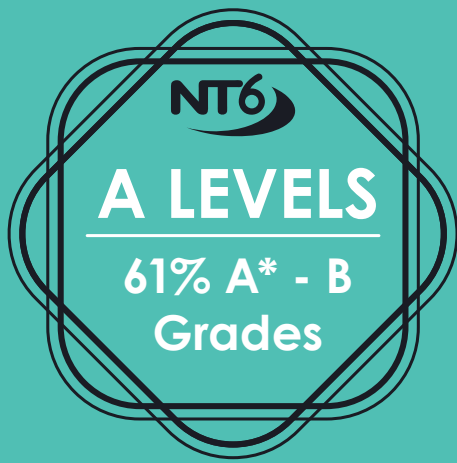




NEWQUAY TRETHERRAS SIXTH FORM



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STUDENT LEADERSHIP TEAM



Messages from our head students:

Head Student Georgia Mann

There's a place for everyone here at Tretherras. NT 6 provides students with a learning environment that allows students to flourish with varied curriculum, support, and extra opportunities to suit each and every need. The staff are always willing to support with your future interests and go above and beyond to squash any barriers to education. Whilst learning here I have received guidance and understanding which I have found incredibly helpful. I have seen my peers around me shaped into well rounded students and uncover passions and skill sets which will prepare them for what's to come in the future.

Head Student Nell Gray:

Tretherras is an all-rounder regarding the academic, pastoral, and recreational satisfaction of its students. In this way, at Tretherras we not only pride ourselves on academic prowess, but also implore a vast range of extracurricular activities to suit our diverse student body, whilst also providing a very well-established support system in terms of student well-being.



FROM THE DIRECTOR OF SIXTH FORM



Mr Andy Booth
Director of Sixth Form

Newquay Tretherras Sixth Form has always been a vibrant and friendly place. Students choose to study here because it gives them the best possible support and preparation for their future, within an environment they know and trust.

We provide outstanding teaching in the Sixth Form with an excellent track record of students achieving the highest grades. We offer a wide range of academic, vocational, sporting, and social opportunities for you to attain the qualifications you need to progress onto higher education, training or employment, and develop the personal attributes to be successful and confident in a fast-changing world.

I hope our environment will be purposeful, challenging, and enjoyable to you and support you in the decisions you will take today for your tomorrow.

If you have any questions about life in the Sixth Form, please come and visit the NT6 office, where you will always be made to feel very welcome.

Andy Booth
Director of Sixth Form



Sixth Form End of Year Dinner 2023

JUST LIKE SCHOOL?



Whilst the Sixth Form shares the same site as the main school there are some clear differences:

- no uniform;
- a more focused curriculum;
- smaller class sizes;
- a much closer relationship with staff;
- increased level of responsibility.

The Sixth Form plays a unique part in the life of the school as it combines higher level study with increased independence. Students are encouraged to challenge themselves, take advantage of fantastic new opportunities, develop new skills and learn to become leaders.

Our students help in lessons and extra-curricular activities, mentor pupils and assist in the main school reading programmes. Our Sports Leaders, Future Teachers and Medics are already honing the skills that are demanded by many professions.

Sixth Formers enjoy the benefits of the greater freedoms that exist in Post 16 education. Having more free time during the school day allows them to plan their own independent learning and work routines, whilst reaping the benefits of the outstanding support and excellent teaching standards we offer.

Our students enjoy a large, well-equipped café, a fifty-computer study room and a common room space which acts as the centre of Sixth Form life and is a popular place to relax and unwind.



GOOD REASONS TO JOIN NT6



NT6
A LEVELS
61% A* - B
Grades



NT6
VOCATIONAL
93% Distinction* -
Distinction

We have a track record in securing the best grades for our students (65% A*/B 7-year average).

We are above national average for students gaining places at Russell Group Universities (35%).

You will receive excellent care and guidance from a dedicated Sixth Form team.

You will have smaller class sizes compared to other establishments.

The staff know you and how you work best.

We will closely monitor your progress and when you need it, provide immediate help and guidance.

You will have a multitude of extra-curricular opportunities on offer to you.

There is financial support offered to students who live independently or live with parents with low household incomes.

Our Careers programme will support you in applying for university or your chosen career.



**WIDE RANGING
LEVEL 3
CURRICULUM**



STUDENT VOICE



**WHY GO
ANYWHERE
ELSE**



**35% of students
gaining places
at Russell Group
Universities
in 2023**





CONSTANTLY WITHIN THE TOP 10% OF SIXTH FORMS NATIONALLY

Our Sixth Form students enjoy a high level of support and guidance to allow them to achieve their potential. Most students join us from Year 11, and knowing the individual very well is vital to ensuring success. New students are buddied up to help their transition into Newquay Tretherras life and we work closely with their previous school to meet any specific needs.

Every student follows a personalised programme of study and receives a set of aspirational targets at the start of Year 12. Their progress is monitored closely throughout the year with progress being tested regularly. Support is given to any student who needs it, to help them succeed.

We have specialist Academic Learning Mentors who work with students needing extra help we hold two Parents' Evenings per year, allowing us to communicate progress regularly and address any concerns.

Outstanding Teaching and Learning is at the heart of our grades, which are well above national averages in many subjects. Classes are taught by experienced subject specialists, and we have an on-line learning platform that allows students access to a broad range of learning materials away from school.

Our experienced Tutor team work with students on a daily basis, initially helping them adjust to the rigours of Sixth Form life and supporting them to reach their academic potential, before leading them through preparation for life beyond school.

All students receive careers advice throughout Year 12 and 13. The university application process begins at the end of Year 12, with applications to Oxbridge, Dentistry and Medical schools being supported by the Aspire programmes.

All students are encouraged to undertake internships to support either Higher education or Apprenticeships.

A LEVEL

Linear qualification. A two-year course with all exams at the end of Year 13.

Entry Criteria: Please refer to each specific subject.

Each subject will have their own minimum requirement for entry.

LEVEL 3 Vocational Subjects

- Mainly coursework based and modular in nature, these courses are designed to develop student's skills as well as knowledge. 75% coursework and 25% exam assessed in both Year 12 and 13.

- Units add together to create the final grade over two years.

- A Level equivalent qualification carrying the same UCAS points as A Levels but are graded as Pass(E), Merit (C), Distinction (A) or Distinction* (A*).

Entry Guide: Students require level 4 grades and above to study these courses.

English and Maths GCSE Re-sit Classes (where necessary)

- It is compulsory for students who do not achieve grade 4 in either English Language or Maths to take re-sit classes in the Sixth Form.
- Students will receive four hours of tuition with specialist teachers, in each re-sit class per fortnight, and will re-sit the exam in either November or June.

Aspire programmes: Medics, Teachers, Oxbridge and the Extended Project Qualification (EPQ)

- These sit alongside A Level and Vocational subject and are extra, optional programmes that are designed to give students a broader experience of their subjects away from the exam curriculum.
- Valuable for university applications as it demonstrates a wider interest in chosen subjects.

Extra-Curriculum Opportunities

- These sit alongside A Level and Vocational subject and are extra, optional opportunities that are designed to give students a broader experience away from the exam curriculum.
- Opportunities include Duke of Edinburgh Gold Awards (both Liquid and Solid), Winter skills, EPQ, Work Experience, MOOCS (Online short courses run by universities) and volunteering opportunities.
- These are valuable for university applications and employment as it demonstrates wider interest and skills needed for the next step.
- Work placements and Careers support.

OPTION SUBJECTS



A LEVELS

- Art
- Biology
- Chemistry
- Computer Science
- Drama and Theatre Studies
- English Language
- English Literature
- Extended Project
- Film
- French
- Geography
- History
- Mathematics
- Mathematics (Further)
- Mathematics (Core)
- Media Studies
- Music
- Philosophy and Ethics
- Physics
- Physical Education
- Politics
- Psychology
- Photography
- Sociology
- Spanish

Level 3 Vocational Courses

- OCR Applied Business (Ext Cert. or Diploma)
- OCR Health and Social Care (Ext Cert. or Diploma or Ext. Diploma)
- BTEC Applied Science (Ext Cert. or Diploma or Ext. Diploma)
- OCR Sport Performance and Fitness Instructing (Ext. Diploma)

Any student who does not achieve a Level 4 grade in either Maths or English Language is required to continue studying those courses into the Sixth Form.



THE ASPIRE PROGRAMMES



INTRODUCTION

Our Aspire Programmes are designed to introduce our students to specific careers as part of their extra-curricular studies. The programmes are designed to develop interests in areas such as Medicine and Teaching to broaden student's knowledge and understanding of these vocations. We also deliver programmes that support applications to Oxford and Cambridge as well as STEM courses at all universities.

The aim of these programmes is to introduce students to new topics, away from the curriculum, for research, interest or discussion. Students will have the opportunity to visit businesses and universities as well as attend guest lectures as part of the programme. This can often lead to work experience in these areas which is essential for university applications.

Students can opt to take one or more of these programmes when applying for the Sixth Form.



**OVER 10 YEARS OF
SUCCESSFUL OXBRIDGE
AND MEDICAL
APPLICATIONS**



THE ASPIRE PROGRAMME



ASPIRE PROGRAMME

This programme introduces the opportunities and benefits of attending the top universities in the UK and beyond. Students will gain an insight into student life at universities like Oxford, Cambridge, and other top Russell Group Institutions.

The application process to Oxbridge is different to that of the other higher education institutions. The UCAS application deadline is earlier, there are additional entrance tests for various courses and a high percentage of students requiring interviews means that further support is required to increase chances of success.

Students with a high number of level 8 and 9 grades at GCSE are offered the chance to join the group. Their academic performance is monitored carefully throughout Year 12 to ensure they are supported to perform to the highest levels. Students are supported with university visits and are encouraged to study for an EPQ and apply for the Nuffield and Sutton Trust Summer Schools which provide outstanding opportunities to learn from the finest academic experts in their field.

In Year 13 students meet their tutor on a weekly basis to prepare for the interviews and admissions tests taking place in November and December.



Sam Millington, achieved six A grades at A Level during his time at Sixth Form. He is now studying Physics at Oxford University*

THE ASPIRE PROGRAMME



ASPIRE TEACHERS

As part of the wider opportunities offered within the Sixth Form, students can get a real experience of life from the other side of the desk. We have developed a partnership with Newquay Primary Academy and students are offered the opportunity to complete work experience throughout the year. Recent student experiences include teaching French and Spanish lessons, weekly volunteering, and our science students setting up bug hunts and pond dipping! For those more interested in becoming a secondary school teacher, we also offer opportunities for students to mentor younger students in year 7 and 8, as well as supporting their reading. Working with experienced teachers and younger pupils provides a very real experience of the profession; Future Teachers will learn how to lead groups, model tasks and enthuse young people in their learning. This style of teaching practice is recognised by all universities and colleges offering courses in teaching and can fulfil part of the entry requirements for Bachelor of Education degree courses.

The Aspire Teachers is a bespoke, flexible programme which is responsive to the needs and goals of each student.



“Once I finished Sixth Form I went to the University of Gloucestershire and studied Primary Education for three years. When I finished my degree, I returned home to Cornwall and got a job at a school in Bodmin teaching Year 4. The school had extremely high levels of SEND and pupil premium and was challenging at times particularly the behavioural side of things. But I passed my NQT year and stayed for another two years. I thrived in the school, felt like I was making a real difference to the children and learnt a huge amount about teaching and myself. I lead Geography across the school.

After three years at that school, I have decided I wanted a change. I decided to apply for international schools all over the world. I was asked to interview for a school in Malaysia and was offered the job. I am now working in a private international school in Penang Island, Malaysia where I lead English. It is a two-year contract which can be extended if I wish. It is quite the contrast to my previous school. I am still teaching Year 4.

My courses at NT6 and being part of the Aspire Teachers Programme definitely gave me the skills and confidence to thrive at university and for a career in teaching.”

THE ASPIRE PROGRAMMES



ASPIRE MEDICS

At NT6 we look to give students the right guidance and support in preparation for a successful career in Medicine, Veterinary Medicine, and Dentistry. There is a slightly different application process for these courses, including an earlier deadline in October and the need to be prepared for specific styles of interview.

Students interested in other careers within the health industry, including Nursing, Midwifery and Paramedic Science are also invited to get involved in this programme. Students are supported to develop their knowledge and understanding of the profession as well as achieve the A* and A grades expected of them. Students on the programme are offered the opportunity to speak with professionals, engage in workshops run by medical students on different medical issues, as well as being mentored by them in their studies. Work experience is a vital part of the application; we have links with Plymouth and Exeter Medical Schools, as well as the Duchy Hospital and the Royal Cornwall Hospital that provide opportunities for our students. Students will receive guidance on university subject requirements with the help of an academic mentor. Students are expected to undertake work experience over the two years and read widely about the medical issues and advances that are constantly being made.



**OVER 10 YEARS
OF SUCCESSFUL
OXBRIDGE
AND MEDICAL
APPLICATIONS**

We run a bespoke programme for our high achieving students to give them the level of preparation and confidence to apply for these elite institutions.



OUTDOOR LEARNING



Outdoor Learning programmes encourage meaningful experiences in an exciting and adventurous way within a framework of safety. Our programmes help you show others that you have the confidence and ability to take the lead.

These adventures will stay with you for life. Whether exploring the rugged Cornish coast, carrying out a river journey by canoe, scaling granite cliffs, trekking through the Lake District or even mountaineering on the snowy Scottish Cairngorm plateau. Involvement in these challenges will enrich your learning, build your confidence, and develop leadership skills.

The value you will gain from these programmes will set you apart from others and show your true character to prospective universities and employers. Providing you with clear examples of your tenacity, courage and community spirit, the qualities demonstrated have a high value in all walks of life. The uniformed services, civil service and businesses looking for leaders particularly look for candidates who can show this type of experience.

Outdoor Learning opportunities offered in the Sixth Form include: Outdoor Leadership Programme; DofE Gold with expeditions up on Dartmoor and the Lake District; Winter Mountaineering Skills; Summer Mountaineering Skills; V Inspired Volunteering Awards; Rock Climbing and Kayaking.

Newquay Tretherras believes strongly in encouraging students to take part in these adventurous activities, helping to develop the whole student. Providing opportunities that become a talking point and stand out feature for years to come. All activities are delivered within a comprehensive and robust safety framework. We are proud to hold an Adventurous Activities Licence Authority (AALA) licence, reflecting our high standards of safety.



"I never thought that I would be the kind of person to do Gold DofE having not done Bronze or Silver. However, when it was launched to us in Year 12, I thought that it was a good opportunity for a challenge and to try something new.

Now that I have done my Gold Expedition in the Lake District, I have learnt so many new skills and am part of the Outdoor Leadership team, helping and inspiring the younger students on their expeditions. I am thoroughly enjoying my time volunteering as an Outdoor Leader and this has inspired me to become a DofE Assessor and to continue volunteering when I leave Tretherras.

This time a year ago I wouldn't have thought Outdoor Learning would be part of my life, but now that it is, I can't imagine my life without it"

Keeley, Year 13 Student, Gold DofE Award & Outdoor Leader

Our Sixth Form students have the opportunity to participate, compete and excel in a wide range of physical activities. Wednesday afternoons are dedicated to sport and recreation where students have the opportunity to choose between competitive and recreational sport.

We run competitive squads for football and netball with training and fixtures taking place on Wednesday afternoons. We fixture against other Sixth Form colleges in Cornwall on a regular basis

For those students who would rather take part in recreational sport, there are plenty of opportunities: badminton, basketball, tennis, rounders, table tennis, dodgeball and the use of the school gym.

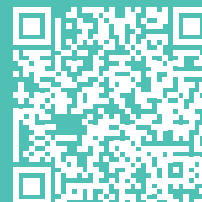


Students have the opportunity to choose between competitive sport, recreational sport, Elite Sport and Workout Wednesday.



A Level Art AQA

Find out more



LINEAR

Why Study Art

Here at Tretherras we offer a wide range of opportunities and experiences for students within art. We believe it is important to offer a range of processes and techniques for students to explore. These include traditional Drawing and Painting, Ceramics, Sculpture, Printmaking, Photography and Digital Art.

Under-pinning our courses and projects is the importance of introducing students to the multitude of influence out there in the world of art today: from historical to contemporary, local to global the world of art is changing and evolving, and we want our art department and our students' work to reflect that.

Art students at Tretherras are fortunate to have access to a vast range of facilities. We have 3 large traditional art rooms equipped with every resource under the sun. We have a professional standard PC suite and photography classroom running Adobe Creative Cloud Suite. We are equipped with a professional Photography studio as well as a darkroom for traditional film and wet based Photography. We have a specialist kiln and ceramics room to facilitate the Ceramics element to our curriculum.

We strongly believe in our role of developing independent and motivated creative thinkers ready to embark on their next steps to university or the world of work in the creative industries which is an important part of the economy in the Southwest.

About the course

A Level Art develops a student's skills, knowledge, and critical understanding of the World of Art. We offer a two-year linear A Level. During the first year there is no externally assessed coursework or exam. This year is for experimentation, skills development and exploring new ideas and ways of working. In the second year we study 2 components, the first a Personal Investigation which is the student's coursework and comprises 60% of their grade, the second is their EST or exam component comprising 40% of their grade.

Year 12

In the first part of Year 12 students will embark on a teacher led foundation course designed to challenge their skills and knowledge. This will be based around two projects, the first looking at "Environment" and the second "The Human Form". These themes are vehicles for students to learn how to explore a range of materials, processes, and concepts. They will work with everything from traditional drawing, painting, mixed media, to photography, printmaking, and

sculpture.

The second part of the year is given to the students to practice developing a sustained project they design themselves in preparation for their "Personal Investigation" in Year 13. This will help them with independent thinking and time management skills.

No work is externally assessed in Year 12.

Year 13

In Year 13 students start their "Personal Investigation". This is a piece of coursework that is designed by the students and comprises 60% of their grade. This is a sustained project that shows an in-depth study of an idea, concept, or theme of their choice, accompanied by a 3000-word essay that demonstrates their critical and analytical thinking of their own work as it evolves.

The second component is their EST or exam, comprising 40% of their grade. This is set by the exam board and is usually a choice of 7 questions which act as starting points to themes and ideas. The students choose one and work on preparatory work from February until the start of May when they then sit a 15-hour exam. All work from February and the 15-hour exam is assessed.

Assessment

Assessment is through the Personal Investigation component (coursework) 60% and the EST component (exam) 40% and takes place in Year 13. Work is assessed across 4 Assessment Objectives. See the NT website for details.

Entry criteria

Students are expected to have gained a grade 6 at GCSE Art or a very strong grade 5 with the endorsement of their GCSE teacher. Students who have not taken the subject at GCSE should present a portfolio for consideration.

Outside the classroom

We believe that it is important for an art student's education to take them to see artwork in the context of museums and galleries. Trips to London, St Ives, Plymouth, and Dartmoor are a regular part of our calendar. We also work with local artists on projects with students, which gives them the chance to visit and see artists working in their studios. Previous artists involved have been Peter- Randall Page and Susan Derges and Tony Plant.

A Level Biology OCR A

Find out more



LINEAR

Why study Biology?

Biology A Level is essential for studying biology-related degrees at university such as Biology, Zoology, Microbiology, Marine Biology, Ecology and Environmental Science. It is also highly recommended to pursue any health-related career such as medicine, dentistry, veterinary science or pharmacy. Universities and employers will be very impressed with a strong Biology A Level grade on a student's applications, and it opens a variety of other pathways including work with microscopy, biochemistry, animals and the environment.

About the course

The A Level Biology course will give you a rounded and in-depth knowledge of different organisms, the systems and cells that make them work, and how our modern understanding of Biology has influenced our lives. This course is an ideal choice for those who want to continue their study of biology after completing GCSE Triple or Combined Science.

Year 12

Module 1 Development of Practical Skills in Biology

All the practical skills covered in this unit will be assessed in the final exams. Students will complete several Practical Assessments throughout Year 12, which form a portfolio of practical work that can be used to revise the required practical skills.

Module 2 Foundations in Biology

The first year begins with the building blocks of living things: cells and the biological molecules from which they are made. This module provides the opportunity to use microscopes to study cell structure of a variety of organisms. Biological molecules are studied with respect to their structure and function. This module also considers the way in which the structure of cell membranes relates to the many essential roles' membranes play in living cells. The division and specialisation of cells is studied together with stem cells. The knowledge and understanding from this module is essential to the rest of the A Level Biology course.

Module 3 Exchange and Transport

In this module students learn about the systems that animals use to supply oxygen to, and remove carbon dioxide from, their bodies. Mammals, fish and insects are used as examples, and the significance of surface area to volume ratio is emphasised.

Module 4 Biodiversity, Evolution and Disease

The final module in the first year looks at the meaning, importance, threats to, and services provided by biodiversity on Earth. There is an emphasis on the practical techniques needed to study ecology, and what people are doing around the world to maintain biodiversity. Evolution is examined in greater depth, and students will learn more about variation between living things and the ways that biologists classify them. Diseases, and the pathogens that cause them, are examined in detail, as well as the ways that plants and animals deal with them.

Year 13

Module 5 Communication, Homeostasis and Energy Systems
Chemical and Electrical communication systems are covered in detail in this module. Communication between cells and organs is also fundamental to homeostasis, and the main examples studied here are the control of temperature, blood sugar and water potential. The processes of photosynthesis and respiration are essential to the maintenance of life on this planet, and the biochemical pathways involved in both are also studied in detail in this module.

Module 6 Genetics, Evolution and Ecosystem

The final module of the course covers the role of genes in regulating and controlling cell function and development. Students will learn about practical techniques used to manipulate DNA, and their uses in modern medicine. Students will learn about some of the many exciting applications of biotechnology and will gain an appreciation of the role of microorganisms in recycling materials within the environment and maintaining balance within ecosystems.

A Level Practical Endorsement

Throughout the first-year students will complete twelve Practical Assessment activities that demonstrate competence in a range of experimental methods. This will be teacher assessed and performance reported separately to the A Level grade.

Entry criteria

Students must have achieved a minimum of grade 6 in all Biology GCSE exam modules, and it would be preferable for students to have a grade 6 overall in science. Alongside 6s in Maths and English due to the high levels of literacy and numeracy required on the course.

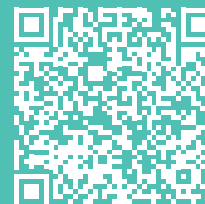
Outside the classroom

Additional support is available to students after school once a week. A member of staff will be available to help with any difficulties encountered during lessons. We aim to take Biology A Level student out of school to extend their understanding: in recent years students have visited Gyllyngvase Beach to study zonation on a rocky shore and to the Eden Project to learn about biodiversity and to investigate the polymerase chain reaction. Students will also have the opportunity to take part in further enrichment activities such as trips to the medical schools at Plymouth and Exeter and will be encouraged to take part in the Intermediate and Advanced Biology Olympiads.



A Level Chemistry OCR A

Find out more



LINEAR

Why study Chemistry?

Chemistry is the study of matter and how the basic elements of matter combine and interact with one another. From solving crimes to curing disease, from developing new materials to improving the flavour of your favourite food, chemistry is essential in the modern world

Chemistry is one of the hardest A levels but also one of the most rewarding, both in the knowledge and skills you gain but also in the value universities attribute to it. A level Chemistry builds on your maths skills, problem solving skills, and practical skills in a way that not many other subjects can.

Degrees and careers which make use of chemistry include:

Patent Law
Chemical Analyst
Polymer Scientist
Forensic Analyst
Biochemical Engineering
Flavour Chemist
Environmental Scientist
Doctor
Dentist
Vet Research
Chemist (pharmaceutical, cosmetic, food, environment, biotech, ceramics...)
Alternative energy
Petroleum Industry
Education

And many more!

About the course

A Level Chemistry provides an excellent basis for further study in any science or science-related field. It is a compulsory subject for almost all medicinal, dentistry and veterinary degrees. Due to the complex and highly rewarding nature of the course, it is one of the few subjects that "opens more doors than it closes".

Year 12

In Year 12 you will be introduced to the concepts of organic chemical synthesis and chemical analysis. You will also build on GCSE to understand the chemistry of groups 2 and 7, calculations involving masses, solutions and gas volumes, and the heat change of chemical reactions

Year 13

In Year 13 you build upon the foundations of Year 12 even further to explore Benzene and Phenol Chemistry, advanced organic synthesis and analysis, the reactions of buffers, pH, rates of chemical reactions and transition metal chemistry

Assessment

Assessment occurs via a practical endorsement and three exams. 2x 2hr 15mins and 1 x 1hr30min at the end of Year 13.

Entry criteria

Students must have a grade 6 in GCSE Chemistry (If Combined Science, a grade 6 in both chemistry papers) and a grade 6 in Maths.

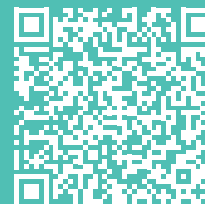
Outside the classroom

Students will have the opportunity to visit either a university science department, and/or a local laboratory.



A Level Computer Science OCR

Find out more



LINEAR

Why study Computer Science?

We are living in a digital age where computer programmes have infiltrated nearly every aspect of our lives, and this is really only just the beginning! Studying Computer Science provides vast opportunities to work in the global market in virtually every industry with excellent financial reward.

Computer Science is an intensely creative subject that combines invention and excitement, that can look at the natural world through a digital prism. Computer Science values computational thinking, helping students to develop the skills to design systems and understand the power and limits of human and machine intelligence in an array of topics, also developing key problem-solving skills that are essential in day-to-day life.

This course is the best preparation for students who want to go on to study Computer Science at a higher level and will also provide a good grounding for other subject areas that require thinking creatively, innovatively, analytically, logically, and critically.

About the course

Computer Science teaches students how to apply skills in and an understanding of computing (including programming) in a range of contexts to solve problems and delving into producing graphical user interfaces and object-orientated programming solutions.

Through the creation of a programming project, students will have the opportunity to create a substantial piece of software using modern design methods and guided by teachers, they will look to display their skills and talents.

Year 12

Lessons involve discovering key theories and techniques in Computing, then instantly applying them to their practical application through coding! The Department has made a significant investment in leading edge learning resources for both Year 12 and Year 13 students. Our AS Level Computer Science qualification splits learning into two sections: Computer Fundamentals, and Programming Techniques and Logical Methods. The qualification is unique as it is the only one in the Computer Science suite that does not test a student's ability to program. Within the course, students study a range of theory topics, which include the principles and understanding linked to programming, as well as topics such as hardware and software, networks, systems development life cycles and implications of computer use.

Year 13

This builds on Year 1 learning with students delving deeper into topics such as pattern recognition, abstraction of the real world and algorithm efficiency. The other 20% will be the coursework project which has a focus on coding an app to meet a real-world need. This involves analysing a problem, designing a solution, implementing the solution then thorough testing and evaluation. Students have completely free choice on the purpose and design of their

app. This could be a revision app for students, a booking system for a local business or even a game in Unity using a language like C#. Teachers support the learning journey for students, making sure they develop their coding skills to be able to tackle their project.

Assessment

Year 12 will consist of two components, which will be externally assessed and weighted at 50% each.

Year 13 will consist of three components, two of which will be externally marked question papers making up 80% of the qualification.

Entry criteria

In order that students have full access to everything we study and that they enjoy the course, we require 5 grade 5s or above at GCSE, including maths.

You do not need to have taken Computing at GCSE.

Outside the classroom

The digital age relies upon computers. Over 93% of UK Computer Science graduates secure well paid positions in the Technology Industry within 6 months of graduating. A systems developer earns between £45,000 - £70,000. You may have noticed that computers are global! Being skilled in Computer Science opens up a whole world of well paid, interesting career opportunities for you.



A Level Drama and Theatre Studies Edexcel

Find out more



LINEAR

Why study Drama and Theatre Studies?

Drama and Theatre Studies is a subject that demonstrates your ability both practically and academically. It asks you to consider man's strengths and frailties, question the world around you, whilst discovering more about yourself. The results for A Level Drama was recently in the top 15% of the country which is a great achievement and shows the dedication of our students and staff. What students enjoy most is the opportunity to be creative, making original pieces of theatre whilst performing and studying a variety of plays. In lessons we spend time exploring in an interactive way and students are encouraged to develop skills in presentation of facts as well as performance to an audience. You will also see exciting new theatre and get to work with others learning skills in collaboration, communication, and leadership.

About the course

The course challenges students to create an original piece of theatre inspired by an extract and their own research. Students keep a record of the process which is also assessed. They also perform two scripts to an examiner. The final exam involves students responding to a live piece of theatre, analysing how they would play a character and design for a set text, and finally discuss their directorial interpretation of a play. We offer a two-year linear A Level course and choose our texts and practitioners to suit the group of students we have each year.

Year 12

In Year 12 students are introduced to a variety of theatre practitioners and texts. They will perform a section of their set text and prepare for the devising section of the exam. By the end of the first-year students will have performed their devised piece and completed their portfolio. This is component one of the course and makes up 40% of the final A Level.

Year 13

In Year 13 students will study their second set text and create a directorial vision for the play inspired by a practitioner. They will complete their performance exam to an external examiner. This consists of two sections, firstly they will perform a monologue or a duologue and then a group piece from a contrasting play. This is often done as an evening performance so that family and friends can come and support. Then they finally revise for the written exam.

Assessment

Component 1: Devising - 10% performing 30% portfolio. Internally assessed and then moderated.
Component 2: Performance - An externally assessed performance exam. 20%
Component 3 Written exam. 40%. Externally marked.

Entry criteria

It is recommended that students have a grade 6 or above at GCSE Drama and at least a grade 5 or above in English.

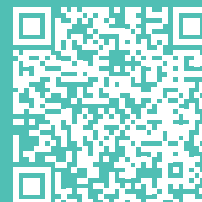
Outside the classroom

The more theatre that students have seen will benefit them and participating in productions and any other extra-curricular Drama activities, although this is not essential. During the course we will go on theatre visits which have included residential trips to Stratford and local theatres. We expect students to rehearse outside of lesson time and have also had workshops from theatre practitioners.



A Level English Language AQA

Find out more



LINEAR

Why study English Language?

English Language is a rich and varied course that provides a superb springboard for employment in commerce, public relations, speech and language therapy, law, psychology, and elements of the media. You will learn to read and write for purpose and develop an understanding of how culture and attitudes are represented, maintained, and challenged through speech and writing. In the final year students complete a Non-Examined Assessment (NEA) that enables them to write for purpose and investigate an aspect of language that fascinates them, such as child language acquisition or opinionated texts. The subject is relevant and engaging, allowing students to explore how language shapes culture and identity, and how our evolution as language animals has shaped our social organisation and identity.

About the course

English Language A Level develops a student's knowledge and critical understanding of how language has developed across time. It also explores dialect and accent, and attitudes to speakers of different dialects. In the final year the development of language in human babies facilitates and understanding of what grammar is and how a language is developed in the brain. We offer a two-year linear A Level. Students complete a 3500-word personal investigation in Year 13 and two written examinations.

Year 12

In Year 12 we study the evolution of the English language, and how it has been shaped and adapted. Much of this involves an exploration of how society impacts on and shapes language, how words develop and how the study of language can facilitate an understanding of history and society. Students also study the representation of attitudes and social expectations in a variety of written texts. Students explore the way meaning is contained in writing and develop an ability to critically analyse and explore language choices and relationships between writers and their audiences.

Year 13

In Year 13 students study how children acquire language and the different theoretical interpretations of this process. Students also study the influence of class, gender, race and culture on language choice and the shape and identity of Global English in the 21st century. Understanding the place of modern English in the wider world offers a fascinating insight into human history and evolution, and students can envisage the ongoing development of English in the future.

Assessment

The main assessment is through two external examinations in Year 13. 20% of the assessment is through a personal coursework investigation and language production (own choice writing).

Entry criteria

A grade 6 at GCSE English Language, and 4 other passes at grade 5 in other subjects (including English Lit).

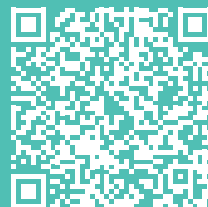
Outside the classroom

An exploration of how language works in the wider world. Various trips outside the classroom to observe and explore language in action in the real world. The investigation coursework can take students anywhere they choose!



A Level English Literature AQA A

Find out more



LINEAR

Why study English Literature?

English Literature at A Level is one of the most important, fulfilling, and enjoyable courses on the curriculum. Our students do very well and take home grades they will be proud of for a lifetime. But more than this, our students learn to communicate, to enquire, to explore and to challenge the world around them via a journey through some of the greatest texts ever written. We believe in the potential of our students to succeed and thrive in their study of English. We offer a rich and exciting course that will provide students with the tangible skills required to function in an ever-changing world. We will ensure our students are encouraged to express themselves creatively and we will celebrate their identity.

About the course

This two-year course provides a variety of opportunities to explore literature. The idea of the course is to read texts within a shared context, drawing out patterns of similarity and difference using a variety of reading strategies and perspectives. The course encourages students to debate and challenge the interpretations of other readers as they develop their own informed personal responses.

Year 12

In Year 12 we study the part of the course called 'Love through the Ages' and explore set texts in Shakespeare pre-1900s poetry and post-1900 prose, as well as exposing students to a wide range of unseen poetry. Whilst there is no external exam here, students will sit a rigorous internal exam at the end of the year.

Year 13

In Year 13 we move on to 'WW1 and its aftermath' and look at a modern prose text, a drama and another poetry anthology. Wider reading is essential for this course, and we work with students to help them analyse and critique a wide range of unseen prose. At the same time, students are expected to revisit and recap Year 12 content.

Assessment

Two written exams at the end of Year 13:
40% - Paper 1: Love through the Ages: 3 hours
40% - Paper 2: WW1 and its aftermath: 2.5 hours
20% NEA: One extended essay (2500 words) and a bibliography

Entry criteria

A grade 6 at GCSE English Language, and 4 other passes at grade 5 in other subjects (including English Lang).

Outside the classroom

The successful grades in English literature at Newquay Tretherras is down to the students' desire to succeed, their love for the subject that develops over the course, and their commitment to progressing. Added to this are dedicated

staff who have superb subject knowledge and keep the students' success at the centre of all they do. Staff are available after school and in lunch times and work with small groups of students, often offering one-to-one sessions, to ensure students are motivated and progress rapidly. Nowhere do the students fall more in love with literature when they can see it and feel it. As such, we aim to take the students on a variety of theatre trips, and we often welcome guest writers and poets in to work with our students. We have arranged for students to be guests at Cambridge University, even having sample lectures in a variety of English courses and many of our students choose to study English at degree level and beyond. Most important is that students read – read and immerse themselves in relevant literature that will both challenge and enthrall.

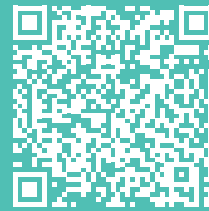
Find out more

<https://www.aqa.org.uk/subjects/english/as-and-a-level/english-literature-a-7711-7712>



EPQ AQA

Find out more



STAND
ALONE

The Extended Project Qualification (EPQ) is a self-motivated project that carries the same UCAS points as half an A Level and is increasingly popular with students. There are several types of EPQ: you can write a research-based 5000-word report or make something, like a piece of art or website and or computer game.

It requires self-discipline and independent research on a topic of your own choice, so is seen as a good option for people who want to stand out when applying to university.

The advantages of doing an EPQ and the skills you will develop are:

- It allows you to choose a topic that is of specific interest to you.

- It helps you to develop skills that will be invaluable to you in Further Education or work.

- It is respected and acknowledged with most universities.

- It carries UCAS points.

- It develops skills such as: research, note taking, problem solving, project management, question framing and analytical writing.

- In some cases, universities may reduce your offer

If you wish to find out more about this qualification, please speak to Mrs Harbisher.

A SELECTION OF NEWQUAY TRETHERAS STUDENT'S EPQ TITLES.

Which is the worst crime/criminal in British History with reference to murder?

Could the flooding of the Somerset levels in 2014 have been prevented?

The philosophy of artificial intelligence – do machines have the ability to think in the same way as humans?

What is the Pixar theory, how valid is it, and how has it developed through time?

Should Fracking continue in the UK?

The effectiveness of the prison system within the UK

How have Indie games evolved and impacted on mainstream gaming?

What are the main reasons that led people to be conscientious objectors in the UK?

Are the new rules and regulations in Formula 1 better for the sport?

Who killed JFK?

What place do GMO's have in our future?

How villainy has developed within fiction since the 1950's

Designing a perfect family boat

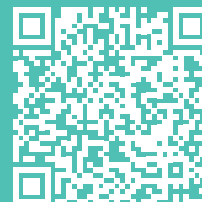
"Some admissions tutors may make two alternative offers, one of which involves success in the Extended Project (e.g., either AAA at A Level or AAB at A Level plus Extended Project)".

University of Bristol



A Level Film Studies Eduqas

Find out more



LINEAR

Why study Film Studies?

Film Studies offers students the chance to explore the full depth and breadth of one of our culture's most important art forms. Through a comprehensive study of the various critical areas of Film Studies, students will develop their knowledge of the history of cinema and its critical developments, from the silent era through the golden age of Hollywood up to the present day. Students will come to understand how films can't help but reflect the cultures in which they are made and through this how film has become the global language of storytelling.

About the course

Students will study the key elements of film form including cinematography, *mise en scène*, editing, sound and performance. They will also study the contexts of their set films and what was happening when the films were made – what can these films tell us about history and society at that time? They will also study the films in terms of the representations they present or challenge. Finally, the A Level course will also engage students in the study of Ideology, the Auteur and Critical Debates surrounding Film. In addition to this, the course also contains an examined coursework module, which requires students to produce a short film of around five minutes. The course seeks to develop several highly transferable skills, useful for further education, work or just life itself. These include: Creative Thinking, Critical Thinking, Emotional Intelligence, Film Analysis, Textual Analysis, Communication, Research skills, Literacy, Technical competencies (i.e. film editing).

Year 12

In Year 12 students begin with the study of Hollywood cinema from 1930-1990, with an in-depth study of two films, one from the golden age of Hollywood and another from the period known as 'New Hollywood'. This will then progress onto the study of American Independent Cinema, which, through the study of two films, examines the language of films made outside of the Hollywood system. With their second teacher, students begin with the study of documentary cinema and the various modes of documentary filmmaking, before progressing onto Global Cinema, a study of two non-English language films from different cultures around the world. Finally, students explore a selection of short films and develop an understanding of the specifics of short film form as they begin pre-production on their own film project.

Year 13

In Year 13 students begin by looking at British Film, examining how a distinct language of cinema has emerged in our country. This year also looks at specific film movements, with a focus on The Silent Era and Experimental Cinema. This helps students to develop their knowledge of the very first steps in the language of cinema, as well as looking at some of the more unusual and creative styles of film that have been produced. Finally, students also complete their short film production this year.

Assessment

Assessment is conducted through two written exams and one coursework project.

Exam 1: 2h30: Varieties of Film and Filmmaking (35% of qualification)

Exam 2: 2h30: Global Filmmaking Perspectives (35% of qualification)

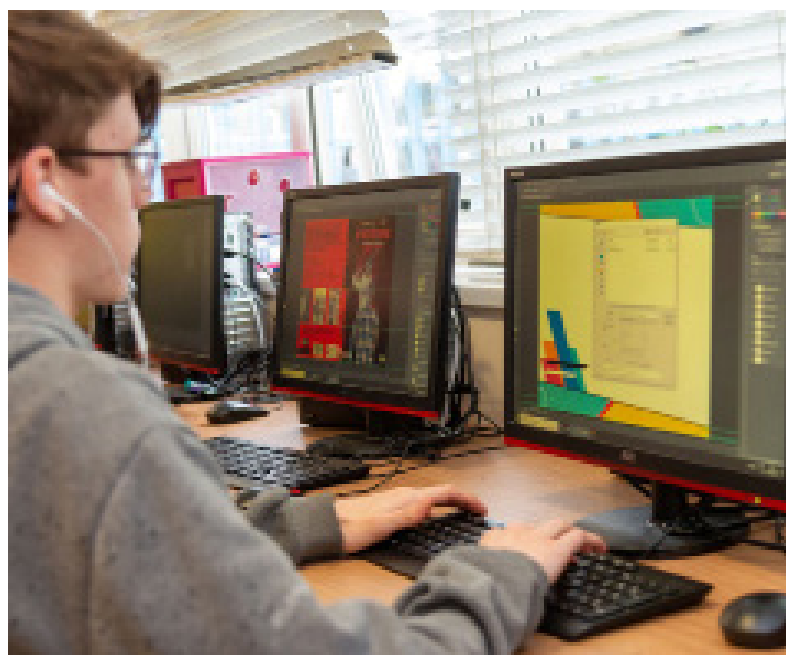
Coursework: Short Film Production (30% of qualification)

Entry criteria

Students should have achieved a minimum of a grade 4 in Media Studies at GCSE. For students who did not take the subject at GCSE, we would expect a grade 4 in English.

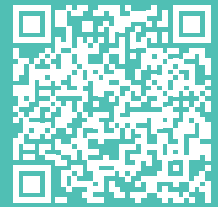
Outside the classroom

Where possible, we aim to give students cinematic experiences, such as viewing films in iMax cinemas, that are not available in Cornwall.



A Level French AQA

Find out more



LINEAR

Why study French?

Languages are an essential part of our international, intercultural world in which we live. Studying Languages equips students with a skill for life which will broaden horizons, increase employability, and enable them to have the confidence to venture out into the world and discover new places and cultures. Language learning also develops critical thinking, research, and communication skills, helping students prepare for higher education and gives them access to a wide range of exciting future careers.

French is an important language, being one of the official languages of the United Nations and the Olympic Games. It is also spoken across many countries of the world, particularly in Africa. A-Level French will foster an appreciation for the language and an awareness of many cultural aspects of the French-speaking world including, literature, film, history, and politics.

About the course

French A-level develops a student's knowledge and use of the language, building confidence and fluency throughout the course. Students will broaden their vocabulary and their grammatical knowledge to be able to use the language independently whilst developing their understanding of topics relating to the culture and politics of French speaking countries. All four skills, Reading, Writing, Speaking and Listening will be practiced in a variety of different contexts and situations.

Year 12

In Year 12 students' study two main themes covering Current Trends in French speaking society and Artistic Culture in the French speaking world.

In the first theme students learn about the changing nature of Family Life, gaining an understanding of trends in marriage and how modern and traditional values differ. They will also learn about the use of New Technologies and the Role of Voluntary Work and the influence they have on society today.

The second theme teaches about Popular culture and the impact that artists from the world of Music, TV and Fashion have on our society. Students will also learn about the preservation of French Heritage and how these impacts upon and is guided by culture in society.

They will acquire knowledge of Film studies when they study a film by a French director, enhancing their ability to evaluate and analyse.

Year 13

In the second year, we focus on the topics of Multiculturalism and Political Life in the French speaking world.

Students develop an understanding of ethnic diversity and the way in which cultures coexist and integrate in today's

society. They also look at society's disadvantaged, from the homeless to the handicapped, and the topic of Crime and Punishment in France.

In the second topic students learn about the importance of politics in the lives of young people and the power of popular movements in creating a change to the world we live in. They also examine Immigration in French speaking countries and the effect it can have on society.

Students also get to complete an individual research project. They may choose any topic of their choice, linked to the French speaking world to research and they prepare a presentation on their chosen topic for the speaking exam.

A book by a French author is taught during this year too, giving further insight into the culture of France.

Assessment

Assessment is through three separate papers.

Paper 1 worth 50% of the grade is an exam in Reading, Listening and Writing and Translation into English.

Paper 2 is a two-hour writing paper worth 20% of the grade and includes a translation into French (100 words) and two essay questions, one on the book and the other on the film studied.

Paper 3 is the speaking exam which lasts 16 minutes, worth 30% of the grade. This involves students discussing a sub-theme from the year for 5 minutes and then doing a 2-minute presentation and discussion for 10 minutes on an individual project chosen by the student.

Entry criteria

Students are required to achieve grade 6 at GCSE to be able to study languages at A level.

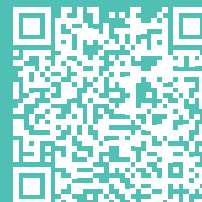
Outside the classroom

Students have regular contact with a Foreign Language Assistant to develop their conversational skills and fluency.



A Level Geography Eduqas

Find out more



LINEAR

Why study Geography?

Geography really is everything! Planet Earth is our home; it is awesome, diverse, inspiring and ever changing. Studying Geography invites us to participate more fully in the excitement, enjoyment and challenge of this dynamic world. It allows students to better understand the places we live in, why they matter and how they are connected to a globalised world. Geography draws from across the physical, cultural, economic and political spheres to illuminate key issues for the present and the future, explored at all scales from the personal to the local and the global. Students will learn a wide range of geographical skills across the two-year course including graphical and statistical analysis, research and decision making. These skills are transferable to other subjects and one of the reasons why Geography is considered to be a 'facilitating subject' and highly sought after by universities and employers alike.

About the course

Geography A Level develops a student's knowledge and critical understanding of the people, places and environments of the 21st century. We study seven units over the two-years which include four Physical and three Human units. Students complete a 4000-word personal investigation in Year 13.

Year 12

In Year 12 we study two Physical topics. The coastal system teaches about the natural landforms in our environment and the physical processes which form them, including the human use and management of these fragile landscapes. The second unit studies Earth Sciences and the Tectonic processes that continue to shape our planet. Students will develop an in-depth understanding of earthquakes and volcanoes, their structure, the dangers they pose. We also evaluate the challenges these offer, and how we try to mitigate their dangers to human life and development. The Human unit, Changing Places researches the identity of places and people around the world and the way that this identity can be changed and influenced. This unit takes a broader look at the concept of place, and includes aspects of Economics and Sociology. When investigating the concept of place, we explore Cornish culture in this unit.

Year 13

In Year 13 we focus on Water and Carbon Cycles; investigating the crucial regulating systems of our planet, the way they influence life and the way humans can interfere with and manage these cycles. We also learn about the inter-related nature of these vital natural systems and how they impact on each other. The final Physical unit studies Ecosystems; this centres on the way they function and interact with the other natural systems learned over the course. Students will learn about the unique nature of two systems and how we impact upon them. There are two Human topics in Year 13. Global Systems and Governance (e.g. Trade, population and migration and human rights) teaches the interaction between people on the planet at an international level and the impact this has on development, population and trade.

The final unit investigates China, and takes a detailed look at this growing world superpower. The unit covers Physical, Political, Social and Economic issues and developments within China. Students develop a wider understanding of the country and its global role in issues such as climate change, trade, international relations and politics.

Assessment

The main assessment is through three external examinations in Year 13. 20% of the assessment is through a personal coursework investigation. There is an emphasis on critical thinking and application of knowledge and understanding, especially in the final exam which involves 38 and 45 mark essay.

Entry criteria

A grade 6 at GCSE, and 4 other passes at grade 5 in other subjects (including English).

Outside the classroom

Fieldwork is an integral part of the course. We run two local fieldwork experiences covering both human (Exeter) and physical themes (Penhale dunes). Further opportunities are offered with a two day residential trip to Liverpool to study urban regeneration and the potential to visit Iceland in February 2025 to investigate tectonic and geomorphological hazards.



A Level History Edexcel

Find out more



LINEAR

Why study History

The study of History will encourage students to develop their independent research and thinking skills to consider the impact of democratic change over the past one hundred years and how medieval society shapes the foundations of Britain today. Students will be empowered to confidently reach their own conclusions of historical ideas based on their analysis of historical sources, consideration of knowledge and their own personal beliefs. Students will be encouraged to actively participate in all lessons to discuss and share ideas. The skills of discussion, decision making, and analyses are all highly valued in both the working world especially in fields such as law, journalism and management, as well as in further education.

About the course

The History department at Newquay Tretherras is embracing the changes in the A Level to explore and investigate democracies in change: Britain and the USA in the 20th Century. Both Britain and America continue to dominate headlines in current affairs due to ideals, issues and policies that are rooted in the past, and for students to engage and consider these ideas will help them make more sense of our current world. At the beginning of the twenty-first century, Britain's welfare system provides health care and education for all its citizens and the USA has voted into power a mixed-race president. In 1918, both things would have been unimaginable to most of those living at the time. Route H studies how the two leading western democracies responded and adapted to the challenges brought about by the greater political, social, and economic expectations of ordinary people in the twentieth century. Students will also explore the medieval world through the Wars of the Roses 1399-1509, understanding the dramatic developments in late medieval England that centred around the personalities and political skills of a series of kings, queens and their powerful subjects, and the impact of these developments on the kingdom. Within the primarily political focus on the nature of kingship and authority in England, this option also explores the wider social and economic contexts of political struggle.

Year 12

Paper 1, Option 1H: Britain transformed, 1918–97

This option comprises a study of British history from the end of the First World War in 1918 to the election of Tony Blair as prime minister in 1997. During this time Britain was challenged by war, fluctuations in the economy, technological advancement and the desire for greater social equality. The response to these challenges has in many ways created the political, social, and economic climate of the twenty-first century today.

Paper 2, Option 2H.2: The USA, 1955–92: conformity and challenge

This option comprises a study of the USA in the years 1955–92, from post-1945 affluence, through racial and political protests in the 1960s, to the rise of right-wing groups in the 1980s and the America of Ronald Reagan.

Year 13

Paper 3: Lancastrians, Yorkists and Henry VII, 1399–1509

This is a study of a period that has inspired playwrights and popular novelists from Shakespeare to George Martin. Here is a real Game of Thrones with murders, plots, battles, and betrayals. The 110 years cover the reigns of seven kings, the last six Plantagenets and the first Tudor. It begins with a violent seizure of the throne by the Duke of Lancaster, cousin of the reigning monarch Richard II, who is then starved to death in Pontefract Castle. It is an appropriate beginning for this saga which ends with a new dynasty establishing a hold on the throne at the end of the century.

Assessment

Students must complete a 4000-word individual study on an historical enquiry of their choice. Linear NOTE: At the end of Year 13, students will have to sit exams in ALL UNITS for the A Level grade. The exam on Unit 1 and 2 will be a different paper.

Entry criteria

Students need to have a Level 6 grade in History as a minimum to study History A Level. If GCSE History was not taken, then a Level 6/7 in English might be considered at the discretion of the Head of Department

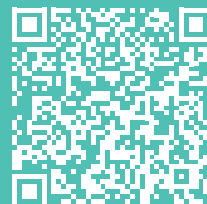
Outside the classroom

Students will get the opportunity to visit London and explore the Houses of Parliament, Tower of London and the War Rooms.



A Level Mathematics OCR MEI

Find out more



LINEAR

Why study Mathematics?

A Level Mathematics is a versatile qualification, well-respected by employers and is a "facilitating" subject for entry to higher education. Careers with good mathematics skills and qualifications are not only well paid, but they are also interesting and rewarding. People who have studied mathematics are in the fortunate position of having an excellent choice of career. Many employers highly value mathematics qualifications as mathematics students become better at thinking logically and analytically.

Having strong mathematical skills is important for many university courses, particularly Sciences, Technology, Engineering and Mathematics (STEM) degree courses. Studying A-Level Mathematics will help support other A-Level subjects such as Physics, Chemistry, Biology, Geography, Psychology, Economics and Business Studies.

About the course

Through problem solving you will develop resilience and be able to think creatively and strategically. The writing of structured solutions, proofs and justification of results help you to formulate reasoned arguments. You will develop excellent numeracy skills and the ability to process and interpret large data.

We offer a two-year linear A-Level with the option to complete the AS qualification at the end of the first year.

Year 12

In Year 12 we study three broad topics of Mathematics: Pure, Mechanics and Statistics.

During your Pure studies we will build on your algebra, geometry and number skills from GCSE Mathematics and extend these ideas further.

Mechanics is the study of modelling the world around us, the motion of objects and the forces acting on them. In these topics will explore how we can apply your Pure techniques and skills to solve problems in modelling the world around us.

We will extend your understanding of Statistics from GCSE, looking at how to calculate the likelihood of an event occurring and reaching conclusions from data.

Year 13

In Year 13 we will build on your knowledge from the first year of Pure, Mechanics and Statistics. You will be introduced to more sophisticated mathematical concepts, such as differential equations which have applications to modelling Tsunamis, weather systems and vibrations of drums.

Assessment

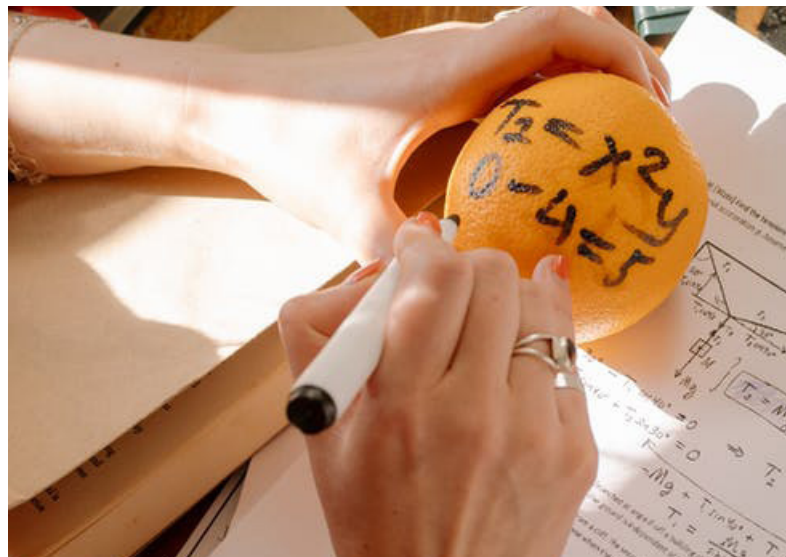
The A Level is assessed through three external examinations at the end of Year 13. There is an emphasis on problem solving throughout the new 'A' Level.

Entry criteria

A grade 6 in GCSE Mathematics.

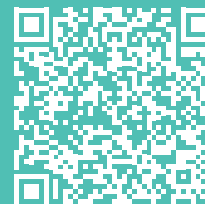
Outside the classroom

We offer students the opportunity to take part in the UKMT individual challenges and Senior Team Challenge.



A Level Further Mathematics OCR MEI

Find out more



LINEAR

Why study Further Mathematics?

Like with A Level Mathematics, studying Further Mathematics improves your career opportunities and employability skills. Anyone thinking of studying a degree in a STEM subject should consider taking Further Mathematics to at least AS Level as the additional content helps ensure a successful progression to university. Having A Level Further Mathematics on your university application is a way to make it stand out. Studying A Level Further Mathematics is also likely to improve your grade in A Level Mathematics. The extra time, additional practice, further consolidation, and development of techniques contribute to improved results in A Level Mathematics.

About the course

A-Level Further Mathematics is fun and rewarding. It broadens your mathematical skills and promotes deeper mathematical thinking. You will be introduced to interesting new areas of pure mathematics such as complex numbers and apply mathematics in a wider range of contexts.

We offer a two-year linear A Level with the option to complete the AS qualification at the end of the first year.

Year 12

In Year 12 you will study three modules on different areas of mathematics. The first module is Core Pure, where you will learn about complex numbers, matrices, vectors, and proof. There is some flexibility over the other two modules that you will study, and we try to tailor this to the cohort of students. We study Statistics and Modelling with Algorithms in Year 12.

In the Statistics module you will broaden your knowledge of Statistics and build on the content covered in A-level Mathematics. An understanding of probability and risk is important in careers like insurance, medicine, engineering and the sciences.

Modelling with Algorithms used to be called Decision or Discrete Mathematics and still is by some other exam boards. During this module you will learn how to construct and use algorithms to find efficient solutions to real life problems, such as finding the shortest route around a network. The techniques are important in business, logistics and computer science.

Year 13

In Year 13 you will study two modules. The first module builds on the Core Pure content that you studied in AS Further Maths. You will also be introduced to new concepts such as hyperbolic trigonometry and Polar co-ordinates, as well as extending ideas from A Level Mathematics further.

The second module is optional and like with year one of the course, we will try to tailor this to the cohort, usually we study a Mechanics module. This module builds on and extends the Mechanics concepts covered in A Level Mathematics. Mechanics is particularly useful to students studying physics

and engineering.

Assessment

The AS Level is assessed by three examinations of equal weighting at the end of the year.

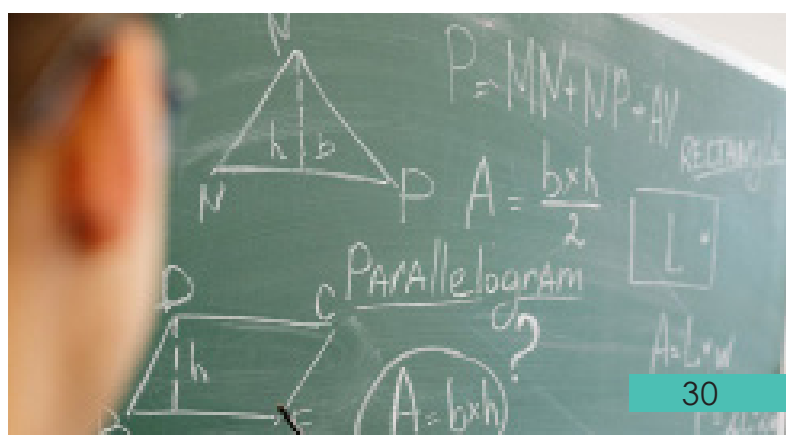
The A Level is assessed by four examinations at the end of Year 13.

Entry criteria

At least a grade 7 in GCSE Mathematics.
You must also be studying A-Level Mathematics or already have an A Level in Mathematics.

Outside the classroom

We offer students the opportunity to take part in the UKMT individual challenges and Senior Team Challenge.



A Level Core Maths AS over 1-year AQA

Find out more



LINEAR

Why study Core Maths?

Studying Core Maths helps students develop their quantitative and problem-solving skills. This is a valuable preparation for the quantitative skills they need for many degree courses, particularly subjects such as Psychology, Geography, Business-related courses, sports and social sciences, and natural science courses that do not require AS/A Mathematics. Core Maths also supports the study of these subjects at A Level.

About the course

Core Maths is a relatively new type of qualification. 'Core Maths' is a term that refers to a type of Level 3 maths qualification for students in post-16 education that can be taken alongside A Levels or other qualifications, including vocational courses. It's designed for students who have passed GCSE Mathematics at grade 4 or above, but who have not chosen to study AS or A Level Mathematics. In this course you will learn some new topics, but it mostly involves maths you will have already used for your GCSE. Where it differs is its focus on developing the skills you need to apply maths to the kinds of real-life problems you will meet in study, work, and life. There is also a strong emphasis on problem-solving. Core Maths is only available to take at AS Level.

Year 12

Over the course of the year, you will study a variety of topics including:

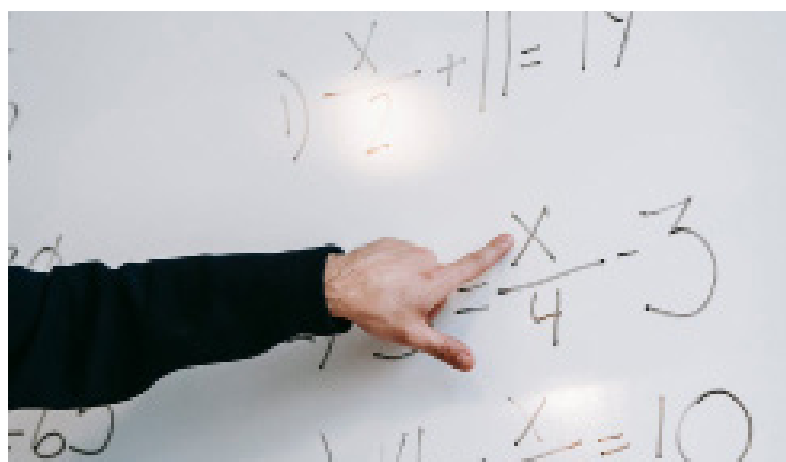
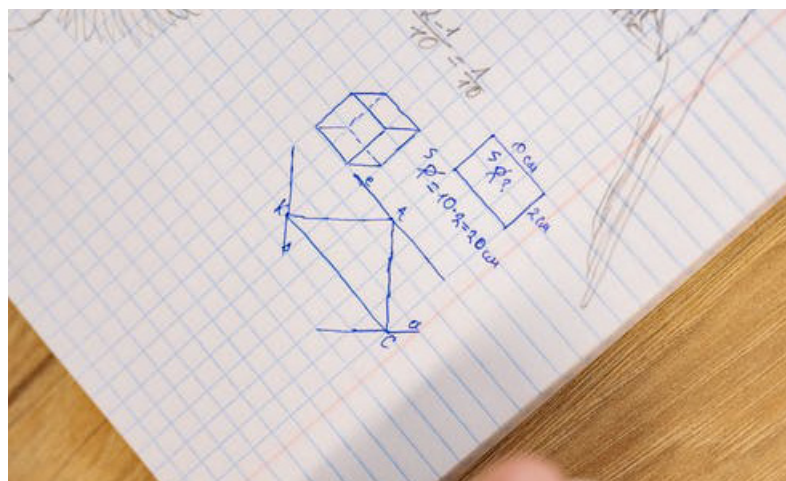
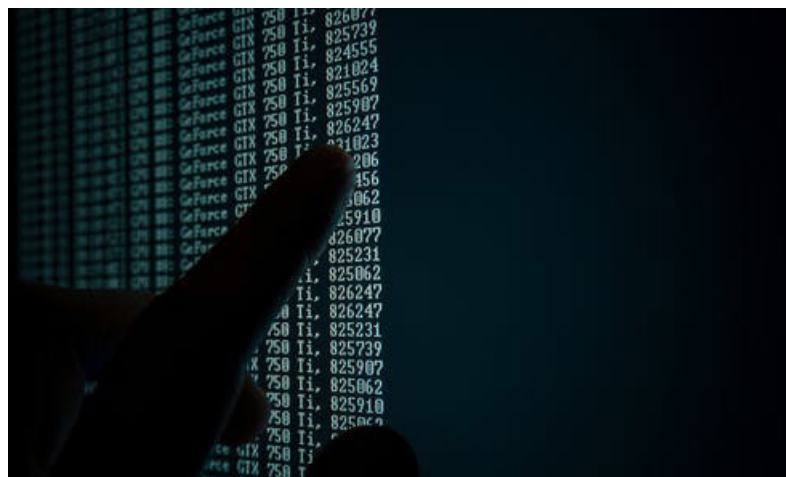
- Interpreting solutions in the context of the problem
- Understanding sources of error and bias when problem-solving
- Working with data
- Understanding risk and probability
- Understanding variation in statistics
- Using exponential functions to model growth and decay.

Assessment

The AS Level is assessed by two examinations at the end of Year 12.

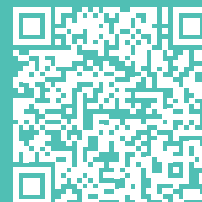
Entry criteria

At least a grade 4 in GCSE Mathematics.



A Level Media Studies Eduqas

Find out more



LINEAR

Why study Media Studies?

Media Studies offers a broad examination of contemporary culture. In a world in which the average teenager consumes more than six hours of media per day and advertising has become ubiquitous, Media Studies provides students with the skills to recognise and disentangle the influence of the media on how we live, connect, and communicate.

Alongside this, students develop their creative digital practice on industry standard Adobe software packages, most frequently in the form of magazines, advertising campaigns or music videos.

About the course

The course explores a diverse range of texts and industries, providing students with detailed knowledge and understanding of a range of media, from advertising to music videos to long-form television drama to magazines and much more. The practical element (non-exam assessment) presents students with an opportunity to advance creative skills in a range of digital mediums. Media Studies pairs particularly well with English and Photography, whilst also complementing many of the social sciences.

Year 12

In Year 12 students begin with a study of the fundamental principles of Media Studies. These core study topics include media language, representation, audience and industry.

Students then move on to studying several key areas for their exam, including advertising, the film industry, music videos, magazines and newspapers. Within these topics students analyse how representations are constructed and how stereotypes around demographic factors, such as gender and age, continue to be propagated by the media. They will also explore the specific visual language of each of these mediums and how they make meaning. Within both areas' students explore key theoretical areas and philosophical schools of thought, such as structuralism and semiotics, to help position their studies within the broader academic fields of which they are a part.

In the summer term students begin work on their practical coursework production. This asks students to respond to a brief, much as one would within creative agencies, to produce a folder of work based around either a magazine, advertising campaign, music promotion campaign or film promotion campaign. This will always require students to produce work in more than one format, for example both physical magazine pages and a website.

Year 13

In Year 13 students' study both TV drama and online media in great depth, as well as looking at radio and video games in relation to media industries and audience. These help to develop students' ability to decode the new language of social media and how it is being utilised within more traditional media industries. The areas of study are the same as detailed above.

Once students have completed their coursework folders in the Autumn term, attention is turned toward the two written exams that will be sat around the beginning of June.

Assessment

Assessment is conducted through two written exams and one coursework project.

Exam 1: 2h15: Media Products, Industries and Audiences (35% of qualification)

Exam 2: 2h30: Media Forms and Products in depth (35% of qualification)

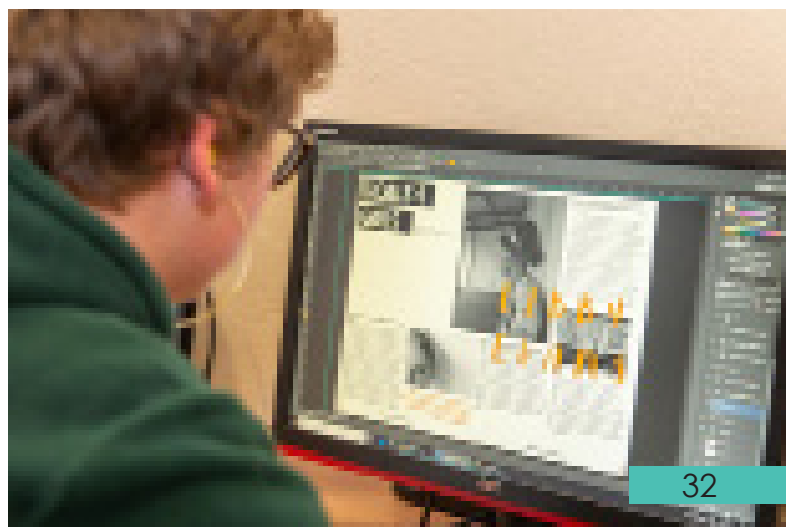
Coursework (30% of qualification)

Entry criteria

Students should have achieved a minimum of a grade 4 in their Media Studies GCSE. For students who did not take the subject at GCSE, we would expect a grade 4 in English.

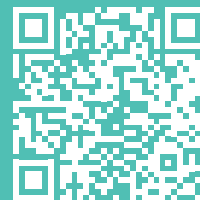
Outside the classroom

Where possible, we aim to take students to some of our country's leading centres of media industries, such as London and Bristol, to give them a wider range of experiences than are on offer in Cornwall.



A Level Music AQA

Find out more



LINEAR

Why study Music?

A Level Music gives students a strong foundation for higher education and/or a career in composing, performing, media and film; it may also lead on to teaching or using the cross-curricular skills to other arts careers. A high percentage of our A Level Music students have continued to study music at higher education level or have pursued successful careers as professional musicians. Recent students have progressed to Birmingham Conservatoire, London College of Music, Bath Spa, Cardiff University and one student is now performing professionally on cruise ships.

About the course

The A Level music course gives plenty of opportunity for self-expression. By studying a range of different genres students can increase their own musical repertoire and gain all the skills to develop their own style. The course is suited to all those that have an interest in music and a desire to deepen their understanding of live and recorded music. The course has a heavy practical element and students will be expected to be at least grade 4 standard on their voice or instrument.

Year 12

In the first-year students cover three topics: Unit 1: Appraising Music (the written element). Unit 2: Composition and Unit 3: Performance. For the written element you will study the Western Classical Tradition including Baroque concertos alongside Popular Music which includes artists such as Stevie Wonder, Muse and Daft Punk.

Year 13

The second year follows a similar format but, in more depth, and the composition element is more substantial. The performance element once again allows students to present solo vocal, instrumental or electronic pieces of work. For the written and appraisal element students widen their repertoire to include music for media, studying composers such as Michael Giacchino, Bernard Herman and Hans Zimmer.

Assessment

The breakdown of the components is as follows.

Performance 40%, Listening and Appraisal 25% and Composition 35%. The performance can be recorded at any point during the course. The composition in both AS and A2 is coursework based and externally marked. This will feature a listening exam followed by written answers based on analysis of set works and the units on Popular Music and Music for Media.

Entry criteria

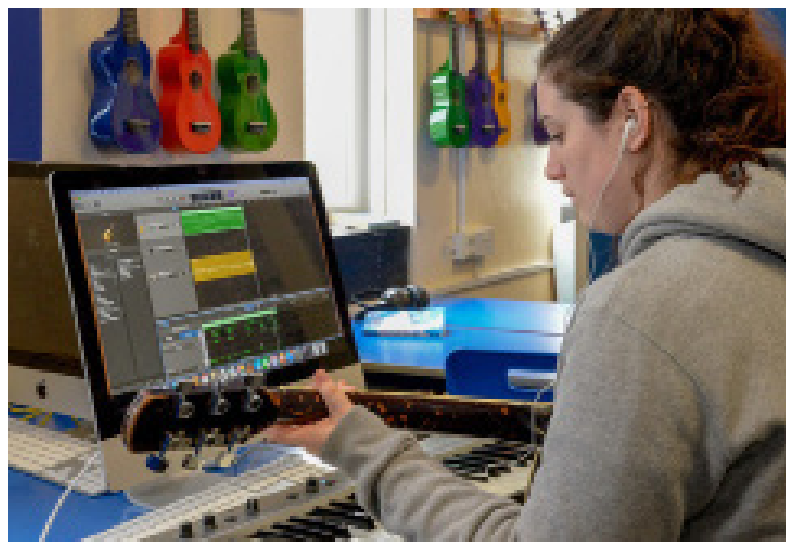
Students will be required to have at least grade 6 at GCSE Music and to be at least grade 4 vocal/ instrumental standard. On occasions some advanced musicians may take up the subject at A Level without a GCSE in music.

Please see a member of the music department if this might apply to you.

Students will be expected to receive instrumental or vocal lessons where appropriate and to participate in the many performance opportunities that are available to them. Students sing in the Staff and Sixth form (SAS) Choir to improve their musical skills and are encouraged to lead groups wherever appropriate. There is a Sixth Form music study room in the music department where students can work on their compositions, essays, research etc. They also have priority for the use of practice rooms when preparing for their performance coursework and we now have a dedicated music study room exclusively for A Level candidates.

Outside the classroom

In addition to the Sixth Form music trips to go to concerts both locally and further afield we will have Arts trips to London, Manchester and Bristol. There are also numerous opportunities for students to lead within the extensive musical extra-curricular programme here at Tretherras: Jazz Band, Samba Band, Acapella, Rock Shop, Ukulele Orchestra, Newquay Strings, a Staff and Sixth Form Choir, several thriving rock bands plus the regular Musical Productions staged in conjunction with the Drama department. Music students are encouraged to attend these where appropriate and help to lead where possible.



A Level Photography AQA



Find out more



LINEAR

Why study Art?

Here at Tretherras we offer a wide range of opportunities and experiences for students within Photography. We believe it is important to offer a range of processes and techniques for students to explore. Everything from: traditional darkroom and wet based photography techniques, camera-less photography such as pinhole, photograms, and cyanotype, moving image, animation, fine art experiments, installation and web site presentation.

Under-pinning our courses and projects is the importance of introducing students to the multitude of influence out there in the world of Art today: from historical to contemporary, local to global the world of photography is changing and evolving, and we want our Art department, and our students work to reflect that. Photography students at Tretherras are fortunate to have access to a vast range of facilities, we have 3 large traditional art rooms equipped with every resource under the sun. We have 2 professional standard PC suites and Photography classrooms running Adobe Creative Cloud software. We are equipped with a professional Photography studio as well as a darkroom for traditional film and wet based Photography.

We strongly believe in our role of developing independent and motivated creative thinkers ready to embark on their next steps to university or the world of work in the creative industries which is an important part of the economy in the Southwest.

About the course

A Level Photography develops a student's skills, knowledge, and critical understanding of the World of Photography. We offer a two-year linear A Level. During the first year there is no externally assessed coursework or exam, this year is for experimentation, skills development and exploring new ideas and ways of working. In the second year we study two components, the first a personal investigation which is the student's coursework and comprises 60% of their grade, the second is their EST or exam component comprising 40% of their grade.

Year 12

The first part of Year 12 students will embark on a teacher led foundation course designed to challenge their skills and knowledge. This will be based around mini projects with themes such as 'Portrait of a Place', Portraiture, Movement and Surrealism. These themes are vehicles for students to learn how to explore a range of materials, processes, and concepts. They will work with everything from Nikon 3500 DSLR's, Photoshop and Illustrator software, 35mm film cameras and dark room processes, Studio Flash Photography using Elinchrome D-Lite kit and learn to present work on Web platforms. The second part of the year is given to the students to practice developing a sustained project they design themselves in preparation for their personal investigation in Year 13. This will help them with independent thinking and time management skills.

No work is externally assessed in Year 12.

Year 13

In Year 13 students start their personal investigation this is a piece of coursework that is designed by the students and comprises 60% of their grade, this is a sustained project that shows an in-depth study of an idea, concept or theme of their choice, accompanied by a 3000-word essay that demonstrates their critical and analytical thinking of their own work as it evolves. The second component is their EST or exam, comprising 40% of their grade. This is set by the exam board and is usually a choice of seven questions which act as starting points to themes and ideas. The students choose one and work on preparatory work from February until the start of May where they then sit a 15-hour exam. All work from February and the 15-hour exam is assessed.

Assessment

Assessment is through the personal investigation component (coursework) 60% and the exam 40% and all takes place in Year 13. Work is assessed across 4 Assessment Objectives. See website for details.

Entry criteria

Students are expected to have gained a grade 6 at GCSE or a very strong grade 5 with the endorsement of their GCSE teacher. Students who have not taken the subject at GCSE should present a portfolio for consideration.

Outside the classroom

We believe that it is important for Photography student's education to take them to see artwork in the context of museums and galleries. Trips to London, St Ives, and Plymouth are a regular part of our calendar. We also work with local Photographers on projects with students, this gives them the chance to work alongside professional photographers. Photographers involved have been Karl Mackie, Alan Forrester and Adj Brown.



A Level Physics OCR A

Find out more



LINEAR

Why study Physics?

Physics is the study of how the universe works at the most basic level. It is an awe-inspiring subject that explains how the universe operates from the subatomic particles made in particle accelerators to the creation of the universe and the interaction of galaxies. This course is ideal for any student who wishes to find out why the sky is blue and why the earth goes around.

About the course

Physics is a challenging yet interesting course to study that requires intelligence and a high work ethic. This is recognised by both employers and higher education establishments of all course types. A career in Physics offers a huge variety of opportunities in a wide range of different fields. It is useful in opening pathways into other careers such as engineering, medical physics, finance, programming and many more options beyond the study of pure physics research.

Year 12

In Year 12 students study the following modules

Module 1 – Development of practical skills in Physics
Module 2 – Foundations of Physics
Module 3 – Forces and motion
Module 4 – Electrons, waves, and photons

Year 13

In Year 13 in addition to the above modules, A2 Physics students will also study
Module 5 – Newtonian World and Astrophysics
Module 6 – Particles and medical Physics

Assessment

Year 13 - Students will sit a total of three papers in their final year

A Level Paper 1 – Modelling Physics
A Level paper 2 – Exploring Physics
A Level paper 3 – Unified Physics

A Level Practical Endorsement – teacher assessed practical skill will be tested throughout external assessment papers.

Entry criteria

Students need a grade 6 in GCSE Double Science (combined) or Triple Science. We require that students have achieved a minimum of a grade 6 in all Physics external exam modules and a grade 6 in GCSE Maths.

Outside the classroom

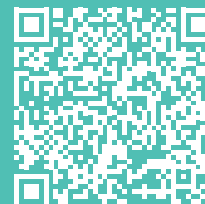
Students must put in several hours each week outside of the classroom to consolidate their learning. We ask for students to put in two hours of independent study for every hour of lesson time. Some aspects of the course require independent learning and research. Homework in the form of worksheets, online task and FOT sheets are set regularly, and students will be given individual targets and feedback

which they must respond to. All deadlines must be met, and work must always be completed. Students must produce quality notes and revision material in their own time and are expected to regularly carry out wider reading around their subject.



A Level Physical Education AQA

Find out more



LINEAR

Why study Physical Education?

If you are interested in the science and history behind sport, this is the right course for you. What happens to Mo Farah's body when performing? How does this differ to Usain Bolt? What impact does UK Sport have on our Olympic athletes? These are all areas you will study during the course.

About the course

PE A Level develops the students' knowledge and understanding of sport science, psychology, biomechanics, effects on society and the use of technology. We offer a two-year linear A Level, studying eight different theoretical areas, as well as performing and analysing one sport

Year 12

Applied anatomy and exercise physiology. Students will develop knowledge and understanding of the changes within the body systems prior to exercise, during exercise of differing intensities and during recovery. The use of energy systems during different types of physical activity and sport, and the recovery process.

Skill acquisition

This focuses on how skill is acquired and how it impacts performance. Students will develop knowledge and understanding of the principles required to optimise learning of new skills, and the development of existing skills related to sporting movements. It investigates areas a variety of areas: how we learn new skills? or what affects our reaction time?

Sport and society

Students will develop knowledge and understanding of the interaction between, sport and society, the history of sport and the development of sport in the UK. You will understand why some sports receive funding and other do not and the impact campaigns such as 'This Girl Can' have in the UK.

Year 13

Biomechanics in sport.

This looks at the science of how our body moves in the way that it does. It explores how forces have an impact on sporting performance and how we use levers in our body to produce movement.

Sports injuries and rehabilitation

This looks at the different types of injuries, how we can prevent them, recovery from injury and the use of different rehabilitation methods.

Sports psychology

This looks at all aspects of psychology that impacts a performer. It looks at different theories and how we can implement strategies to help us perform to a higher level.

Technology in sport

In the Technology in sport unit, students will develop an understanding of how technological developments in physical activity and sport have led to increased sporting performance and a million-pound industry.

Assessment

Written exams 2 x 2hr exam = 70%

Practical performance assessment- 30% (Consisting of 15% practical assessment and 15% written analysis of performance.)

Sports can include:

Athletics, swimming, boxing, hockey, tennis, football, golf, rugby, netball, cricket, and equestrian. (One sport assessed)

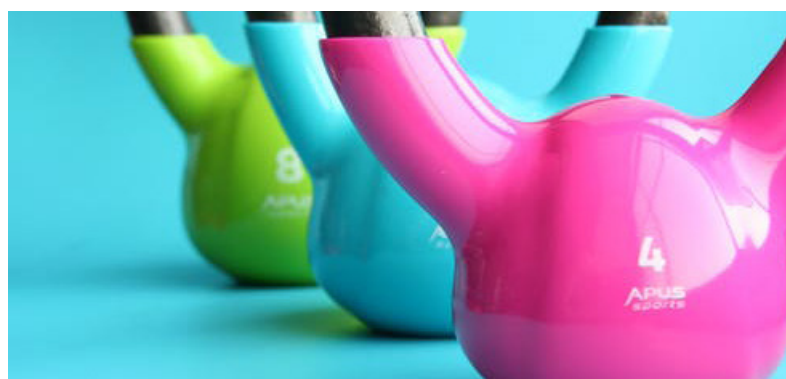
See the AQA website or member of PE staff for information on other sports.

Entry criteria

Candidates will need to have achieved grade 5 in English, Maths and Science, and 2 other GCSEs at grade 5 and above.

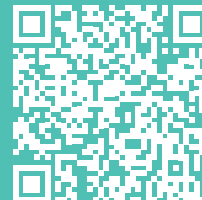
Outside the classroom

Students need to be consistently performing at club level standard in their chosen sport and regularly training throughout the two years.



A Level Psychology AQA

Find out more



LINEAR

Why study Psychology?

Psychology looks at the ways people think, act, react, and interact. It is the study of human (and animal) behaviour, and the thoughts and emotions that influence behaviour in all walks of life. Taking AQA A Level Psychology at NT offers students an engaging and effective introduction to the subject, which many choose to continue at degree level. You will learn the fundamentals of Psychology and develop skills valued by Higher Education (HE) and employers, including critical analysis, independent thinking and research.

About the course

AQA Psychology A Level offers an engaging and effective introduction to Psychology which will appeal to a cross-section of students. As Psychology is an academically rigorous subject, students will be required to have gained the entry level criteria stated below. Over the 2 year course students will investigate the impact that Psychological research has had on many areas, such as the way eyewitnesses are interviewed and explanations and treatments of mental health issues and addictions, allowing them to gain a deeper understanding of the way in which people interact and explanations for any deviance from societal norms.

Year 12

Paper 1: Introductory Topics in Psychology

Social influence looks at explanations for conformity and obedience, and reasons why some people resist authority. **Memory** looks at how the memory works and models of memory whilst exploring the different types of memory. Students will also look at factors affecting eyewitness testimony and the accuracy of them.

Attachment looks at caregiver-infant interactions and explanations of attachment, including cultural variations within them. Students will also learn what happens if those caregiver- infant interactions don't happen or are disrupted.

Psychopathology looks at definitions of abnormality and the characteristics, explanations and treatments for phobias, depression, and obsessive-compulsive disorder.

Paper 2: Psychology in Context

Approaches in Psychology looks at Learning, Biological, Cognitive, Psychodynamic and Humanistic approaches to explaining behaviour. It will also look at comparisons of each approach.

Biopsychology how the divisions of the nervous system interacts with the outside world and how medication, such as anti-depressants, work. Students will learn which areas of the brain are linked to certain actions, and how the brain can work to 'repair' itself after trauma. We also look at the ways in which different biological rhythms interact with the environment to keep the body in synch with the outside world.

Research Methods focuses on the scientific processes underpinning psychological research and the techniques used for data handling and analysis. It's taught at the start of Year 12 as a standalone topic but is embedded throughout all the other topics.

Please be aware that overall, a minimum of 10% of the marks in assessments for Psychology will require the use of mathematical skills

Year 13

Paper 3: 'Issues and Options in Psychology' Issues and debates in Psychology is a compulsory unit that looks at issues such as gender bias, free will and determinism, nature/nurture, and ethical issues.

All of the other questions in Paper 3 are chosen from 3 options per section: Option 1 – Relationships:

In this topic we look at topics such as evolutionary explanations for partner preference, factors affecting romantic relationships, stages of relationships and breakdown and virtual and parasocial relationships.

Option 2 - Eating behaviour:

In this topic we look at a variety of explanations for food preferences, biological and psychological explanations for anorexia and obesity and explanations for the success and failure of dieting.

Option 3 – Addiction:

In this topic we look at risk factors associated with addiction, biological and psychological explanations for nicotine and gambling addictions, ways to reduce addiction and how to application of these theories to change behaviour.

Assessment

All assessments are in the form of written examinations, with a variety of shorter and extended 16-mark responses required. At the end of Year 13 there will be 3 exams, which are 2 hours each and are a total of 96 marks per paper.

Entry criteria

English and Science (or Biology if it's triple Science) at a 6 or above. Maths at 5 or above.

Outside the classroom

There will be an opportunity to attend student conferences in places such as Bristol and/or London. These will be presented by Senior Psychology lecturers and examiners who contribute towards writing the text books and examinations, offering students the opportunity to ask questions and gain insight into what's required in the examinations to reinforce and enhance revision strategies.



A Level Politics Edexcel

Find out more



LINEAR

Why study Politics?

The study of Politics will encourage students to develop their independent research and thinking skills to consider the impact of democratic change over the past one hundred years, and how medieval society shapes the foundations of Britain today. Students will be empowered to confidently reach their own conclusions of historic political ideas based on their analysis of a range of sources, consideration of knowledge and their own personal beliefs. Students will be encouraged to actively participate in all lessons to discuss and share ideas. The skills of discussion, decision making, and analyses are all highly valued in both the working world especially in fields such as law, journalism and management, as well as in further education.

About the course

Newquay Tretherras is embracing the changes in the A Level to explore and investigate in detail how people and politics interact. They will explore the emergence and development of the UK's democratic system and the similarities, differences, connections, and parallels between direct and indirect democracy. They will focus on the role and scope of political parties that are so central to contemporary politics, including the significance of the manifestos they publish at election time and their relevance to the mandate of the resulting government. Students will understand the individual in the political process and their relationship with the state and their fellow citizens and how electoral systems in the UK operate and how individuals and groups are influenced in their voting behaviour and political actions. Finally, they will examine the role of the media in contemporary politics. It will also give students an understanding of voting patterns and voting behaviour. There will also be an American political option in Year 13: The USA has been considered by some to be a 'beacon of democracy'. As a world power, understanding the nature of US democracy, and the debates surrounding it, is crucial given the considerable impact that the USA has on UK, European and global politics, and hopefully this A level will allow them to critically analyse the political world around them.

Year 12

In Year 12 students follow two components:

1. UK Politics: 50% of the course. This section explores the nature of politics and how people engage in the political process in the UK.
2. UK Government: 50% of the course. This component is fundamental to understanding the nature of UK government, since it enables students to understand where, how and by whom political decisions are made. The component also gives students a base of comparison to other political systems.

Year 13

In Year 13 there are three components.

1. UK Politics and Core Political Ideas: This section allows students to understand the individual in the political process and their relationship with the state and their fellow citizens. Students will examine how electoral systems in the UK operate and how individuals and groups are influenced in their voting behaviour and political actions. This component will further examine the role of the media in contemporary politics. It will also give students an understanding of voting patterns and voting behaviour.

2. UK Government and Non-core Political Ideas: There are two sections within this component, UK Government and Political Ideas. Students study UK Government and one political idea from a choice of five from the Political Ideas section.

3. Comparative Politics USA: Students will explore the US Constitution and the arguments surrounding this guiding document of US democracy. The impact of the US government on the world beyond its borders is increasingly a feature of international politics. Students will begin to engage with this interaction by comparing politics and institutions in the US with those in the UK. There are three exam papers in Year 13. Each is 2 hours long and worth 84 marks.

Entry criteria

Students need to have a grade 6 in either History or English.

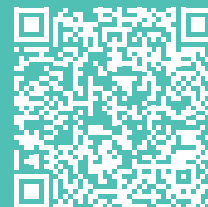
Outside the classroom

Year 12 and 13 have the opportunity to join in department trips linked with History. There will be a chance to visit London to support the learning for both papers 1 & 3.



A Level Religious Studies OCR

Find out more



LINEAR

Why study Ethics & Philosophy?

Having an open mind is a crucial skill in life and no subject will open your mind quite like this one. Whilst you might not use the content very often in future life, we will teach you vital critical and analytical skills that are highly valued in both the workplace and at universities. This is a rigorous and academic subject that is not for the faint hearted and we guarantee that it will change your outlook on life.

About the course

This course takes a wide-ranging look at the critical traditions of western ideas, covering Philosophy, Ethics and Christian Thought – we cover everything from the creation of the universe to the existence of evil. You will be taught by Mr Fern and Miss Barber who are both subject specialists.

Year 12

We will introduce you to some of the core concepts that underpin the western philosophical tradition – things like the nature of God and arguments for His existence, concepts of morality and the nature of the self. We consider whether or not we have a soul, whether evil is a thing (and if it is, what does that mean for God?) and what potentially awaits us after death. We also consider ethical theories like Utilitarianism and Natural Law and apply them to real world contexts like business practices and euthanasia.

Year 13

Developing on the core ideas in Year 12 we look at issues like the rise of Secularism and the place that Christianity has in the world today. We consider theories of conscience, the philosophy of language and the nature of time as well as issues of sex, gender, and the Christian use of Marxism

Assessment

Three 2-hour external exams at the end of Year13. One on Philosophy, one on Ethical Theories and one on Christian Thought. You will answer three questions from four options, each of which is worth 40 marks.

Entry criteria

Grade 6 in either English Literature/Language and a 6 in one other essay-based humanities subject (History, Geography, Sociology, RP etc) – You do not need to have studied EP at GCSE.

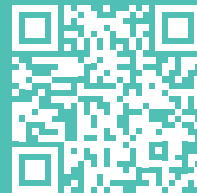
Outside the classroom

Preparatory reading for lessons and essay planning/ writing on a regular basis



A Level Sociology AQA

Find out more



LINEAR

Why study Sociology

Sociology is the study of society, explanations of social behaviour and an exploration into individuals' relationship with society. You will gain a greater understanding of issues surrounding the criminal justice system, the education system, families, the mass media, religion, social class, race, and gender. Sociology never stands still; it is a subject which is ever evolving and has direct links to the world we live in.

Academic qualifications in Sociology provide students with valuable analytical and evaluative skills which are highly valued by many universities and employers alike. Sociology is a popular degree course and recent Year 13 cohorts have gone on to study degree courses in Criminology, Law, Nursing, Physiotherapy, Midwifery, Teaching and Social Work. Previous students have also gone into the Police and the Civil Service. Sociology can give students an edge, particularly in interviews, as they can often demonstrate a wider understanding of society, and its impact on people lives.

About the course

Paper 1- Education with Theory
Methods Education
Methods in Context

Paper 2: Topics in Sociology Families and Households
Beliefs in Society or Stratification and Differentiation

Paper 3 – Crime and Deviance with Theory and Methods
Crime and Deviance
Theory and Methods

Year 12

In Year 12 you will be introduced to key sociological concepts, theories, and methods. These will be explored in the context of education and families and households.

Year 13

In Year 13 you will develop this sociological understanding and apply your knowledge and skills of critical analysis to crime and issues of stratification in society.

Assessment

You will be formally assessed at the end of your second year, with three 2 hour written exams; all worth 80 marks each (33.3% of A Level). Questions are comprised of both shorter answer questions and extended writing.

Entry criteria

It is not a course requirement that students have taken Sociology at GCSE, but they will need grade 6 in English or a Humanities subject as an entry requirement.

You will also be expected to be able to work independently, have strong literacy skills, read texts, and make notes and engage in discussion and debate. Whilst these skills will be

taught alongside the course content, it is important that you are confident and happy to write in depth and detail. You must be open to thinking critically and independently to develop a critical and informed understanding of the world around you.

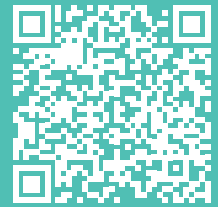
Outside the classroom

Sociology is all about the real world. As such, it is essential that you are interested in current affairs, and you will benefit from keeping up to date with the news. Students will have the opportunity to attend sociology conferences, visit university campuses and take part in field work in real life contexts.



A Level Spanish AQA

Find out more



LINEAR

Why study Spanish?

Languages are an essential part of our international, intercultural world in which we live. Studying Languages equips students with a skill for life which will broaden horizons, increase employability and enable them to have the confidence to venture out into the world and discover new places and cultures. Language learning also develops critical thinking, research and communication skills, helping students prepare for higher education and gives them access to a wide range of exciting future careers.

Spanish is an ever-increasing popular language and is the third most widely spoken language in the world, opening up doors to not only Spain but also the whole of South America! A Level Spanish will foster an appreciation for the language and an awareness of many cultural aspects of the Spanish-speaking world including, literature, film, history and politics.

About the course

Spanish A level develops a student's knowledge and use of the language, building confidence and fluency throughout the course. Students will broaden their vocabulary and their grammatical knowledge to be able to use the language independently whilst developing their understanding of topics relating to Hispanic Society, Politics and Culture. All 4 skills, Reading, Writing, Speaking and Listening will be practiced in a variety of different contexts and situations. We offer a two-year linear A Level with the option to complete the AS qualification at the end of the first year.

Year 12

In Year 12 students' study two main themes covering aspects of Hispanic Society and Artistic Culture in the Hispanic World. In the first theme students learn about the changing nature of Family Life, gaining an understanding of trends in marriage and how modern and traditional values differ. They will also learn about Equality of the Sexes and Gay Rights in Spanish speaking countries and the use of New Technologies and the influence they have on society today. The second theme teaches about Popular culture and the impact that artists from the world of Music, TV and Fashion have on our society. Students will also learn about Spanish Regional Identity through studying Spanish customs and traditions such as fiestas, food, art, architecture and languages. They will acquire knowledge of Film studies when they study a film by a Spanish director, enhancing their ability to evaluate and analyse.

Year 13

In Year 13, we focus on the current topics of Multiculturalism and Political Life in the Hispanic World. Students develop an understanding of Immigration and Racism and the way in which cultures coexist and integrate in today's society. In the second topic students learn about the importance of politics in the lives of young people and they delve into the interesting world of the Spanish Monarchy and Dictatorships and the power of popular movements in creating a change to the world we live in. Students also get to complete an individual research project. They may choose any topic

of their choice, linked to the Spanish-speaking world to research and they prepare a presentation on their chosen topic for the speaking exam. A book by a Spanish author is taught during this year too, giving further insight into the culture of Spain.

Assessment

Assessment is through three separate papers. Paper 1 worth 50%, of the grade is an exam in Reading, Listening, Writing and Translation into English. Paper 2 is a 2-hour writing paper worth 20% of the grade and includes a translation into Spanish (100 words) and 2 essay questions, one on the book and the other on the film studied. Paper 3 is the Speaking exam which lasts 16 minutes, worth 30% of the grade. This involves students discussing a sub- theme from the year for 5 minutes and then doing a 2-minute presentation and discussion for 10 minutes on an individual project chosen by the student.

Entry criteria

Students are required to achieve a level 6 at GCSE to be able to study Languages at A level.

Outside the classroom

Students have regular contact with a Foreign Language Assistant to develop their conversational skills and fluency.

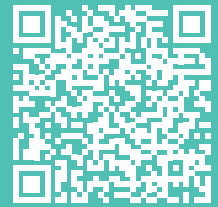


"For me, A Level Spanish was challenging but very rewarding at the same time. At the moment I am in my second year at Marjons doing my Primary Teaching degree. I found that by having an A Level in Spanish, it allowed me to go on to do MFL as my specialist subject and since then the opportunities have been endless."

Hannah Jenkin

Level 3 Business Studies OCR (Cambridge Technical)

Find out more



MODULAR

Why study Business?

Tech to trading. Branding. Target markets. Whether it's the financial side of business, the advertising and marketing elements, or customer service, we all deal with businesses on a day-to-day basis. This exciting course encourages students to delve further into the world of business, working with local organisations to develop their understanding, whilst gaining the real-world skills which they will need to succeed in the workplace. Students will learn a wide range of business skills, from Marketing and Market Research through to Customer Service, whilst focusing throughout on the world of business around them. Business can be studied as a 'Single' (1 A Level) Extended Certificate or a 'Double' (2 A Level) Diploma Award, where students follow the exciting Marketing specialist pathway. Further information about both courses is available from Mrs Bissenden, Miss Cubbison or Mr Attwell.

About the course

The Extended Certificate (1 A Level equivalent) in Business comprises two exams over two years, and three portfolios of coursework. The coursework elements are focused on local organisations providing students with the opportunity to work with actual businesses, building links whilst learning how the world of business operates not only on a global scale, but locally as well.

Year 12

In Year 12 we complete three units – 'The business environment' which is assessed through a 1hr 30 exam in January, followed by 'customers and communication' as our coursework unit before preparing for our second exam to be sat in June, centred on 'working in business'. Over the last few years students have had the opportunity to work with The Headland Hotel, and Plastic Free Newquay on real world projects based around business ideas. The business environment encompasses the key ideas of business, including business finance, providing students with an overview of all the elements which are required when setting up and running their own business, as well as how to manage the different requirements of working in businesses of different types. Double award Diploma students also sit an exam in 'business decisions', a coursework portfolio in 'marketing strategy' and finally an exam in 'change management'.

Year 13

In Year 13 we complete two units – 'marketing and market research' and 'principles of project management', both of which are assessed via portfolio. Double award Business students will be able to continue their focus on the Marketing specialism by bringing to life a 'marketing campaign' and develop key skills in 'delivering a business project'.

Assessment

Two exams and one coursework portfolio in the first year. Two coursework portfolios in the second year. This provides students with a supportive method of assessment throughout

their time on the course. The double award entails four exams and six units of coursework over the two years of study.

Entry criteria

No previous knowledge of business is required; however, we do ask for students to have grade 5 in English and Maths.

Outside of the Classroom

Students can work closely with organisations in the local area which has in the past, led to work experience opportunities as well as holiday jobs in certain cases. There will be the opportunity to work with universities, allowing students to visit lectures and gain a further insight into where their studies can take them.



Level 3 Certificate in Health and Social OCR (Cambridge Technical)

Find out more



MODULAR

Why study Health and Social Care?

With the demographics in the UK changing rapidly and the population living longer, the health and social care sectors will experience huge growth over the next few years. For those wishing to work in these sectors, this qualification provides a solid foundation of knowledge, practical skills, and experience.

About the course

We will help you develop professional and personal skills through interaction with people who either work in the sector or require care or support, as well as theoretical knowledge and understanding to underpin your skills.

You will learn about specific, person-centred care and support and build positive relationships with the people you may work with. You will consider the real impacts to people living with conditions or illnesses such as the social, financial, and psychological impacts, not just the signs, symptoms and treatment of faceless conditions or illnesses.

You will also learn about the legislation and guidance supporting health and social care, so that you can ensure the people they are working with are not only able to access all the care and support they are entitled to but are also able to protect themselves from any harm or abuse whilst at work.

This course helps you prepare for university or apprenticeships once leaving the Sixth Form. Many pupils have secured places on Midwifery and Child and Adult Nursing courses. Some pupils have also gone into teaching or apprenticeships in Childcare.

You have the option of completing an Extended Certificate (equivalent to one A Level), Diploma (Two A Level) or an Extended Diploma (Three A Level). We often have visiting practitioners come in and discuss their vocations to help pupils apply their understanding.

Assessment

Unlike A Levels you have the option to retake your unit exams, giving you the option to improve, there are two exam sittings each year, in January or June.

The Extended Certificate is 50% coursework and 50% exams that is split over the two years. The Diploma is composed of seven pieces of coursework and five exams.

The extended diploma is composed of eleven pieces of coursework and six exams. With this course you have the option of specialising in your final coursework unit to either focus on children, young people, or the elderly.

Entry criteria

You need to have achieved three grade 5's, including Science.

Outside the classroom

University for a Health Taster Day. Students are also given support to help them apply for work experience in their chosen field or volunteering at Treliske Hospital.

We offer students the opportunity to visit Plymouth University.

I studied Health and Social care at Newquay Tretherras Sixth Form and loved it! I am now deputy manager at Little Lambs Child Care and loving my job. The course really prepared for this vocation.

Jordanne Williams



Minor Injuries

In Minor Injuries we treat people who are not in immediate danger of injury or illness.

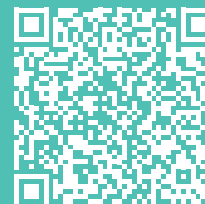


Studying Health and Social Care whilst at Sixth Form allowed me to get a great baseline understanding before starting my course with Plymouth University to become a children's nurse. I have now been a registered nurse for just over six months and work as a specialist children's nurse in the emergency department. I love my job and every day is different. I am constantly learning, and the job is very rewarding!

Bethany Wilton

Applied Science BTEC

Find out more



MODULAR

Why study BTEC Applied Science?

The BTEC in Applied Science offers students the chance to continue their studies of all three sciences but in vocational scenarios, with less emphasis on examinations than the A Level science courses. We offer the Extended Diploma, which is a full time, three A Level equivalent qualification or Diploma (two A Levels) or Extended Certificate (one A Level).

For anyone who sees their future career in Science the Level 3 Extended Diploma in Applied Science is an excellent starting point. It covers a wide range of topics across Biology, Chemistry and Physics and will allow you to acquire a high level of practical laboratory skills from which the theory is then drawn.

About the course

This BTEC course is very practical with plenty of opportunities to implement the theory that you learn. It is mainly coursework based, which means that you have a very clear understanding of your progress throughout the course, to help you plan and achieve your next steps. Students gain valuable organisational, time management and study skills to equip them well to continue learning on higher education courses and throughout their career.

Taught by subject specialists, you will learn by completing laboratory-based practical assignments, supported self-study assignments and presentations that are based on real workplace situations, activities and demands. The course has a strong focus on developing practical skills within the laboratory and learning how science is carried out in industry. This is underpinned by the study of the key theoretical concepts and scientific principles common to all science courses. As a wide ranging and varied course, the options for progressing into higher education and employment are also extremely varied:

- Pure Sciences (Biology, Chemistry, Physics)
- Biomedical science
- Healthcare science
- Pharmacy, Radiography, Nursing, Midwifery
- Engineering

Assessment

Spread over Year 12 and 13

- 58% coursework assessed (42% examined)
- SEVEN MANDATORY UNITS:
- Two assessed by written exam. Biology, Chemistry and Physics content:
 - Unit 1. Principles and Applications of Science.
 - Unit 5. Principles and Applications of Science II
- Two assessed by task.
 - Unit 3. Science Investigation Skills - Practical exam
 - Unit 7. Contemporary Issues in Science – analysing scientific articles.
- Three assessed by coursework - All practical based assignments.
 - Unit 2. Practical Scientific Procedures and Techniques.
 - Unit 4. Laboratory Techniques and their Application.
 - Unit 6. Investigative Project.

- Unit 4. Laboratory Techniques and their Application.
- Unit 6. Investigative Project.
- SIX OPTIONAL UNITS:
 - Physiology of human body systems.
 - Diseases and Infections.
 - Medical Physics Applications.
 - Fire investigation.
 - Forensic investigation.
 - Biomedical science.

Entry requirements

Minimum grade 44 in Double Science and a grade 4 in GCSE Mathematics or English

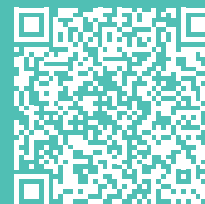
Outside the classroom

Visits by fire and forensics experts plus visit to industrial laboratories.



Level 3 Sports Performance and Fitness Instructing OCR (Cambridge Technical)

Find out more



MODULAR

Why study CT PE

Sport is now such a huge industry that there are numerous university courses and employment opportunities including: Coaching, biomechanics, sports rehabilitation, health and fitness, officiating, sports technology, sports management and strength and conditioning. Apprenticeships also are available in several sectors including school sports assistants, sports coaches and fitness instructors. This course is designed to give students the entry requirements to get into university, as well as gaining the skills for employment or apprenticeships.

About The Course

This is a two-year course that covers a wide range of topics areas which will enable students to get a holistic understanding of the sports industry. This is a unique course allowing students to study sport in a full-time capacity. At the end of the two years students will gain a Triple Award which is equivalent to three A Levels.

Year 12

- Unit 1 – Anatomy and physiology – 1.5hr Exam
- Unit 2 – Sports coaching – Coursework
- Unit 3 – Sport organisations and development – 1hr Exam
- Unit 4 – Working safely in sport and leisure – 1.5hr Exam
- Unit 8 – Organisation of sport - Coursework
- Unit 11 – Physical activity for specific groups – Coursework
- Unit 12 – Nutrition and diet for sport and exercise - Coursework
- Unit 17 – Sports injuries and rehabilitation – Coursework
- Unit 18 – Practical skills in sport and physical activities – Coursework.

Year 13

- Unit 6 – Group exercise to music – Coursework
- Unit 7 – Improving fitness for sport – Coursework
- Unit 10 – Biomechanics in sport – Coursework
- Unit 13 – Health and fitness testing for sport – Coursework
- Unit 14 - Working in active leisure facilities – Coursework
- Unit 19 – Sport Psychology – Coursework
- Unit 21 - Business in sport – 1.5hr Exam

Assessment

The two-year, Triple Diploma course consists of 60% coursework and 40% exams. Students will gain either a Pass, Merit or Distinction grade in each piece of work and in the exams. At the end of the course, they will gain a triple grade e.g. DDD which is equivalent to three A Levels at grade A.

Entry criteria

Grade 4 in Maths, English and Science, and 2 other GCSEs of grade 4 and above.

Outside of the classroom

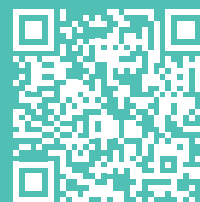
As part of the course students will have the opportunity to complete their Emergency First Aid qualification, as well

as having the opportunity to gain valuable experience of coaching and working in the leisure industry.



HOW TO APPLY

Scan to Apply



MODULAR

TRANSFER EVENING

Our Open Evening takes place on 2nd November 2023 and is an important part of the application process. During the evening, you will be able to meet subject tutors, current Sixth Form students and discuss proposed courses on offer.

THE APPLICATION PROCESS

If you would like to study at Newquay Tretherras Sixth Form, you need to fill out an application form.

This can be completed online via the school website.

<https://nt6.tretherras.net/index.php/how-to-apply-to-nt6/>

- We will ask you to suggest a provisional combination of subjects you are interested in studying.
- We will help you to devise a curriculum which makes it possible for you to study your subject combinations.
- Once we have processed your application form, we will invite you to an application meeting.

APPLICATION MEETINGS

Application meetings will take place in February. They provide an opportunity to discuss your views and questions about Sixth Form issues with a senior member of staff. We will give you an open and honest picture of life in the Sixth Form and advise you on your choice of subjects.

INDUCTION DAY

We will be running an induction day immediately after the GCSE exams finish. This will give you the opportunity to sample Sixth Form lessons and learn more about life at NT6.

ENROLMENT DAY

On your results day you will receive an offer to join Newquay Tretherras Sixth Form. There will be a brief interview confirming subject choices based on your results. You may choose to fine tune your subjects at the beginning of the new academic year in September.

DEGREE APPRENTICESHIP SUCCESS



I have always wanted a career in engineering, and feel so lucky to have secured a degree apprenticeship in Engineering with the Dyson Institute.

At NT6 I studied Maths, Physics and Chemistry, and found that the smaller nature of the Sixth Form (compared with other colleges) really enabled me to flourish in these subjects.

Smaller class sizes meant that I built close relationships with teachers and peers; all helping to create an environment where I felt motivated, understood and confident to ask questions. Staff were also incredibly supportive during the application process for my Higher education course. They helped to co-ordinate my personal statement and gave guidance which prepared me for the interviews.

NT6 not only supported my academic achievements, but also helped me to build confidence and taught me how to become a much more independent learner.



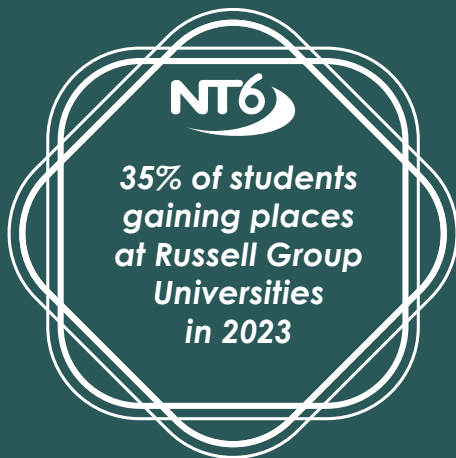
DEGREE APPRENTICESHIP SUCCESS



A degree apprenticeship is a route that will allow me to study for a degree in software engineering, whilst applying my skills within the work setting. This pathway not only facilitates a degree without debt but will give me real life experience working alongside other current engineers to gain an insight both from a technical viewpoint, to help with my projects but also giving me a better understanding of the future pathway I could take after my apprenticeship.

As a student at Newquay Tretherras I studied Maths, Chemistry, Biology and Computer Science. Taking 4 subjects and maintaining these through both years at A level is something that I would recommend for everyone. This allowed me to keep my options open and learn a wide range of skills.

Lowen Mears-Ollerenshaw.



90% of lessons
graded
outstanding and
good by students



Successful medical
applications every
year since 2012



Successful
Oxbridge
candidates every
year since 2012



Mentoring
programme to help
students achieve
the highest grades



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Newquay Tretherras, Sixth Form.

Trevenson Road, Newquay, Cornwall, TR7 3BH

All information correct at time of print. Prospective students should check with Newquay Tretherras Sixth Form for up-to-date information. This document is a guide for the information of student and parents. It is not intended to create a contractual relationship. Courses and other details may be modified if necessary. Programmes of study leading to qualification are subject to the approval and regulations of awarding bodies. Images take prior to Covid-19 pandemic. Many thanks to all our student, past and present, who appear in this prospectus.



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NEWQUAY TRETHERRAS