



Discover
your passions
and develop
your talents



Fuel your ambition
Shape your future

Supportive environment
where you can thrive



Inclusive community
that values you



Opportunities beyond
the classroom



NOTRE DAME **SIXTH FORM**



“A superb school where girls thrive academically and beyond, supported by some of the best pastoral care we’ve encountered.”

Talk Education 2025



AIMING HIGH

Academic rigour quite rightly sits at the heart of teaching and learning in ND6. All students are supported and encouraged to pursue their highest aspirations.

LIVING LIFE TO THE FULL

Everyone is different, with unique talents and interests. Our aim in ND6 is to help every single student look beyond the classroom, to get maximum enjoyment.



Welcome to Notre Dame Sixth Form



ND6 is a vibrant and nurturing community where academic ambition thrives alongside joy, laughter and a strong sense of belonging.

Choosing where to continue your education after Year 11 is one of the most important decisions you will make and at ND6, we aim to make that choice both inspiring and fulfilling. Here, you are encouraged to pursue the subjects that truly excite you, within a dynamic and supportive environment that champions both intellectual curiosity and personal wellbeing.

We offer an impressive range of 25 A Level and vocational subjects, enabling you to shape a curriculum that reflects your passions and ambitions. Whether your next step is university, an apprenticeship, further study, or full-time employment, we are here to support and guide you every step of the way.

At ND6, we understand the pressures and possibilities of modern life. Our dedicated team of specialist teachers and pastoral staff provide expert academic instruction in small, tutorial-style classes, coupled with individualised care and guidance. Here, no aspiration is too big, and no goal is out of reach.

Life at ND6 extends well beyond the classroom. From subject-based trips, lectures and enrichment days, to performing arts, sporting fixtures and community service, there is a wealth of opportunity to broaden your horizons and deepen your experiences.

We are immensely proud of the confident, compassionate and independent young people who leave ND6 ready to shape the future. Along the way, you'll forge friendships and memories to last a lifetime.

We look forward to welcoming you.



Jessica Northcote
Assistant Headteacher
Sixth Form

“Leaders at all levels understand the school’s aims, which place equal emphasis on promoting pupils’ wellbeing, their happiness and their success. The result is a calm, purposeful atmosphere in which pupils know that they are valued as unique individuals.”

2024 ISI Inspection Report



Why choose Notre Dame?



Because Sixth Form is a serious business, as well as being the time of your life.

Your Sixth Form time is short – it is only 20 months from your first day until you begin study leave in the May of Year 13. There's a lot to achieve in a short amount of time. If this precious time is focused and well spent, you will be thoroughly prepared academically, emotionally and practically for what you need to pursue your own personal aspirations.

ND6 offers the very highest quality education in a secure, safe and vibrant community. You will form strong, supportive relationships with your teachers, who will know you very well as an individual, so you feel supported both academically and pastorally. When it comes to your next steps, we will offer personal and tailored preparation and support as we want all our students to achieve their first-choice outcome.

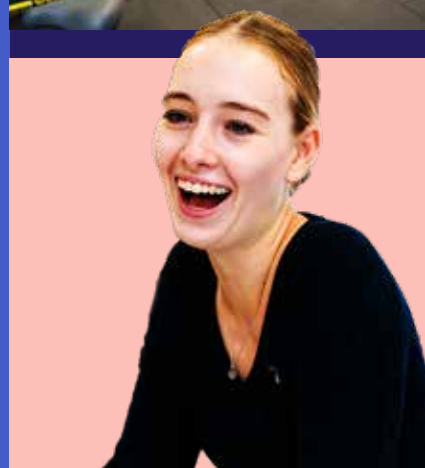
Our students consistently demonstrate exceptional performance in public examinations and outperform the national average. In fact, our ND6 students perform, on average, one full grade higher than they would elsewhere. Our expert subject specialists and personalised support makes this the norm in ND6!

ND6 is about so much more than achieving your best possible results, though. From international trips to co-curricular opportunities in sport, music, drama and art through to The Duke of Edinburgh's Award Scheme, Young Enterprise, Model United Nations, Philosothon and the Peer Education Project, there is a multitude of opportunities. These experiences make your own personal journey through ND6 especially rewarding and memorable, and give you a great sense of teamwork, recognition and achievement.



“Pupils make good progress and consistently achieve good outcomes at GCSE and A-level over time. Most pupils go on to university, and some choose to follow an apprenticeship route.”

2024 ISI Report



Why take A Levels?

A Levels are the most recognised qualification for post 16 study in the UK. More than 780,000 A Levels are awarded each year according to Ofqual. Universities are used to them and comfortable with the standard they represent. Employers can understand what the grades mean in terms of your abilities and strengths. Overseas universities (both in Europe and North America) recognise A Levels, and routinely give offers based on A Level grades.



A Levels give a deep understanding of the subject matter, rather than a broader overview of five or six subjects. This means you will have an excellent foundation to continue your studies at university.



As well as 24
A Levels, we offer
a Level 3 Diploma
in food science &
nutrition and the
Extended Project
Qualification (EPQ).

Why study at a girls' school?

Notre Dame is a dynamic, inclusive and supportive School based on inclusive and tolerant values that support our young students to be whoever they want to be. Our safe and caring environment prepares you to be more resilient and sure of yourself, so you can hold your own at university and at work, based on a secure foundation where you can build your self-esteem and take risks in your learning. We have more than 400 years of experience of working with young adults. We understand the challenges and pressures, so we can support you with openness, expertise and experience.

You can **find out more** about the advantages of an all-girls' education, on the Girls' Schools Association website at www.gsa.uk.com

- Research has shown that girls at all-girls' schools do better than girls at co-educational independent schools, consistently gaining a higher proportion of A and A* grades at A Level than girls from mixed schools.
- Girls at all-girls' schools are also, according to OFSTED, more likely to avoid stereotypically female careers. 70% more girls take maths, 90% more take physics or chemistry and 80% more take a foreign language if they are at an all-girls' school.
- More girls from all-girls' schools go on to higher education than girls from mixed schools.



Inspiring individual potential

Because Sixth Form is a serious business, as well as being the time of your life.

You deserve the best academic experience. We know that getting this right, for every student, in every lesson, every day, makes all the difference. At ND6, that means enthusiastic, creative and highly qualified subject specialists who have the highest aspirations for you and deliver engaging, interesting and wide-ranging lessons. Every lesson is rigorously planned and small groups allow ample time for lively discussion and exploration of ideas.

At the heart of outstanding academic progress is high quality assessment, tracking and feedback. Our integrated data tracking system plays an instrumental role in this process, allowing us to monitor each student's journey along a personalised 'flightpath'. This ensures that every lesson is tailored to provide the right level of support and challenge. Through collaborative marking, students are actively involved in understanding their progress, empowering them to take ownership of their learning and achieve their full potential.

"It matures girls in the right way, treats them as adults but in a safe environment. They leave fully ready for university with super strong self-confidence"

Good Schools Guide 2024



Your best state of mind

We know that happy, comfortable and secure young adults make confident and successful learners who feel safe to venture beyond their comfort zone, try out new approaches and explore new ideas. Our dedicated ND6 tutors are not only a listening ear, they also take a role in reviewing your performance, scrutinising work and advising on effective study habits but most importantly they are also pastoral advisors.

During your time in ND6, there is a multi-layered pastoral support structure in place, which includes your Head of Sixth Form, Form Tutor, Wellbeing Mentors, The Hive (our Pastoral and Learning Support Centre) and our School Psychologist.

There is a series of PILLARS workshops and reflection days on topics such as diversity, self esteem, relationships and fostering a 'bounce back' attitude. There are also regular pastoral talks for parents from qualified external advisors, and you will receive sessions and masterclasses on revision, planning and organisational strategies.

Everyone respects and celebrates inclusion and diversity, and each student is valued for precisely who they are and not for how well they measure up to an expected norm.



PILLARS

PILLARS is a compulsory two hour lesson each week. Through PILLARS, we aim to foster growth in areas such as personal skills, independence, leadership, aspirations, relationships and spiritual exploration. PILLARS encapsulates 'education' in its broadest and truest sense; it opens the students' minds to the range of possibilities that the world offers in terms of interests, careers, political views, religious beliefs, philosophical outlook, higher education, health and practical life skills. The fact that the subject is not examined at Notre Dame means that a spirit of genuine exploration can be generated, rather than a rigid or functional approach.



“No one is educated in isolation; it is the whole community that educates.”

St Jeanne de Lestonnac – Foundress

Building confidence and character

Being in a school Sixth Form environment provides you with an ideal opportunity to develop new skills and interests, as well as spending more time on your existing passions.

At Notre Dame, there is no shortage of activities to enjoy, and you will be encouraged to get involved. It is always good to balance your academic studies with something completely different. It all adds up to having the best time!

LEADERSHIP

Being a Sixth Form student provides real leadership opportunities in the roles of Senior Prefect, Head of House, Leaders in the Chaplaincy Team as well as mentoring Year 7s as 'Big Sisters'. The Head Girl Team oversees the School Council and 'Student Voice' programme. Sixth Formers also take the lead in organising and running various inter-house competitions, as well as undertaking a term of leadership activities within the wider School.

COMMUNITY

Sixth Formers contribute to our wider community in a variety of ways, particularly acting as mentors to younger students within the School, organising 'Rag Week' and taking positions of responsibility to enhance everyone's sense of belonging.

MUSIC AND DRAMA

Our music and drama facilities, including our 370 seat professional level Theatre, are second to none and we encourage you to get involved in extra-curricular music and drama. This could include roles in the school play and the direction of the end-of-term Talent Show as well as performing in the various music and choral events through the year.

SPORT

At Notre Dame we believe that physical and mental health go hand in hand and all our Sixth Form students are encouraged to participate in an engaging and fun sporting programme. This varies from term to term and includes group activities such as volleyball, aqua aerobics, swimming, yoga, badminton, pilates, zumba and mindfulness. In addition, you will have access to our new strength and conditioning fitness suite to exercise in a non-competitive environment.

Our students are supported to pursue excellence in their chosen sport and are able to take part in team sports such as netball and hockey. We also provide a series of fixtures with local schools throughout the year. Top level support is provided for elite athletes.

TRIPS

There are some great trips in ND6, which typically offer an educational element, new experiences, adventure and usually some shopping! These have recently included New York/Washington, Christmas market/ Disneyland Paris, Florence/Venice, NASA Space Centre, a ski trip and sports tours. There is also a multitude of educational trips and residentials, including lectures, masterclasses, field trips, gallery, museum and theatre visits and academic challenges.

"The wide variety of opportunities on offer have made my Sixth Form years the best in my life."

ND6 Student



“School leaders state that the pupils’ happiness is as important as their academic success. This commitment underpins its pastoral structures.”

2024 ISI Inspection Report



“Sport is massive at Notre Dame,’ said one Sixth Former. Students enjoy a broad range of sports, from netball and football to yoga and pilates. It’s now a compulsory part of the timetable for Years 12 and 13.”

Talk Education 2025





Careers and university guidance

Study and life beyond the Sixth Form

We want you to leave Notre Dame well informed and prepared for the next stage in your life. We invest considerable time and resources in providing high-quality and bespoke guidance to each and every student including:

- One to one careers interviews to ascertain interests and aptitudes – helping to compile a list of suitable universities, colleges or alternative avenues such as apprenticeships.
- UCAS and higher education events, university and apprenticeship fair visits, together with extensive personalised support through the application process.
- An expert speaker event series, with a range of exciting external speakers. These events run as advisory sessions for parents and students to receive information, advice and guidance on careers, universities and further education.
- A careers fair offering the opportunity to discuss different career options with experts in their field. This event is well supported by our own Alumnae, who are delighted to return to talk to you about their chosen careers.
- Our twice termly 'Pathways' programme features our Alumnae, who share their experiences of university, apprenticeships and a wide range of careers every six weeks.
- A well-stocked ND6 library on universities, courses and careers, including a wide range of subject specific publications.



"I will never forget the vibrant, caring and welcoming community that makes Sixth Form life here so special."

ND Student





Oxbridge, Vets & Medics

Our Oxbridge, Vets and Medics programme supports students to engage in the supra-curriculum, and highlights the importance of critical thinking to fully prepare students for both interviews and admission tests. Guest speakers and work experience guidance are embedded within the programme, together with one to one specialist subject support.



“There’s a bespoke Oxbridge programme designed to open doors rather than apply pressure. Most girls progress to Russell Group universities (56%), with a number also pursuing art college (5%).”

Muddy Stilettos 2025



Come and visit ND6, our thriving Sixth Form Centre

ND6 is proud to offer a dedicated Sixth Form Centre. A vibrant, purpose-built space designed in collaboration with our students to reflect the independence and maturity of Sixth Form life. It is a place where you can relax, chat and study in calm and contemporary surroundings, away from the busy pace of the main School.

Our current Sixth Form Centre includes a private garden, fully equipped kitchen, social areas, meeting rooms and both individual and collaborative study spaces. There is a dedicated Sixth Form floor in our modern Library and Resources Centre.

We're also excited to share that plans are underway for a full refresh of the ND6 Centre, with a vision to further enhance the space, providing even more inspiring, student-led facilities fit for the future.

This environment offers you the best of both worlds; the freedom to explore your independence while remaining very much part of our vibrant whole-school community.



“Sixth Form classes are kept deliberately small and delivered in a tutorial style setting, providing ideal preparation for the transition to higher education.”



A Level subjects on offer at ND6

Each Student applying for ND6 will have an individual choices interview with a senior member of staff to make sure that the subject group is appropriate and will fit well with their likely university routes.

- Art & Design: Art, Craft & Design
- Art & Design: Photography
- Art & Design: Textile Design
- Biology
- Business
- Chemistry
- Classical Civilisation
- Computer Science
- Drama & Theatre Arts
- Economics
- Linguistics (English Language)
- English Literature
- Food Science & Nutrition (Level 3 Diploma)
- Geography
- History
- Latin
- Mathematics
- Further Mathematics
- Modern Foreign Languages (French, Spanish)
- Music
- Philosophy, Religion & Ethics
- Physical Education
- Physics
- Psychology
- Sociology

Extended Project Qualification

In addition to the A Levels above, we also offer an Extended Project Qualification (EPQ) Level 3.

Entry Requirements

The academic requirements for studying A Levels in the Sixth Form at Notre Dame are:

- A minimum of six GCSEs at Grade 6 or above.
- Maths and English at Grade 5 or above.

Please consult the subject course information on the following pages for further details.





Subjects on offer

Our Sixth Form offers a broad and balanced curriculum designed to meet the diverse interests, strengths and ambitions of every student. With a wide range of academic and vocational subjects available, our girls can tailor their programme of study to support their future aspirations, whether that be university, apprenticeships or employment. From traditional subjects such as English, Mathematics and the Sciences, to creative and humanities-based options, we provide opportunities for students to challenge themselves, develop new skills and deepen their knowledge in areas they are passionate about. Our expert teaching staff and supportive learning environment ensure that each student is guided towards achieving their full potential and making informed choices for their next steps.



Art & Design:

Art, Craft & Design



Examination Board: Edexcel 9AD0

■ What is the course about?

The A Level in art, craft and design is a broad-based course of study, developed through a range of 2D, 3D and time-based processes and media approaches. This includes fine art, graphic communication, textile design, 3D design and photography. The course has three major elements: supporting studies, practical work and a personal study.

■ For the two-year linear A Level course you will study:

A Level Unit 1 – Coursework

This unit incorporates two linked elements, each with separate final outcomes: practical work and personal study. These two elements, though separate, are integrally linked and support each other. The supporting studies combine research and development for both final outcomes. The personal study consists of an investigation presented as written and visual analysis into an aspect of a selected artist's art, craft or design work which includes images and a written element of between 1,000 and 3,000 words. Both the contextual and practical outcomes are based on themes and starting matter developed from personally generated starting points.

A Level Unit 2 – Externally Set Assignment

The externally set assignment represents the culmination of the A Level course. The paper consists of one broad-based thematic starting point. The delivery of this unit is planned with appropriate guidance during the preparatory period, encouraging independence in the student in the development of your ideas. You will submit supporting studies and practical outcomes in response to the given theme. The 15-hour timed element, in which you will produce an unaided practical final outcome is carried out under examination conditions.

■ How is the course assessed?

Unit	Assessment	%
Unit 1 Coursework and Personal Study	Internally set Internally assessed Externally marked	60%
Unit 2 Externally Set Assignment	Internally set Internally assessed Externally marked	40%

■ What can the course lead to in terms of higher education and future careers?

Progression to higher education is normally a foundation course where a wide range of art practices are offered, followed by a BA degree course in your chosen specialism. The range of career opportunities is wide, including: animation, ceramics, fashion, fine art painting, fine art sculpture, film, graphic communication, graphic design, illustration, industrial design, interior design, jewellery design, media, photography, product design and art restoration.

■ What are the formal entry requirements?

GCSE art at Grade 6 or above is the best foundation for success in A Level art. You should have an aptitude for, and lively enjoyment of, the subject and the commitment and interest to sustain the demands of the course.

Art & Design: Photography



Examination Board: AQA 7204

■ What is the course about?

The photography course is a two-year linear A Level with an emphasis on digital photography and Photoshop. You will be introduced to a variety of photography techniques, media and processing. Within this course, photography can include works in film, video, digital imaging and light-sensitive materials.

Like the masters, you will use photography to record, document and present examples of everyday life in ordinary and extraordinary ways. Photography has also been used as a vehicle for artistic expression and a way of communicating personal ideas about the world around us. Photography is used to convey personal identity more widely than any other art form and is also widely used in social, commercial and scientific contexts.

■ How is the course assessed?

You should have an aptitude for and lively enjoyment of, the subjects of photography and art. You must demonstrate a commitment and interest to sustain the demands of the course. A GCSE art at Grade 5 or above is desirable, however, this is not a prerequisite and you may find success on the photography course without it. The Foundation Unit studied in Y12 will introduce and prepare you for the course.

Unit 1 (Coursework (NEA), 60% of A Level)

Marked by the centre and marked and moderated by Edexcel.

Overview of assessment:

- Incorporates three major elements: supporting studies, practical work, and a personal study.
- Supporting studies and practical work will comprise a portfolio of development work and outcomes based on themes and ideas developed from personal starting points.
- The personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum of 1,000 words of continuous prose, which may contain integrated images.

The personal study is 12% of the total qualification and is marked out of 18. Work must cover all four assessment objectives and be marked using the assessment grid.

Coursework marks available: 90.

Unit 2 (15-hour exam, 12 weeks preparation time, 40% of A Level)

Marked by the centre and marked and moderated by Edexcel.

Externally set assignment incorporating two major elements: preparatory studies and the 15-hour period of sustained focus.

Preparatory studies will comprise a portfolio of practical and written development work based on the externally set assignment.

- During the 15-hour period of sustained focus under examination conditions, you will produce final outcome(s) from your initial photographs into developed final outcomes in response to the externally set assignment.
- The externally set assignment is released on 1st February and contains a theme and suggested starting points.
- You have from 1st February until the commencement of the final 15-hour period of sustained focus to develop preparatory studies.
- The 15-hour period of sustained focus under examination conditions may take place over multiple sessions.

Assessment objectives are the same as for art A Level.

■ What can the course lead to in terms of higher education and future careers?

Fine art, design, architecture, graphic design, visual effects and animation, history of art, education, illustration, illustration and animation, computer game design, interior design, creative technologies, product design, industrial design, textiles, graphic communication, interactive design, photography, motion graphics, art therapy, psychology, design engineering, visual communications.

Art & Design: Textile Design



Examination Board: AQA

■ What is the course about?

During the A Level textiles course, you will be introduced to a variety of experiences exploring a range of textile media, techniques and processes. You can decide to work in one or more areas of textile design, such as fashion/wearable art, printed and/or dyed fabric and materials, constructed textiles such as knit or weave, textile installation or interior design. Each component is based on a theme and you are encouraged to study personal ideas through in-depth fabric exploration. The course will enable you to understand how to apply colour, composition and surface texture effectively through fabric design. Each component concludes with the production of a significant fashion or decorative final outcome. This qualification will provide you with the creative and technical skills required to progress onto degree courses in fashion, printed and constructed textiles or alternatively fine art/textile art.

■ For the two-year linear A Level course you will study:

A Level Unit 1 – Personal Investigation

During this component, you will get the opportunity to develop your work in a personal and exciting way. You are required to conduct a practical investigation into an idea, issue, concept or theme, supported by written material. You must independently identify the focus of the investigation and this should lead to a finished outcome or a series of related finished outcomes. The investigation should be a coherent, in-depth study that demonstrates your ability to construct and develop a sustained line of reasoning from an initial starting point to a final realisation. The investigation must show clear development, from initial intentions to the final outcome or outcomes. It must include evidence of your ability to research and develop ideas and relate their work in meaningful ways to relevant critical/contextual materials.

The investigation must be informed by an aspect of contemporary or past practice of artists, photographers, designers or craftspeople. The written element must be a coherent and logically structured extended response of between 1,000 and 3,000 words of continuous prose to include specialist vocabulary appropriate to the subject matter. The written element of the Personal Study is supported by imagery linking your contextual studies to your own personal responses.

A Level Unit 2 – Externally Set Assignment

You will be given an exam paper where you can choose from eight different questions that are to be used as starting points. You will be required to select one. You will be provided with examination papers on 1st February, or as soon as possible after that date. You will be advised and guided during the preparatory time but also encouraged to work independently. Preparatory work should be presented in any suitable format, such as mounted sheets, design sheets, sketchbooks, workbooks, journals, models, and maquettes. Following the preparatory period, you will complete 15 hours of unaided, supervised time. In the 15 hours, you will produce a finished outcome or a series of related finished outcomes, informed by your preparatory work.

Unit	Assessment	%
Unit 1 Coursework and Personal Study	Internally set Internally assessed Externally marked	60%
Unit 2 Externally Set Assignment	Internally set Internally assessed Externally marked	40%

■ Career Opportunities

Textiles will provide you with the creative and technical skills required to progress onto foundation and degree courses in fashion, printed and constructed textiles or alternatively fine art/textile art. Many students also progress onto other related degrees such as fashion journalism/photography/marketing/buying/promotion, interior design, product design, and theatre/costume design to name just a few.

■ What are the formal entry requirements?

GCSE textiles or art at Grade 6 or above is the best foundation for success in this course. This is a highly practical course, with a strong emphasis on working creatively; therefore it would be great to have enthusiasm and a passion for textiles and fashion. You will also need very good organisational skills and a passion for creating and producing.

Biology



Examination Board: AQA

■ What is the course about?

Biology involves the study of a wide range of exciting topics, ranging from molecular biology to the study of ecosystems and from micro-organisms to mammoths.

■ In Year 12 you will study:

There are four main topics in the first year and six practical assignments.

Unit 1: Biological molecules

Unit 2: Cells

Unit 3: Organisms exchange substances with their environment

Unit 4: Genetic information, variation and relationships between organisms

■ In Year 13 you will study:

Year 13 helps you build on the firm foundation from Year 12 and unlike Year 12, it has four academic topics

Unit 5: Energy transfers in and between organisms

Unit 6: Organisms response to changes in their internal and external environments

Unit 7: Genetics, populations, evolution and ecosystems

Unit 8: The control of gene expression

■ How is the course assessed?

At the end of Year 13 you will be assessed by 3 papers.

Paper 1 - Year 1 content

Biological molecules & cells

Organisms exchange substances with their environment

Genetic information, variation and relationships between organisms

Paper 2 - Year 2 content

Energy transfers in and between organisms

Organisms response to changes in their internal and external environments

Genetics, populations, evolution and ecosystems

The control of gene expression

Paper 3 - All content and a synoptic essay.

Each paper is 2 hours.

■ What skills will I need and develop in this course?

The biology A Level course helps you develop a number of skills

- How to collect data and evaluate it.
- How to investigate facts and use deduction.
- How to communicate your point of view effectively.
- How to take responsibility for your own learning.

■ Subject combination advice

Students who take biology often also study from a wide range of subjects, including psychology, sociology, PE, chemistry, physics, geography, languages and the arts.

■ What can the course lead to in terms of higher education and future careers?

Biology is a great choice of subject for people who want a career in health and clinical professions such as medicine, dentistry, veterinary science, physiotherapy, pharmacy, optometry, nursing, zoology, marine biology or forensic science.

■ What are the formal entry requirements?

Biology GCSE minimum Grade 7, combined science GCSE minimum Grade 7, GCSE Maths Grade 7.

■ What activities enrich this subject?

Attending 'Biology in Action' lectures, an ecology field trip, keeping abreast of the news and topical TV articles and programmes dealing with current biological issues.

Business



Examination Board: Edexcel

■ What is the course about?

A Level business looks at all aspects of the business world, from starting your own enterprise to being part of a larger corporation.

■ In Year 12 you will study:

Theme 1: Marketing and People

Meeting customers' needs and understanding what is a market enterprise and leaders, marketing mix and strategy

Theme 2: Managing Business Activities

Raising finance, financial planning, managing finance, resource management and external influences.

■ In Year 13 you will study:

Theme 3: Business Decisions and Strategy

Business objectives and strategies, business growth and its implications, decision-making techniques, assessing competitiveness and managing change.

Theme 4: Global Business

Implications of globalisation, global markets and business expansion, global marketing, global companies – are they good or bad?

■ How is the course assessed?

This course is assessed by examination only.

There are three examinations covering all four themes.

■ What skills will I need and develop in this course?

This course will help you develop a number of skills:

- How to view the world around you from different perspectives.
- How to plan and conduct business operations and activities.
- How to analyse and interpret data.
- Critical reasoning skills – evaluate, justify, discuss.
- How to communicate your point of view fluently.

■ Subject combination advice:

You cannot study both business and economics.

Otherwise all combinations work well.

■ What can the course lead to in terms of higher education and future careers?

A Level business is an academic qualification. Therefore its greatest use is as a stepping stone to further and higher-level study.

■ What are the formal entry requirements?

GCSEs in English and mathematics at Grade 5 or above.

■ What activities enrich this subject?

Students have the opportunity to attend subject related lectures to reinforce their understanding of the topics covered. Young Enterprise is also very worthwhile to support business understanding.

Chemistry



Examination Board: AQA

■ What is the course about?

Chemistry A Level provides an in-depth knowledge of this fascinating subject, preparing you for further education or giving you the credentials to enhance your job prospects. The course is underpinned by the practical skills we call 'How Science Works'. Chemists have greatly improved the quality of life for the majority of people by being real innovators, designing solutions to the problems that affect modern times. Whether you want a job in medicine or industry, chemistry is the solid platform upon which many careers are built. Chemistry provides an excellent broad range of skills including numeracy and problem solving, desirable in most career paths.

■ In Year 12 you will study:

There are two learning units in the first year. Unit 1 covers foundation subjects like atomic structure, bonding, periodicity and equilibria and their relevant practical skills.

Unit 2 is the study of topics like kinetics, an introduction to organic chemistry and analytical techniques and relevant practical skills.

■ In Year 13 you will study:

A similar format is followed in the second year.

Paper 1 Inorganic and physical chemistry (periodicity and transition metals).

Paper 2 Organic and physical chemistry (aldehydes, carboxylic acids, polymers etc).

Paper 3 Any content from Year 12 and Year 13 (including practical skills assessment).

■ How is the course assessed?

In Year 13 you will have three A Level assessments:

Paper 1 120-minute – 105 marks of short- and long answer questions.

Paper 2 120-minute – 105 marks of short- and long answer questions.

Paper 3 120-minute – 40 marks on practical techniques and data analysis, 20 marks testing from the whole specification (synoptic questions) and 30 marks for multiple-choice questions.

■ What skills will I need and develop in this course?

This course will help you develop a number of skills:

- How to assemble data and assess it.
- How to investigate facts and use deduction.
- How to express your point of view clearly.
- How to work as a team to achieve results.

■ Subject combination advice

Students who take chemistry often also study from a wide range of subjects including psychology, sociology, biology, physics, languages, and mathematics.

■ What can the course lead to in terms of higher education and future careers?

Chemistry is a great choice for people who want a career in health and clinical professions, such as medicine, nursing, biochemistry, dentistry or forensic science. It will also equip you for a career in industries such as petrochemicals or pharmaceuticals. It is also excellent preparation for a career in engineering.

■ What are the formal entry requirements?

Chemistry GCSE minimum Grade 7, combined science GCSE minimum Grade 7, GCSE Maths Grade 7.

■ What activities enrich this subject?

Reading scientific journals such as *Nature* or *New Scientist*. Watching programmes of wider scientific interest. Keeping abreast of new scientific developments in the news. Attending seminars such as Chemistry in Action.

Classical Civilisation



Examination Board: OCR

■ What is the course about?

This course aims to develop an interest in and enthusiasm for the classical world and to acquire, through studying a variety of appropriate sources, knowledge and understanding of the classical world.

■ For the two-year linear A level course you will study

Unit 1: The World of the Hero: this is a compulsory component consisting of an in-depth study of one of Homer's Iliad or Odyssey and Virgil's Aeneid. This component is solely focused on the study of literature in translation.

Unit 2: Culture and the Arts: students must study one component in this component group, chosen from:

- Greek theatre
- Imperial image
- Invention of the barbarian
- Greek art

Unit 3: Beliefs and Ideas: Students must study one component in this component group, chosen from:

Components in this group involve the study of visual and material culture. In all except Greek art, this is combined with the study of literature in translation.

- Greek Religion
- Love and Relationships
- Politics of the Late Republic
- Democracy and the Athenians

Components in this group involve an area of classical thought, in combination with either the study of literature in translation or visual/material culture.

■ How is the course assessed?

The A Level is externally examined through three examination papers:

The World of the Hero – 2 hours 20 minutes

Culture and the Arts – 1 hour 45 minutes

Beliefs and Ideas – 1 hour 45 minutes

■ What skills will I need and develop in this course?

You will develop an awareness of the continuing influence of the classical world on later times and of the similarities and differences between the classical world and later times. You will develop and apply analytical and evaluative skills at an appropriate level and make an informed, personal response to the material.

■ Subject combination advice

Classical civilisation works well with any arts or humanities subject.

■ What can the course lead to in terms of higher education and future careers?

A good degree in classical civilisation can lead in many directions, from academic pursuits in classics or history to journalism, politics or the visual arts.

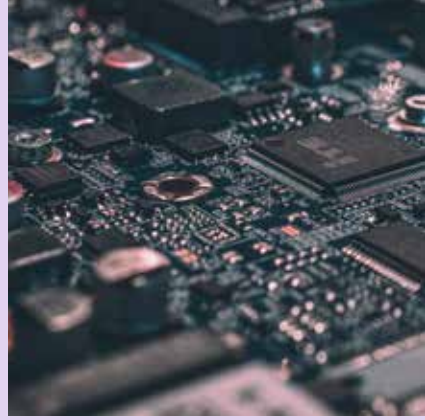
■ What are the formal entry requirements?

English GCSE at Grade 5 or above.

■ What activities enrich this subject?

Visits to the British Museum and to theatrical productions, Classical Association conferences, when available.

Computer Science



Examination Board: OCR

■ What is the course about?

Computer science is a practical subject where you can apply the academic principles learned in the classroom to real-world systems. It's an intensely creative subject that combines invention and excitement and can look at the natural world through a digital prism.

■ For the two-year linear A Level you will study:

- The characteristics of contemporary processors, input, output and storage devices.
- Software and software development.
- Exchanging data.
- Data types, data structures and algorithms.
- Legal, moral, cultural and ethical issues.
- Elements of computational thinking.
- Problem solving and programming.
- Algorithms to solve problems and standard algorithms.

■ How is the course assessed?

The course is assessed by two written exams worth 40% each and a programming project worth 20%.

■ What skills will I need and develop in this course?

The aims are to encourage students to:

- Have an expanded maths focus, much of which will be embedded within the course.
- Put computational thinking at its core, helping you to develop the skills to solve problems, design systems and understand human and machine intelligence.
- Allows you to apply the academic principles learned in the classroom to real-world systems in an exciting and engaging manner.
- Develop an ability to analyse, critically evaluate and make decisions. The project approach is a vital component of 'post-school' life and is of particular relevance to further education, higher education and the workplace. Each student is able to tailor their project to fit their individual needs, choices and aspirations.

■ Subject combination advice

Computer science combines well with all subjects.

If you plan to develop programming, you may wish to study mathematics and physics.

■ What can the course lead to in terms of higher education and future careers?

This course lends itself to the business world, helping young learners understand the use and role technology can play in supporting and improving businesses.

It may help you investigate further pathways into computer science, vocational courses such as programming, networking, computer systems and further specific computer science avenues. It can support you to aim for higher education, universities can differentiate between applicants through a strong basis of technological competencies as well as a recognised Level 3 academic qualification.

■ What are the formal entry requirements?

GCSEs in English and mathematics at Grade 6 or above. A Grade 6 or above in Computer Science GCSE is highly desirable.

■ What activities enrich this subject?

The department aims to take students on relevant industry visits. Database design, web design, spreadsheet modelling, graphic design, animation, discussion of the future implications and applications of computer science all enrich the subject.

Drama and Theatre Studies



Examination Board: Edexcel

■ What is the course about?

You will gain a deeper understanding of the creative process of theatre; the social, cultural and historical influences on drama writing, theatre production and performance, exploring how plays are brought to life by actors, directors and practitioners. You will have opportunities to develop your performance skills and will also learn to devise, direct, design and review a variety of live theatre productions.

■ For the two-year linear A Level you will study:

Component 1: Devising (40% of the A Level)

- You will devise an original performance piece, using one key extract from a first studied performance text and the methodology of an influential theatre practitioner as your stimuli.
- You will complete a 3,000-word explorative coursework portfolio.

Your practical performance and your supporting coursework portfolio is marked internally and moderated externally.

Component 2: Text in Performance (20%)

- You will study a second performance text and perform one key extract as a group performance.
- You will perform a monologue or duologue from a third performance text.
- Your performances are externally assessed by a visiting examiner.

Component 3: Theatre Makers in Practice (40%)

- You will respond to a statement question, which asks you to analyse and evaluate a live theatre performance you have seen during the course.
- You will also answer two extended questions about how you would interpret an unseen extract from a fourth performance text studied, focusing on how this scene can be effectively communicated as a performer and a designer.
- You will also answer one extended question based on a fifth performance text you have studied, in line with a chosen theatre practitioner, focusing on how you would creatively stage and communicate this text as a director.

■ How is the course assessed?

The Component 1 devised performance and portfolio is teacher-examined and externally moderated. The Component 2 performances are assessed by a visiting examiner. The Component 3 written examination (2 hours and 30 minutes) is externally assessed.

■ What skills will I need and develop in this course?

You need to be an enthusiastic performer who is passionate about drama and interested in developing a wider knowledge

of all aspects of theatre and production. You will develop your skills in acting, research, project management and discussion as well as the creativity, understanding and empathy needed to develop original drama through co-operative group work. You will also hone the leadership qualities needed to manage the production process and develop confident presentational skills through live performance.

■ Subject combination advice

English, art, psychology, history and classical civilization are subjects which complement drama; however, drama can enhance a broad spectrum of subject combinations because of the versatility of the practical and analytical skills studied.

■ What can the course lead to in terms of higher education and future careers?

Drama A Level can support a variety of degree courses; particularly English literature, the creative arts and humanities. It is also applicable to courses centring on project management, public relations and presentation, law, media, marketing, business, advertising, teaching and communications.

Drama courses at university vary from practical to entirely theoretical in content and can also be linked in dual honours or modular degrees with English, history, modern foreign languages, music, film, media, arts administration or dance.

There are opportunities for career paths in film, radio and television production, arts administration, education and training, in addition to specialist vocational careers in theatre as a performer, or in a variety of technical theatre roles such as stage management, scenography, lighting and sound design, prop-making, directing, producing and writing.

■ What are the formal entry requirements?

English GCSE at Grade 6 or above is essential. Grade 6 or above in drama GCSE is desirable, but not essential if there is a proven track record of practical involvement in theatre training or productions. LAMDA or Trinity speech and drama examinations are also desirable. Studying LAMDA in the school Sixth Form also provides extra technical support and a portfolio of performance pieces which can aid the practical requirements of the course and is therefore highly recommended.

■ What activities enrich this subject?

Mentoring and supporting the Year 10 Drama Directors during the Inter-House Drama Festival production process. Organising and participating in theatre events and trips to London's West End and Stratford-upon-Avon. Participating in workshops with theatre industry professionals and practitioners.

Economics



Examination Board: Edexcel

■ What is the course about?

Economics is about choice and the impact of our choices on the rest of society. It relates to every aspect of our lives, from the decisions we make as individuals or families to those made by governments and businesses. The A Level course at Notre Dame is structured into four clear and coherent themes reflecting today's global economy and economic development.

■ In Year 12 you will study:

Theme 1: Introduction to Markets and Market Failure

This unit is an introduction to the market economy and the workings of markets. You will learn how consumers make decisions and how markets operate efficiently and what happens when they do not.

Theme 2: The UK Economy – Performance and Policy Measures

In this unit you will learn the principles of macroeconomics. This involves examining the role of the government in helping markets to operate and whether the government can alleviate problems of unemployment, inflation and slow economic growth.

■ In Year 13 you will study:

Theme 3: Business Behaviour and the Labour Market

This unit builds on Theme 1 and looks at the operation of firms from the point of view of their costs and their behaviour. You will consider whether monopolies should be controlled and how government might intervene to deter anti-competitive behaviour.

Theme 4: The Global Perspective

In this synoptic unit, you will bring together your knowledge of micro- and macro-economics to understand the growth of nations and the problems that poor countries face. You will also develop an understanding of the role of taxation and government expenditure in building economies.

■ How is the course assessed?

There are three examinations covering all four themes.

■ What skills will I need and develop in this course?

Economics is not mathematical, but you need to be numerate. You need to be comfortable using graphs to understand relationships; interpreting data; working with percentage changes. Good economists are clear communicators, so you should be able to write carefully and be evaluative.

■ Subject combination advice

If you know you want to study this subject at university then you should study A Level mathematics. Otherwise all combinations work well.

■ What can the course lead to in terms of higher education and future careers?

Economics is a well-regarded A Level because it develops analytical and evaluative thinking with communication.

Some degree courses in economics will require A Level mathematics so it is imperative that you check with individual universities if you know now that you would like to study economics at university.

■ What are the formal entry requirements?

GCSEs in English and mathematics at Grade 6 or above.

■ What activities enrich this subject?

The department aims to take students to lectures at the London School of Economics. In the past students have submitted work for the Royal Economic Society's Young Economist competition and the Bank of England's competition.

Linguistics (English Language)



Examination Board: AQA

■ What is the course about?

This highly engaging course explores many fascinating aspects of the English language – the words we use, hear and read every day. You will explore and critically engage with a wide range of spoken, written and online texts as well as developing your own analytical and creative writing skills. You will learn how society, gender, ethnicity, age, geographical location, nationality, occupation and identity affect our language choices. You will study how and why the English language has developed over time as well as discovering how young children acquire their spoken and literacy skills.

■ You will study:

- Linguistic methods such as semantics, pragmatics, morphology, syntax, phonology, graphology, discourse structure.
- Textual variations and representations across a range of subjects, from diverse writers and speakers, for different audiences, for a variety of purposes in a range of genres using various modes (written, spoken, electronic).
- Language diversity – spoken and written texts using different sociolects and dialects; how language varies depending on personal, social and geographical factors; differing research studies and attitudes to language diversity; how language shapes identity.
- Children's language development (from 0-11 years)
- Language change and global English – exploring features such as etymology, neologisms and the impact technology has on how we communicate in the 21st century.
- Writing Skills – developing your skills in writing academically and writing creatively for a non-specialist audience.
- Language in action (coursework) – language investigation and original writing with commentary.

■ How is the course assessed?

Assessment is 80% examination (two papers) and 20% coursework.

■ What skills will I need and develop in this course?

You will need effective communication skills and be willing to read all the course material plus undertake independent research to broaden your knowledge and understanding.

By the end of an A Level in linguistics you will have developed an impressive collection of transferable skills including critical and comparative analysis skills, more sophisticated ways of writing creatively and analytically, plus an insightful appreciation of how language is used and manipulated.

■ Subject combination advice

Linguistics is a very flexible A Level and combines well with many other subjects including sociology, psychology, business studies, history and English literature.

■ What can the course lead to in terms of higher education and future careers?

As linguistics A Level combines academic, creative, analytical and evaluative skills, it is highly regarded by universities. Therefore, studying this subject can lead to a degree in many subjects.

Furthermore, there are numerous careers that may follow from the study of linguistics. For example: publishing, journalism, law, advertising, marketing, public relations, teaching, politics, business management, and media.

■ What are the formal entry requirements?

At least a Grade 5 and a Grade 6 in GCSE English literature and language in any combination.

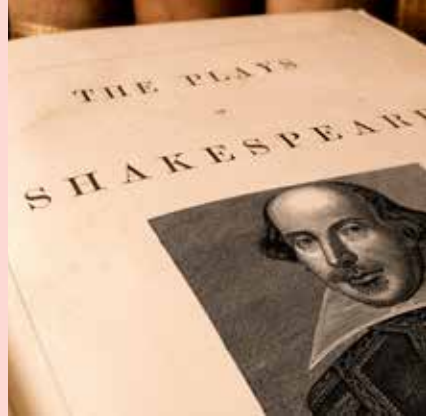
■ What activities enrich this subject?

Additional independent research on areas of study that especially interest you will greatly aid your language investigation coursework.

Following ideas about language in the news via online media outlets or social media platforms, will enhance your appreciation of the dynamic nature of this subject as well as giving you a deeper understanding of current linguistic issues.

Entering creative writing competitions, such as those organised by Young Writers, will further aid your focus on vocabulary and structural choices in your own writing for the examinations and original writing coursework.

English Literature



Examination Board: Edexcel

■ What is the course about?

English literature A level will give you the chance to attain a broad overview of literature through the ages and across genres. It prepares you to study English literature at degree level and allows you to choose an area of literature that you are passionate about. It incorporates several other subject areas, such as history, philosophy, theology, science, sociology, drama and politics and would marry well with any of these subjects.

■ For the A Level you will study:

Drama – either features of a comedy or tragedy, with focus on a Shakespeare play e.g. 'Othello'/'Twelfth Night' and one other play (such as 'A Streetcar Named Desire' or 'The Importance of Being Earnest').

Prose – you will compare a modern and pre-20th century text with a shared theme, such as Women and Society or Science and Society, which allows for a contextual overview of how women or science has changed over time and how this has been reflected in literature. Examples of texts you may study include 'The Handmaid's Tale', 'Never Let Me Go', 'Tess of the D'Urbervilles' and 'A Thousand Splendid Suns'.

Poetry – you will study Poems of the Decade – a book of 21st century poetry. In the exam, this will be compared with an unseen poem.

The last examined component is the study of a particular poet or poetry movement, such as Christina Rossetti, The Romantics or Modernists.

Finally, 20% of the grade is from coursework. For this, you choose a focal point and two related texts. There is scope here to be independent and undertake research, which is an essential skill for university. You will also choose a drama or poetry text, if you wish. Examples of texts which students have compared are:

- 'Americanah' and 'Things Fall Apart', with a focus on the presentation of Nigerian culture.
- 'Jane Eyre' and 'The Wide Sargasso Sea', with a focus on female 'otherness'.
- 'Atonement' and 'The History Boys', with a focus on the coming-of-age.

■ How is the course assessed?

The drama examination is 2 hours 15 and is worth 30%. The prose examination is 1 hour and is worth 20%. The poetry examination is 2 hours 15 and is worth 30%. The coursework is worth 20%.

■ What skills will I need and develop in this course?

You will need effective communication skills and be willing to read all the course material and critical materials and to undertake independent research and reading, to broaden your knowledge and understanding. By the end of the A Level, you will have developed an impressive collection of transferable skills including critical and comparative analysis skills, detailed understanding of contextual factors and different genres and the ability to empathise, communicate and express yourself at a high level.

■ Subject combination advice:

Literature is a very flexible A Level and combines well with many other subjects including sociology, history, theology, languages, and drama. However, it would also be a positive third option for anyone studying sciences and hoping to study medicine, as it engenders excellent communication skills and empathy. Studying English literature and linguistics (English language) is allowed, even encouraged, for students who have a love of language and analysis, as well as anyone studying history or drama.

■ What can the course lead to in terms of higher education and future careers?

Progression from English literature to a degree in any academic subject is a possibility. English literature is a highly regarded A Level because it develops analytical and evaluative skills.

■ What are the formal entry requirements?

GCSEs in English language and English literature at Grade 6 is a minimum.

■ What activities enrich this subject?

Reading widely and an enjoyment of reading literature is key. Going to plays and talks to enrich knowledge is beneficial, as are interests in historical context and creative writing.

Food Science & Nutrition

Examination Board: WJEC

NB: this is a Level 3 Diploma Qualification



■ What is the course about?

This Level 3 Applied Diploma in food science and nutrition is an Applied General Qualification designed primarily to support learners progressing to university. It has been designed to offer exciting, interesting experiences that focus learning through the acquisition of knowledge and understanding in purposeful, work-related contexts, linked to the food production industry.

■ For the Level 3 Diploma you will study:

The first mandatory unit will enable you to demonstrate an understanding of the science of food safety, nutrition and nutritional needs in a wide range of contexts, and through ongoing practical sessions, to gain practical skills to produce quality food items to meet the needs of individuals.

The second mandatory unit will allow you to develop your understanding of the science of food safety and hygiene – essential knowledge for anyone involved in food production in the home or wishing to work in the food industry. Again practical sessions will support the gaining of theoretical knowledge and ensure learning is a tactile experience.

Studying one of the two optional units will allow you the opportunity to study subjects of particular interest or relevance to you, building on previous learning and experiences.

■ How is the course assessed?

The WJEC Level 3 Diploma in food science and nutrition is assessed using a combination of internal and external assessment, according to the framework shown below.

■ What skills will I need and develop in this course?

You will gain the required knowledge to be able to use the qualification to support entry to higher education courses such as:

- BSc Food & Nutrition
- BSc Human Nutrition
- BSc (Hons) Public Health Nutrition
- BSc (Hons) Food Science & Technology

■ Subject combination advice:

Subjects which compliment this course very effectively include biology, chemistry, sociology, maths and PE.

■ What can the course lead to in terms of higher education and future careers?

As this course is very broad it covers many different careers paths which include: nutrition, dietetics, food science, sport science, product development, marketing, food and consumer Studies, environmental health, hospitality and catering, leisure and tourism, social work, health and social care disciplines, nursing, teaching and many more.

■ What are the formal requirements?

Students who have not studied a food-related course at GCSE will be considered for this course.

■ What activities enrich this subject?

An appreciation of food and an enjoyment of cooking alongside a curiosity about different food preparation techniques will be very beneficial.

Unit 1	Meeting nutritional needs of specific groups	Mandatory	Internal and external assessment
Unit 2	Ensuring food is safe to eat	Mandatory	External assessment
Unit 3	Experimenting to solve food production problems	Optional	Internal assessment
Unit 4	Current issues in food science and nutrition	Optional	Internal assessment

Geography



Examination Board: Edexcel

■ What is the course about?

Geography is a dynamic discipline which seeks to explain how aspects of the natural world interact with human activities. This raises questions about how the physical environment affects us and how we impact on the physical phenomena. In particular it investigates how sustainable this relationship is and helps students to consider and evaluate alternative ways forward.

■ The A Level topics include:

- Tectonic Processes and Hazards
- Coastal Landscapes and Change; includes a fieldwork element
- Regenerating Places; includes a fieldwork element
- Globalisation
- Water and Carbon Cycles
- Superpowers
- Health and Human Rights

Year 12 content is based on the first four topics listed and includes two days of fieldwork during a residential trip usually to Slapton Ley, Devon.

Year 13 students must complete an additional two days. These are in the form of a day trip collecting coastal data and another day trip studying regeneration in a local urban area.

■ How is the course assessed?

There are three written papers worth 80% and an independent investigation worth 20%.

■ What skills will I need and develop in this course?

You need to have good literacy, numeracy and thinking skills to study geography at A level. You will develop your fieldwork and research skills in human and physical contexts, including qualitative and quantitative data usage. You will need to have an open mind, an ability to understand other people's perspectives, as well as your own and a readiness to debate controversial issues. You will need to be comfortable with the use and application of geographical information systems (GIS), interpretation of previously unseen data such as maps, graphs and charts, and be able to describe, explain and evaluate patterns and processes.

■ Subject combination advice

Geography is a flexible subject combining a very strong academic tradition with contemporary relevance.

It complements many other subjects including sciences, mathematics, and other humanities (such as English, economics, history, psychology and sociology). You can also combine with arts subjects.

■ What can the course lead to in terms of higher education and future careers?

Studying geography at A Level will equip you with a mix of skills university departments and employers want to see. Students achieving A Level geography have access to a wide range of possible career and higher-education opportunities. Geography is chosen by more than 16,000 undergraduates each year and it has one of the highest rates of graduate employability. It is greatly valued by employers for its combination of subject knowledge, linking science with humanities.

Geographers develop a wide range of transferable skills such as communication, data handling, digital mapping, graphical skills, teamwork, research and development. They learn how to work synoptically by developing links at a range of scales from local to global.

Geographers can pursue a wide range of diverse careers including: agriculture, architecture, cartography, civil engineering, climatology, conservation, education, energy industry, ecosystem management, environmental planning, financial management, geographical information systems (GIS) including digital mapping, geology, geophysics; government (local, national and international), hazard management, hydrology, insurance, journalism, land management, landscape architecture, law, leisure and recreation management, market analyst, media, meteorology, NGOs such as development agencies, political advisor, rural and urban planning, surveying, telecommunications, tourism management, transport planning.

Of course, you may not yet have a clear idea of what kind of career you might want to pursue. If you are in this position, remember that geography as an A Level gives you the chance to keep your options open as it covers both arts and science components.

■ What are the formal entry requirements?

GCSEs in a wide range of subjects including geography, English, mathematics and science at Grade 6 or above. Students who have not studied geography at GCSE may be considered.

■ What activities enrich this subject?

Membership of the Geographical Association and Royal Geographical Society. Fieldwork opportunities. Attendance at lectures and conferences. Involvement in supporting the learning of younger geographers. Visiting speakers who have applied geographical skills in a variety of careers. Reading around the subject in newspapers, magazine and internet articles. TV and radio documentaries are also a rich source of current issues.

History



Examination Board: AQA

■ What is the course about?

History A level is designed to build on the knowledge and skills acquired at GCSE. It offers a diverse blend of both modern and Tudor history, whilst focusing on how governments maintain control. Throughout the course, you will encounter a wide range of interesting and influential characters who have helped shape the modern world such as Henry VIII, Elizabeth I, Martin Luther King and Adolf Hitler.

■ In Year 12 you will study:

Component 1

The Tudors: England 1485-1547

Component 2

Democracy and Nazism, 1918-1933

■ In Year 13 you will study:

Component 1

The Tudors: England 1547-1603

Component 2

Democracy and Nazism, 1933-1945

Component 3

Historical Investigation – American Civil Rights 1865-1968

■ How is the course assessed?

At the end of Year 13, you will be assessed by a combination of public examinations and coursework. There will be two public examinations. Each examination will be 2 hours and 30 minutes. One paper will be on Democracy and Nazism, 1918-1933 and the other paper will be on The Tudors: England 1485-1547. Each paper is worth 40% of the A-Level. The coursework is worth 20% of the A-Level and is on American Civil Rights 1865-1968.

■ What skills will I need and develop in this course?

At A level, you will be taught to develop a range of skills which will help you in university studies and future careers. You will be encouraged to become independent learners through preparing presentations, role plays and course notes using the wide range of books available in the School Library. Debate is an integral part of the course and you will learn to present clear, concise and well-supported arguments. Through the continued study of historical sources, you will develop your powers of analysis and interpretation.

■ Subject combination advice

History and English has long been seen as a traditional combination as both subjects focus on literacy skills. In recent years, there has been a growing number of science students choosing history in order to add breadth to their studies.

■ What can the course lead to in terms of higher education and future careers?

The skills required on this course will help prepare you for careers in law, journalism, politics and business management.

■ What are the formal entry requirements?

History GCSE, Grade 6 or above, but candidates who have not studied history to this level will be eligible to join the course provided they have a Grade 7, 8 or 9 in English language at GCSE.

■ What activities enrich this subject?

A Level students benefit from attending lectures delivered by leading historians, going on trips to places of historical interest, joining the school's History Society, and by conducting wider reading and thorough independent research.

Latin



Examination Board: OCR

■ What is the course about?

A level Latin allows you to develop your understanding of the Latin language and the related ancient literature, values and society. It will introduce you to a wide range of vocabulary, accidence and syntax. A level Latin involves an in-depth study of Latin prose and verse.

■ In Year 12 you will study:

The OCR A Level in Latin will extend the study of ancient literature in breadth and depth, further developing your ability to critically analyse and evaluate ancient literature. You will study one prose set text and one verse set text.

You will be required to understand and appreciate the literary context for the set texts by reading an appropriate supporting selection of ancient literature in translation.

The set texts change every two years.

■ In Year 13 you will:

- Translate a passage of unseen narrative prose into English.
- Translate a passage of unseen verse into English.
- Scan two lines of verse.

■ How is the course assessed?

At the end of Year 13, you will be assessed through the following written examinations:

- Unseen translation 1 hr 45 mins
- Prose Comprehension 1hr 15 mins
- Prose Literature 2 hrs
- Verse Literature 2 hrs

For the Prose Literature, the set text is:
Cicero, pro Roscio Amerino

For the Verse Literature:
Virgil, Aeneid Book 4

■ What skills will I need and develop in this course?

Learners will develop their understanding of the Latin language and the related ancient literature, values and society.

■ Subject combination advice

Latin is best taken with classical civilisation but complements most arts-based subjects, English, history and mathematics.

■ What can the course lead to in terms of higher education and future careers?

While a career in academia is certainly high up on the list of job options, classics graduates have been known to go into law, medicine, education, science, business, journalism, heritage and the diplomatic service.

■ What are the formal entry requirements?

The specification builds on the knowledge, understanding and skills specified for GCSE (9–1) Latin. A minimum of a Grade 7 in Latin GCSE is required.

■ What activities enrich this subject?

There is an abundance of classical associations in Surrey; these offer talks and lectures from university professors on the set texts and on topics of a more general interest to classics students. Trips to university classics departments and London museums.

Mathematics



Examination Board: Edexcel

■ What is the course about?

In mathematics A Level, you will extend your mathematical knowledge and skills and learn about new areas of mathematics such as calculus.

■ For the A Level you will study:

- Pure mathematics (proof, algebra, functions, coordinate geometry, sequences, series, trigonometry, exponentials, logarithms, differentiation, integration, vectors and numerical methods).
- Mechanics (measures, kinematics, forces, Newton's laws and moments).
- Statistics (sampling, representing data, interpreting data, probability, distributions and hypothesis testing).

■ How is the course assessed?

This course is assessed by examination only, which take place at the end of Year 13.

- Paper 1: Pure Mathematics
- Paper 2: Pure Mathematics
- Paper 3: Statistics & Mechanics
- 2 hours long each
- 100 marks each paper Total: 300 marks

These fields often require strong mathematical foundations:

- Engineer (civil, mechanical, electrical, etc.)
- Data Scientist/Analyst
- Computer Scientist/Software Developer
- Mathematician/Statistician
- Actuary (risk analysis in finance and insurance)
- Physicist/Research Scientist

Finance & Business

Maths is essential for roles involving data, forecasting, and decision-making:

- Investment Banker
- Accountant
- Financial Analyst
- Economist
- Operations Research Analyst
- Quantitative Analyst (Quant)

Education & Academia

If you enjoy teaching or research:

- Maths Teacher/Lecturer
- Educational Consultant
- Academic Researcher

Maths is surprisingly useful in many other areas:

- Architect (geometry, spatial reasoning)
- Game Developer (physics engines, algorithms)
- Cryptographer (cybersecurity, encryption)
- Meteorologist (weather modelling)
- Pharmacologist / Biostatistician (medical research)

■ What skills will I need and develop in this course?

You will need to be confident in all the algebraic processing skills and trigonometry you have been taught at GCSE. The ability to solve problems is also essential. These skills will be developed further throughout the A Level course.

■ Subject combination advice

Mathematics is a good subject to study alongside any A Level subject. If you are considering studying mathematics or a mathematics-related degree at University, it is essential and you should also study further mathematics at A Level. Many students choose mathematics to support science subjects or economics and finance.

■ What can the course lead to in terms of higher education and future careers?

Many degree subjects and careers desire A Level mathematics. The main subjects which would require A Level mathematics include mathematics, statistics, physics, astronomy, engineering, computer science, and economics. Also, medicine, architecture, laboratory and social sciences will have a certain amount of mathematical or statistical content.

■ What are the formal entry requirements?

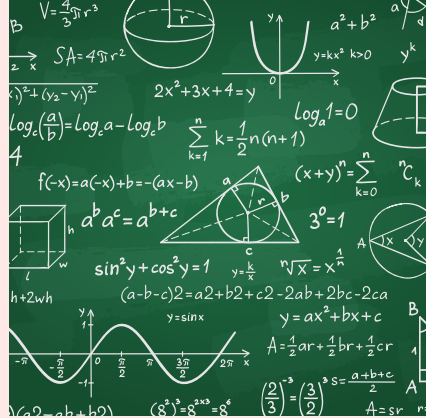
GCSE mathematics Grade 7 or above.

■ What activities enrich this subject?

The UK Senior Mathematics Challenge, Mathematical Olympiad for Girls and the Team Challenge organised by United Kingdom Mathematical Trust provide opportunities to extend your thinking skills beyond the confines of the curriculum.

Further Mathematics

Examination Board: Edexcel



■ What is the course about?

Further mathematics A Level may be taken in addition to mathematics A Level. Further mathematics is an extension of the regular A Level course and will provide you with a challenge and the opportunity to explore new and more sophisticated mathematical concepts.

■ For the A Level you will study:

- Core pure mathematics (complex numbers, matrices, further algebra, further functions, proof, further calculus, further vectors, polar coordinates, hyperbolic functions and differential equations).
- Applied mathematics (decision mathematics and further mechanics).

■ How is the course assessed?

Further mathematics is assessed by examination only at the end of Year 13. There are four examinations, two in core pure maths, one in further mechanics and one in decision mathematics. Each examination is 1 hour 30 minutes long.

■ What skills will I need and develop in this course?

You will need to be very confident in all the algebraic processing skills and trigonometry you have been taught at GCSE. The ability to persevere with challenging problems and work independently is essential.

■ Subject combination advice

Further mathematics is a good subject to study if you are considering studying mathematics or a mathematically related subject for degree at university.

For many courses, particularly for those at Russell Group universities or Oxbridge, it is essential.

■ What can the course lead to in terms of higher education and future careers?

If you are planning to take a mathematics-rich degree such as mathematics itself, engineering, sciences, computing, finance/economics, you will benefit enormously from taking further mathematics at least to the end of Year 12.

If you are not planning to study for a mathematics-rich degree but are keen on mathematics, you will find further mathematics a very enjoyable course; having a further mathematics qualification identifies students as having excellent analytical skills, whatever area they plan to study or work within.

■ What are the formal entry requirements?

GCSE Mathematics Grade 8/9.

■ What activities enrich this subject?

The UK Senior Mathematics Challenge, Mathematical Olympiad for Girls and the Team Challenge organised by United Kingdom Mathematical Trust provide opportunities to extend your thinking skills beyond the confines of the curriculum.

Modern Foreign Languages

Examination Board: AQA



French

■ What is the course about?

Choosing French at A Level offers you an exciting range of career possibilities. The course builds upon existing GCSE knowledge and focuses on improving communication in French through different means, as well as helping you to use it practically in a variety of situations.

All four skills (listening, reading, speaking, and writing) are extended in contemporary and exciting topic areas including a film and a book. The department is fortunate to have a French assistant on the teaching staff, and each student of French is afforded an individual lesson with the assistant each week.

■ What you will study?

All four skills are extended in contemporary and exciting topic areas:

Year 1

The changing nature of family (**La famille en voie de changement**)

The 'cyber-society' (**La « cyber-société »**)

The place of voluntary work (**Le rôle du bénévolat**)

A culture proud of its heritage (**Une culture fière de son patrimoine**)

Contemporary francophone music

(**La musique francophone contemporaine**)

Cinema: the 7th art form (**Cinéma : le septième art**)

Year 2

Positive features of a diverse society (**Les aspects positifs d'une société diverse**)

Life for the marginalised (**Quelle vie pour les marginalisés ?**)

How criminals are treated (**Comment on traite les criminels**)

Teenagers, the right to vote and political commitment (**Les ados, le droit de vote et l'engagement politique**)

Demonstrations, strikes – who holds the power? (**manifestations, grèves – à qui le pouvoir ?**)

Politics and immigration (**La politique et l'immigration**)

- **Literary texts and films.**

■ How is the course assessed?

Paper 1

Listening, reading and writing (translation):
2 hours 30 minutes (50% of A Level).

Paper 2

Writing (based on one text and one film, or two texts):

2 hours (20% of A Level).

Paper 3

Speaking (discussion based on a stimulus card and a presentation/discussion based

on an individual research project):
21-23 minutes (30% of A Level).

■ What skills will I need and develop in this course?

An excellent communicator, you will have an interest in external topical events and an awareness in how MFL can be used in our society. A readiness to discuss and debate using the techniques that you will be taught are essential for this course.

■ What can the course lead to in terms of higher education and future careers?

- Language and European studies courses at university.
- Combined language degree courses (e.g. French with law, banking, business, science, chemistry, physics, engineering).
- Modules in French are possible alongside almost any university subjects.
- Employers highly value high-level language skills in fields like insurance, law, travel, publishing, journalism, television, and business.

■ What are the formal entry requirements?

A GCSE at Grade 7 or above in the relevant language is essential.

■ What activities enrich this subject?

You should have a lively interest in France and current events (e.g. watching the news and reading French newspapers regularly). You will be encouraged to spend time in a French speaking country and have the opportunity to apply for work experience abroad and attend and attend a conference hosted by Reading University as well as a speed-debate in French with other local schools.

At ND6, we are proud to offer a rich and engaging French programme that extends well beyond the classroom. Our French students lead by example, showing initiative, enthusiasm, and a strong commitment to both language learning and the wider school community. They contribute regularly to the French Corner in the Friday mailing with articles, reflections, and cultural insights.

Students also take part in academic enrichment activities, including collaborative visits to other schools to enhance exam-specific skills. Within School, they actively support the French Speaker Club alongside our Language Assistant, and participate in peer role-play sessions in the Innovation Space, making language learning dynamic and interactive.

Modern Foreign Languages

Examination Board: AQA



Spanish

■ What is the course about?

Choosing Spanish at A Level offers you an exciting range of career possibilities. “Not just a language – a global passport”

The course builds upon existing GCSE knowledge and focuses on improving communication in Spanish through different means, as well as helping you to use it practically in a variety of situations.

All four skills (listening, reading, speaking, and writing) are extended in contemporary and exciting topic areas. The department is fortunate to have native speakers and assistants on the teaching staff, and each student of Spanish is afforded an individual lesson with the assistant each week.

■ What will you study?

All four skills are extended in contemporary and exciting topic areas:

- **Social issues and trends:** the changing nature of family, the ‘cyber-society’, the place of voluntary work, positive features of a diverse society, life for the marginalised, how criminals are treated, women in the world of work.
- **Political and artistic culture:** a culture proud of its heritage, contemporary music, cinema: the seventh art form, teenagers, the right to vote and political commitment, demonstrations, strikes – who holds the power, politics and immigration, fashion, festivals and art.
- **Literary texts and films.**

■ How is the course assessed?

Paper 1 Listening, reading and writing (translation): 2 hours 30 minutes (50% of A Level).

Paper 2

Writing (based on one text and one film): 2 hours (20% of A Level).

Paper 3

Speaking (discussion based on a stimulus card and a presentation/discussion based on an individual research project):

21-23 minutes (30% of A Level).

■ What skills will I need and develop in this course?

An excellent communicator, you will have an interest in external topical events and an awareness in how Spanish can be used in our society. A readiness to discuss and debate using the techniques that you will be taught will be essential for this course.

■ What can the course lead to in terms of higher education and future careers?

- **Spanish degree:** Study Spanish on its own or combined with other languages or subjects (e.g., Business, History, Politics, or English). Includes time abroad in Spanish-speaking countries.
- **International Relations or European Studies:** Valuable in degrees focused on global affairs, diplomacy, and development.
- **Linguistics or Translation Studies:** Spanish A-Level provides a strong foundation for further study in language structure and professional translation or interpreting.
- **Combined Degrees:** Spanish can be combined with law, economics, tourism, or marketing at many universities, broadening your academic and career prospects.
- **Career Pathways:** Translation & interpreting, international business or marketing, diplomacy or international development, tourism & hospitality, teaching, media, journalism, & publishing, law or legal services

■ What are the formal entry requirements?

A GCSE at Grade 7 or above in the relevant language is essential.

■ What activities enrich this subject?

You will be encouraged to take an active interest in the Spanish-speaking world, including current affairs. You will be offered opportunities to travel abroad, apply for work experience in Spanish-speaking countries, and take part in school trips and enrichment activities.

This year, for the first time, A-Level Spanish students are joining the Year 9 and 10 residential trip to Spain. This exciting development benefits everyone involved. Younger students gain inspiration from seeing passionate, committed language learners, while A-Level students can practise leadership and use their Spanish in real-life situations. The trip fosters cross-year connections and strengthens the sense of community within the Spanish department.

Back at school, A-Level students are active members of the Spanish learning environment. They regularly assist with Prep School Spanish lessons and depending on their availability, support Year 7 classes and the KS3 Spanish Club under departmental supervision. These roles offer valuable peer support—benefitting younger students through encouragement and example, while allowing older students to reinforce their own knowledge and leadership skills.

Each week, A-Level students contribute to the Spanish Corner in the Friday mailing, sharing news, opinions, and personal reflections on the Spanish-speaking world. In recognition of their enthusiasm and commitment, all are awarded the **Spanish Leader Badge**.

Music



Examination Board: Edexcel and Eduqas

■ What is the course about?

The course caters for a wide range of musical interests and musical styles. It involves performing and composing as well as development through listening and analysis.

■ For the two-year linear course you will study:

- **Component 1: Performing**
Total performance time of eight minutes. Performance can be solo and/or ensemble.
- **Component 2: Composing**
Two compositions: one free choice and one brief assessing technique. Together these total a minimum of six minutes.
- **Component 3: Appraising**
Six areas of study with three main set works in each. Areas of study include film music, popular music and jazz, instrumental music, vocal music, new directions and fusions.

■ How is the course assessed?

- The three key elements of performing, composing and appraising from GCSE are retained for A Level. Performing is worth 30% at A Level. You will perform for a minimum of eight minutes, in front of a live audience comprised of two or more people.
- Composing is worth 30% at A Level. You will compose two pieces: One must be in response to a brief set by the board which is aimed at assessing technique. You will harmonise a Bach chorale for this component. The other piece is a free composition in any style and work will begin in the first year of study.
- Appraising is worth 40% and content has been given in terms of musical elements, contexts and language. This is assessed through a written exam at the end of the two years, including listening tests, dictation and two essays.

■ What skills will I need and develop in this course?

The base standard for performance is ABRSM Grade 7/8 at A Level, though it is possible to start the course on Grade 6; you will need to discuss this with your teacher. Performance skills developed include technical proficiency, musicality and a sensitivity to and awareness of the music's style.

The style of composition allowed covers the full spectrum from classical to the latest pop and you will explore melodic, harmonic, structural and stylistic features of the chosen style.

Musical understanding develops both the ability to recognise melodic, rhythmic and harmonic details and also to identify how such patterns work with instrumentation and other elements to create a coherent musical structure. Hence the skill to read music is integral, as is good knowledge of music theory, such as scales and chords up to four sharps and flats.

Grade 5 theory is a requirement for this course. If you have not yet completed Grade 5 theory, it can be completed in the summer, though it is a pre-requisite for Grade 6+ ABRSM so you will already have this certification.

■ Subject combination advice

If you know you want to study this subject at university then you should study A Level music. Music works well alongside other subjects as it has transferable skills such as critical analysis, identifying patterns, the ability to think and understand in patterns, planning ahead, collaborative and independent work and executive function. Music is a desirable A Level for many career paths and complements all other subjects well.

■ What can the course lead to in terms of higher education and future careers?

A level music provides an excellent basis for lifelong learning and for higher education courses in music; many students who take A Level music continue their studies at university. The three units of the course can lead to studies in performance, composition, musicology, ethnomusicology, sound engineering, conducting, popular music and jazz, band management, and music education. Due to the discipline required in the mastery of a musical piece for performance, the control and command of oneself required to stand in front of an audience to perform and the ability to work positively within a group in ensemble preparation and performance, musicians are highly respected for their work ethic and maturity as well as their ability to communicate with others.

■ What are the formal entry requirements?

It is not necessary to have studied GCSE music in order to successfully complete the A Level music course but this would be assessed on an individual basis. Advice from the Head of Music regarding your performance and theory skills is advisable.

■ What activities enrich this subject?

Involvement in School and out of School music activities and ensembles or bands. Entering local music competitions. Regular attendance at concerts and other live music events. Regular weekly (if not daily) listening to the wide range of music available on the radio and internet.

Philosophy, Religion and Ethics (PRE)

Examination Board: AQA



■ What is the course about?

There are three main strands of study in this subject: philosophy of religion, religious ethics, and a social and historical study of religion.

■ For the Year 12 course you will study:

Year 1 – Philosophy of Religion

- The Design Argument • The Causation/ Cosmological Argument • Ontological Argument • Religious Experience • Problem of Evil and Suffering.

Year 1 – Ethics

- Embryo Research: Designer Babies • Abortion and Euthanasia • Animal Ethics/ Cloning/Medical • Blood Sports • Virtue Ethics • Natural Law • Situation Ethics • Theft and Lying • Capital Punishment.

Year 1 – Religion

- God, Bible, Church and Jesus • Self, Death and Afterlife
- Expressions of Religious Identity: Music and Art • Good Moral Conduct, Sanctity of Life and the Environment.

■ For the Year 13 course you will study:

Year 2 – Philosophy of Religion

Self, Death and the Afterlife • Reincarnation and Rebirth • Religious Language • Language Games • Miracles.

Year 2 – Ethics

Free Will and Responsibility • Conscience • Meta Ethics • Utilitarianism • Divine Command Theory • Intuitionism.

Year 2 – Religion

- Christianity, Gender and Sexuality: Women, Celibacy, Marriage, Homosexuality and Transgenderism
- Christianity and Science • Christianity and the Challenges of the Modern World • Christianity, Migration and Religious Pluralism.

■ How is the course assessed?

At the end of Year 13, you will be externally assessed by sitting two exam papers. Each paper is three hours long. Paper 1 covers the units of work in Philosophy of Religion and Ethics; paper 2 covers the units of work in Christianity and Dialogues (making links between philosophy of religion, ethics and Christianity).

■ What skills will I need and develop in this course?

- Develops understanding and appreciation of religious thought and its contribution through an enquiring, critical and reflective approach to the study of religion. Provides a focus on scholarship.

- Helps develop a holistic understanding of religion with insightful evaluations of ultimate questions about the purposes and commitments of human life, especially as expressed in philosophy, ethics and religion.
- Develops transferable skills for progression to higher education – you will use ideas and research to present a wide range of well-informed and reasonable arguments.

■ Subject combination advice

Philosophy of religion and religious ethics combines well with most other courses. As an arts-based subject, it suits students who take subjects such as English and history. However, it also requires logical processing and complements the study of subjects such as mathematics. The course content covers many scientific topics, such as medical ethics and bioethics; it involves a philosophical analysis of the nature of scientific knowledge and an analysis of the relationship between scientific and religious world views. As such it is relevant to any science student interested in the wider implications of the scientific disciplines they study.

■ What can the course lead to in terms of higher education and future careers?

The significant critical thinking aspect to the course is a good preparation for university courses such as law and PPE (philosophy, politics and economics). This subject develops skills of vision, creativity and analysis, which employers look for in those seeking any management or leadership role. The applied ethical topics prepare students well for applications to courses and careers connected with medicine, politics, the environment and social care.

■ What are the formal entry requirements?

A minimum GCSE Grade 6 in theology. No previous knowledge is required, although some parts of the theology GCSE course (studied in Years 10 and 11) give a flavour of some philosophical and ethical issues covered in the A Level course. It is an essay-based subject where further reading is required and strongly encouraged.

■ What activities enrich this subject?

You will attend A level conferences and workshops. There are also a huge range of books in the library along with many podcasts to download including The Moral Maze, The Philosophers Arms and In Our Time.

Physical Education



Examination Board: OCR

■ What is the course about?

OCR A Level PE combines practical performance with the study of the scientific and socio-cultural factors that influence sport. The course is assessed through 70% written examinations and 30% non-examined assessment (NEA). You will study the physiological and psychological aspects of sport, as well as the role of physical activity in society. Alongside this, you will be assessed in one chosen activity, either as a performer or coach and complete an analysis and evaluation of performance task, which links theory to practice.

■ In Year 12 you will study:

Applied anatomy and exercise physiology, and applied movement analysis, sport psychology, skill acquisition, sport and society.

■ In Year 13 you will study:

Applied anatomy and exercise physiology, and applied movement analysis, sport psychology, skill acquisition, sport and society. Practical performance/coaching in one sport.

■ How is the course assessed?

Assessment in OCR A Level PE is split between exams and non-examined assessment (NEA):

- **70% exams (three written papers):**
Testing your knowledge of physiological, psychological and socio-cultural factors in sport.
- **15% practical performance:**
Assessed in one chosen activity, either as a performer or coach, with a visiting OCR moderator and supported by video evidence.
- **15% Performance Analysis (NEA):**
An oral assessment where you analyse and evaluate a performance (your own or someone else's), identifying strengths and areas for improvement.

■ What can the course lead to in terms of higher education and future careers?

Sports-related degree courses as well as almost any other subject. Many PE A Level students go on to study physical education, physiotherapy, sports psychology, occupational therapy, or sports science at university.

■ Subject combination advice

PE links especially well with Biology, as much of the course is science-based. It also complements subjects such as Chemistry, Physics, Geography, History and Business Studies, providing a strong foundation for further study in sport, health and related fields.

■ What are the entry requirements?

You will need at least a Grade 6 in GCSE PE. A Grade 6 in Biology is strongly recommended to support the scientific elements of the course, and a good grade in English is useful for the extended written responses. You must also be competing in at least one sport at a strong competitive level outside school, as this forms the basis of your practical assessment.

■ What activities enrich this subject?

To succeed in A Level PE, students should already have a strong knowledge of their chosen sport. Enrichment comes from regular participation in competitive sport, maintaining physical fitness, and keeping up to date with current issues in elite sport. Reading about elite performers, including autobiographies, also helps to deepen understanding and link theory to real sporting contexts.

Physics



Examination Board: AQA

■ What is the course about?

The course is designed to encourage students to progress smoothly from previous GCSE studies in Physics and develop an in-depth knowledge and understanding of the principles of physics. You will gain hands-on practical and data-analysis skills, as well as an appreciation of how science works and its relevance beyond the laboratory. The course develops links to other sciences and shows how the subject underpins important technologies.

■ In Year 12 you will study:

1. **Particles and Quantum Phenomena:** The course starts with the exciting topic of particle physics. You will learn about the classification of matter into hadrons (baryons, mesons) and leptons (particularly electrons, muons, neutrinos) and how the four fundamental forces hold the Universe together. Quark theory and quantum mechanics are also included, giving you an up-to-date knowledge and understanding of cutting-edge developments in particle physics.
2. **Waves:** You will study the properties of waves including polarization, reflection, refraction, diffraction and interference patterns – the applications of which are vast and far reaching in this modern information era.
3. **Mechanics:** This topic includes Newtonian mechanics so you will study velocity, acceleration, forces, momentum and energy. The P2 module from GCSE physics provides an excellent starting point to develop these concepts further, while turning moments and projectile motion are introduced as well.
4. **Materials:** The properties of materials section explores elasticity, ductility, the Young Modulus and the use of materials in the world around us.
5. **Electricity:** In this section, the circuit work at GCSE is developed further and includes series and parallel circuits, resistance, resistivity, Emf and internal resistance as well as alternating-current theory.

■ In Year 13 you will study:

6. **Further Mechanics and Thermal Physics:** The first section introduces circular and oscillatory motion. This is followed by the thermal properties of materials, concentrating on the properties and nature of gases in particular.
7. **Fields and their Consequences:** Gravitational, electric and magnetic fields are covered, together with basic electromagnetic induction. Gravitational fields are linked into the orbits of satellites while electric fields lead into capacitors. Magnetic fields is developed into the generation and transmission of alternating current.
8. **Nuclear Physics:** This section looks at the characteristics of the nucleus, the properties of unstable nuclei and how energy is obtained from the nucleus.

9. Options:

This final section offers an opportunity to study one of the following optional topics to gain deeper understanding and awareness of a particular branch of interest in physics:

- A) Astrophysics D) Turning Points in physics**
B) Medical physics E) Electronics
C) Engineering physics

■ How is the course assessed?

Three written papers, each two hours in length. **Paper 1 and Paper 2:** two hours each, 60 marks of short- and long-answer questions and 25 multiple choice questions on content.

Paper 3: two hours splits into two sections: **Section A (compulsory):** practical skills and data analysis

Section B: You will enter for medical physics (45 marks of short- and long-answer questions on practical experiments and data analysis, and 35 marks of short-and long-answer questions on optional topic).

■ What skills will I need and develop in this course?

Desirable skills are: an open and inquisitive approach to learning; problem solving and the confidence to take risks; IT skills; numerical skills, practical skills and an ability to express complex scientific ideas in straightforward ways. All these skills are encouraged and developed over the duration of the course.

■ Subject combination advice

We recommend maths A Level as this helps with the mechanics sections as well as the manipulation of equations. Candidates can, however, successfully study physics with a range of other subjects, e.g. chemistry, biology, psychology, geography, computer science, business studies.

■ What can the course lead to in terms of higher education and future careers?

Physics A Level develops a range of skills that are transferable to a number of careers. As well as learning about how the universe works, you will gain 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. Possible career paths include: scientific research, geophysics and the oil industry, energy and in particular renewable energy development, IT data analysis, programming, web design, banking and accountancy, medical physics, and radiology. It is excellent preparation for any career in engineering.

■ What are the formal entry requirements?

Physics GCSE Grade 7, combined science Grade 7 and GCSE maths Grade 7.

■ What activities enrich this subject?

Biannual physics trip to the Large Hadron Collider in CERN Geneva.

Psychology



Examination Board: AQA

■ What is the course about?

Psychology is the scientific study of the mind and human behaviour. It is a fascinating and challenging course that will delve into the complex relationship that exists between our mental processes and our behaviour. Psychology is a science with cutting-edge research that has many real-world applications to issues in everyday life, ranging from artificial intelligence to mental health treatments. You will learn the fundamentals of the subject and develop skills valued by higher education and employers, including critical analysis, independent thinking and research.

■ In Year 12 you will study:

- Social influence
- Memory
- Attachment
- Clinical Psychology and Mental Health
- Approaches
- Research methods AS

■ In Year 13 you will study:

- Biopsychology
- Research methods A Level
- Issues and debates
- Gender
- Schizophrenia
- Aggression

■ How is the course assessed?

The A Level psychology examination, at the end of Year 13, consists of three papers covering Units 1, 2 and 3. Each paper amounts to one third of the A Level qualification.

■ What skills will I need and develop in this course?

The emphasis is on applying knowledge and understanding, there by developing your transferable skills of analysis, evaluation and critical thinking.

The psychology course broadens your ability to:

- View the world around you from different perspectives.
- Plan and conduct scientific investigations.
- Analyse and interpret data.
- Hone your critical reasoning skills – evaluate, justify, discuss.
- Communicate your point of view fluently in structured essays.

■ Subject combination advice:

Psychology students often also study sociology, biology, business studies, economics, English and physical education. Otherwise all combinations work well.

■ What can the course lead to in terms of higher education and future careers?

Psychology can help your career either directly or indirectly. Studying psychology at university will give you the possibility to specialise in specific areas such as health, clinical, educational, research, occupational, counselling, neuropsychology, sport and exercise, and forensics. However, students who desire a career in a different field, such as in marketing or business, will find an understanding of psychology useful because of its broad scope of application.

■ What are the formal entry requirements?

GCSEs in English, mathematics and science at a minimum Grade 6.

■ What activities enrich this subject?

Students have the opportunity to attend subject-related lectures to reinforce their understanding of the topics covered.

Sociology



Examination Board: AQA

■ What is the course about?

Sociology has been referred to as the science of society and people. The role of the sociologist is to research possible reasons and solutions to many of the world's pressing questions and issues. The AQA course begins the essential training of looking at these social phenomena from a sociological approach. You will study inequalities in society and why they exist. You will look at why some people succeed in school whilst others fail.

The A Level will examine the role of religion in our communities and how it impacts people today. The last A Level topic will ask questions about crime and deviance, with particular interest as to why some people are criminal and others are not. All of these topics and questions will examine current research and help discuss potential solutions.

■ In Year 12 you will study:

Paper 1 – Education with Theory and Methods

Paper 2 – Topics in Sociology

The first year of A level sociology will be a preparation for the A level Paper 1 and half of Paper 2. You will study the sociology of education with research methods for Paper 1 and for Paper 2, the choice of topics will be 'The Family' and 'Households'. You will be given a range of textbooks, revision guides, lectures, conferences and notes to help you better understand and prepare for the core themes and perspectives in sociology. Both of the topics covered are engaging and present interesting and challenging debates; these include: Labelling Theory, diversity, equality and structures.

■ In Year 13 you will study:

Paper 1 – Education with Theory and Methods

Paper 2 – Topics in Sociology

Paper 3 – Crime and Deviance with Theory and Methods

Year 13 brings the addition of the sociology of belief systems, as well as the study of crime and deviance. You will be expected to know the most current arguments in these topics with application to sociological theory and methods.

■ How is the course assessed?

The course will follow the AQA specifications and mark schemes. You will be taught how to manage the different styles of questions and the assessment objectives required to meet their demands.

Sociology Paper 1 – 2 hr exam

Topics included:

- Education
- Methods in context
- Theory and methods

Sociology Paper 2 – 2 hr exam

Topics included:

- Family and Households
- Media

Sociology Paper 3 – 2 hr exam

Topics included:

- Crime and Deviance
- Theory and methods

Please note – this is an essay-based exam and includes essays ranging from 10 marks to 30 marks.

■ What skills will I need and develop in this course?

Any A Level course requires organisation, hard work and commitment. The sociology course will enhance your analytical skills as well as develop a curious mind. You will be able to question things that perhaps have been taken for granted in the past.

To be a successful sociologist, you need to have an open mind and be ready to learn about different perspectives and arguments.

■ Subject combination advice

Sociology is a literacy-based subject and complements the study of psychology, geography and business studies.

■ What can the course lead to in terms of higher education and future careers?

Sociology helps students develop analytical skills and encourages a critical examination of the world that surrounds us. Former students have gone on to study both sociology and criminology at university. The course helps prepare students for careers in human resources, public administration, the civil service, education and health care.

■ What are the formal entry requirements?

A minimum Grade 6 in English. You will have a genuine interest in people and the world around them.

■ What activities enrich this subject?

You will be expected to understand the most current arguments on sociology and the media, crime, and deviance, with application to sociological theory and methods.

Extended Project Qualification (EPQ)



Examination Board: AQA

■ What is the course about?

Extended Project Qualification (EPQ) is an A Level-standard standalone qualification designed to extend and develop your abilities beyond the A Level syllabus and prepare you for university or your future career.

The EPQ is worth half an A Level (28 UCAS points) and is recognised by universities and employers. Many universities make lower A Level offers to students undertaking an EPQ.

■ What you will study

The EPQ allows you to lead your own projects. You get to plan and carry out research on a topic that you have chosen and is not covered by your other qualifications. You can take inspiration from something touched on in class or something personal and unrelated to your studies. You can then use this research to produce a written report and, in the case of practical projects, an artefact or a production.

By taking responsibility for the choice, design and decision making of an individual project (or an individual role in a group project) you can:

- Become more critical, reflective and independent learners.
- Develop and apply decision-making and problem-solving skills.
- Increase your planning, research, analysis, synthesis, evaluation and presentation skills.
- Learn to apply technologies confidently.
- Demonstrate creativity, initiative and enterprise

The EPQ starts in September of Year 12, is completed before the summer and requires 120 hours of independent work and 30 hours of taught skills. You will have one lesson a week allocated to your EPQ on your timetable and will be expected to complete the rest in your own study periods.

■ How is the course assessed?

100% coursework. You will complete a production log/diary, 5,000-word dissertation and a presentation.

■ Benefits of an EPQ

- Research shows that students who complete an EPQ perform better in their A Levels.
- Increased motivation and self-discipline.
- Enables students to apply their new skills to other areas of study.

The Notre Dame Alumnae Network

When you join ND6, you gain access to the Notre Dame Alumnae Network – a dynamic and supportive community of former students who are committed to helping you succeed. Our alumnae bring a wealth of real-world experience from both higher education and a wide range of careers, offering valuable insight and guidance as you plan your future.

This support is delivered both online, through our popular Career Pathways Programme, and in person via specialist sessions focused on higher education choices and highly competitive career routes, including Medicine and Law.

We regularly welcome back inspiring former students such as Yana Sharma (top right), a previous Deputy Head Girl, who recently shared her journey from Degree Apprenticeship to Management Consultant at global technology firm Accenture. Now with a First-Class Honours BSc in Organisational Management and Leadership, Yana provided the students with invaluable advice on securing a degree apprenticeship and standing out in a competitive application process.

Our alumnae also play a central role in our Careers Fairs. At our most recent event – our largest to date, with over 40 exhibitors – more than 20 former students joined us to offer guidance across a diverse range of careers, including Acting, Business, Psychology, Product Design and Science.

You can read more about our talented alumnae on the following pages.



Meet Our Alumnae

Jenny Griffiths MBE

Computer Science graduate and software engineer Jenny Griffiths was just 27 when she was awarded an MBE for services to Digital Innovation after founding the world's first cross-platform visual search engine for the fashion industry. After building up her company, Snap Tech, Jenny joined global tech firm Oracle, where she's now Vice President of Artificial Intelligence Innovation. Along with other AI specialists, she was recently invited to No.10 Downing Street to hear about the Government's bid to make AI the centrepiece of its future plans. Jenny has won multiple awards for her work and has been named by Forbes Magazine as one of the 'Top 50 Women in Tech in the World.'



JENNY GRIFFITHS MBE
AI Specialist and Vice
President (AI), Oracle



EMMA APPLETON
Associate (Competition),
Freshfields

Emma Appleton

Emma is on a mission to protect the consumer in her role as Associate (Competition) with top 'Magic Circle' law firm Freshfields. Oxford law graduate Emma joined the firm on a training contract in 2019 and qualified in 2021. She now advises clients considering mergers and acquisitions on how they can satisfy competition laws and the requirements of the Government's Competition and Markets Authority.

Francesca Edwards

Not even the sky is the limit for Francesca, who qualified as a commercial airline pilot in 2020. As a First Officer on Easyjet's Airbus 320 fleet, Francesca now flies thousands of travellers all over Europe from her base in Milan. Her interest in flying took off at university, when she joined the RAF Reserves while studying for a BSc in Biomedical Sciences at King's College London. She followed that with a Masters in Human and Applied Physiology before spending three years training as a commercial pilot in New Zealand.



FRANCESCA EDWARDS
Commercial Airline
Pilot, Easyjet

| Patsy Ferran

‘Astonishing’, ‘sublime’ and ‘a national treasure in the making’ were just a few of the superlatives used by critics to describe Patsy’s tour de force as doomed Blanche DuBois in the recent revival of ‘A Streetcar Named Desire’, which earned five-star reviews, two sold-out West End runs and a four-week run on Broadway. Her performance earned her the 2023 Critics’ Circle ‘Best Actress’ Award, adding to the Olivier Award she won for ‘Summer and Smoke’ in 2019. Patsy, who graduated from RADA in 2014, will next appear alongside Channing Tatum in ‘Later the War’, a new film from Oscar winning screenwriter Charlie Kaufman.



PATSY FERRAN
Olivier Award-Winning
Actress



LAYLA SANJOORI
Cultural Strategist
and Semiotician,
Space Doctors

| Layla Sanjoori

A degree in Anthropology and Cultural Studies has led to a fascinating career for former Head Girl Layla Sanjoori, who now specialises in using the little-known science of Semiotics - the study of cultural changes – to ensure clients can keep their brands meaningful and relevant. Her company, Space Doctors helped reposition Mattel’s fashion doll ‘Barbie’ as a champion of female empowerment for young girls (a project which ultimately led to the hit movie in 2023). Layla’s latest project is using semiotics to help Legoland understand the future of girlhood and play so they can better tailor the experience girls enjoy at the attraction.

| Helena Roberts

Ceramicist and Royal College of Art Textiles graduate Helena Roberts is living the dream as a Junior Designer at classic modern pottery brand Emma Bridgewater. Working between the company’s Kings Cross studio and factory in Stoke-on-Trent, Helena uses her design skills to contribute to the brand’s iconic homewares range, which extends beyond mugs and plates to glass, tins, picnicware, stationery wallpaper and fabrics. It’s the perfect career for Helena, who graduated with a BA in Design Crafts at De Montfort University before going on to do a Masters in Textiles at the Royal College of Art.



HELENA ROBERTS
Junior Designer,
Emma Bridgewater

Elspeth Macdonald

With its tropical climate and beautiful beaches, Bermuda isn't a bad place to start your accountancy career – especially as the island is a global hub for the insurance and reinsurance industry. Elspeth moved there in 2021 as an Associate with PwC and, four years later, is now a Senior Accountant with American financial group Talcott Re. Based in the island's capital, Hamilton, Elspeth produces quarterly and annual financial statements and other deliverables for Talcott's Bermuda entities, including accounting for new insurance acquisitions.



ELSPETH MACDONALD
Senior Accountant,
Talcott Financial Group



VICTORIA JONES,
Chartered Surveyor,
Cushman & Wakefield

Victoria Jones

The City of London skyline is the perfect backdrop for Victoria Jones, who is building a flourishing career in the capital with leading global real estate firm Cushman & Wakefield. Now an Associate, Victoria – who also has a BSc in Project Management for Construction from University College London – supervises the day-to-day management, co-ordination and control of commercial property fit-out works. Victoria initially joined the firm from university as a Graduate Project Manager and was promoted to her current role in 2024.

Sophie Buck

A love of the ocean and urge to address climate change has led to a fulfilling career as a Coastal Scientist for alumna Sophie Buck.

Sophie, a graduate in Geology who also holds a Masters in Oceanography from the University of Southampton, is now building a career with Mott Macdonald, one of the biggest civil engineering companies in the world. As a member of their Ports, Coasts and Offshore team, her first role was developing Coastal Change Adaptation plans for the Orkney Island Council in Scotland.

It's a dream career for Sophie, who says her career's focus on physics, geology, geography and climate change is everything she enjoys rolled into one.



SOPHIE BUCK
Coastal Scientist
Mott Macdonald

ND6 at a Glance



Ranked in the top 10%

of national Sixth Form Centres for Value Added (pupil progress) at A-Level



Inclusive

Supportive Community

Space to grow

Extended Project Qualification

Continuous

Progress Tracking

Oxbridge Programme

Specialist Sixth Form Sports Programme



“A kind, calm and creative environment where girls are gently guided to become rounded young women, as well as reach their full potential academically.”

Good School Guide 2024



25
A Level
Subjects

**Young
Enterprise**



We are a
**Microsoft Elevate
Pathfinder School**
demonstrating our commitment
to using technology in thoughtful
and innovative ways to enhance
teaching and learning





Notre Dame School

Burwood House
Cobham, Surrey
KT11 1HA

tel: 01932 869993
email: admissions@notredame.co.uk
web: notredame.co.uk

facebook: @NotreDameSchoolCobham
youtube: [notredamecobham](https://www.youtube.com/notredamecobham)
instagram: [notredamecobham](https://www.instagram.com/notredamecobham)
linkedin: [Notre Dame Cobham](https://www.linkedin.com/company/notre-dame-cobham)



A Foundation of the Company of Mary Our Lady