you develop your skills.

## What can I expect from Psychology at Range Sixth Form?

The A-Level is linear in structure which means that all the content will be examined at the end of the two year course. You will have three, two hour written exams all with a mixture of multiple choice, short answer and extended essay questions. You will have lots of practice opportunities to develop your skills in answering these questions.

### Paper 1: Introductory Topics

- \* Social Influence
- \* Memory
- \* Attachment
- \* Psychopathology.

### Paper 2: Psychology in Context

- \* Approaches in Psychology
- \* Biopsychology
- \* Research Methods.

### Paper 3: Issues and Options in Psychology

- \* Issues and Debates in psychology
- \* Relationships
- \* Schizophrenia
- \* Forensic Psychology.

The course will encourage students to:

- Develop essential knowledge and understanding of different areas of Psychology and how they relate to each other
- Develop and demonstrate a deep appreciation of the skills, knowledge and understanding of scientific methods
- Develop competence and confidence in a variety of practical, mathematical and problem-solving skills
- Develop an interest in and enthusiasm for Psychology, including developing an interest in further study and careers associated with Psychology
- Understand how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

Psychology is classed as a Science and therefore the course is demanding as you are not only required to develop your knowledge, understanding, application and evaluation of Psychology but you also have to demonstrate competence in Mathematics. At least 10% of the marks in assessment will require the use of Mathematical skills. AQA recommends higher tier GCSE Maths. In addition, at least 25-30% of the overall assessment will be linked to Research Methods. A strong background in Biology would be an advantage.



## What are the Entry Requirements?

To be guaranteed a place on this course you need to meet the Admissions Criteria for Range Sixth Form Pathway 1 with:

- Grade 6 or above in GCSE Mathematics and GCSE English Language

Students who achieve below this *may* be considered on an individual basis; GCSE Science grades will be a focus.

## What support will I receive?

A variety of support will be available to you within the department, for example, one to one tutorials, 'Exam Skills Clinics', revision sessions before exams or a chance to make improvements to a piece of work. In addition, you will work collaboratively with your peers and support could come from peer tutoring. You will receive support with UCAS applications, apprenticeship or job applications and be supported with mock interviews.

## Will there be an opportunity for extra-curricular activities?

There will be an opportunity for students to run a PsychSoc club.

There will be an opportunity for lead practitioners in Psychology to run workshops with you.

There will be an opportunity to attend courses and conferences, for example, those led by Tutor 2U or 'Life behind bars' or Shiverpool to explore Parapsychology.

## Where can Psychology at Range take me?

Psychology will appeal to a cross-section of students, regardless as to whether or not they have studied the subject before. You do not need to have a GCSE background in the subject to be successful at A-Level so it is a great opportunity to try something new that will not only be really enjoyable, but that will also equip you with some fantastic transferable skills. Psychology builds on and develops skills in the Sciences, Maths and Humanities and consequently enhances applications in many career pathways.

## What have previous students of Psychology gone on to do?

At least one third of Psychology students in any given year will progress directly onto a Psychology or Psychology related degree. For example, students will want to become a Psychologist and work in a Clinical or Forensic setting or want to become Criminologists, working for the Police or Social Services. Many students use their Psychology to enter Education and train as Teachers or the medical profession to become Doctors, Dentists, Vets, Physiotherapists, Occupational Therapists or Midwives, to name a few.

With the transferable skills students have also entered fields such as Aerospace Engineering and have commented on just how useful their Psychology has been. Students have also progressed on to Law degrees or careers within Film, Media and Business. In short there is no limit to where Psychology can take you in terms of course, career or geographical location.

## For more information.

[www.bps.org.uk](http://www.bps.org.uk) / [www.aqa.org.uk](http://www.aqa.org.uk)

**We look forward to welcoming you into the Department in September and wish you good luck with your GCSE exams in summer.**

