




TRURO
SCHOOL

2020



5TH YEAR AND
UPPER SIXTH
ACADEMIC
ENRICHMENT
PROGRAMME



ENHANCEMENT AND ENRICHMENT PROGRAMME

With the A Level and GCSE course consolidation scheduled to end this week, we are pleased to share the details of our academic enhancement and enrichment programmes for the summer term, to commence on Monday 4th May.

The cancellation of summer public examinations has led to disappointment and uncertainty for staff, students and parents alike. However, as we approach the time that students would normally stop attending school to go on supported study leave, we have an excellent opportunity to prepare our students for their next steps in ways that have not been possible before. Our teaching staff have, with enthusiasm, been putting together an academic

programme that will inspire, stretch and prepare students as they advance to the next stages of their education or careers. The teachers are excited to be able to demonstrate some of their expertise that we cannot normally cover under the constraints of the public exam syllabi. They are skills focussed and will give each student a head start whether that be studying A Levels, university degrees or entering the world of work.

Shaun Pope

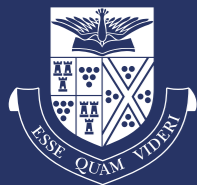
DEPUTY HEAD (ACADEMIC)
SHAUN POPE

As you read on, you will see – if you didn't know already – the incredible talent and variety of interests that exists within our teaching body. It's a great thing that they are offering such a breadth of fascinating courses for our students. This has been a very difficult time for the students, what with the cancellation of their exams, but out of this has come an opportunity that they would not otherwise have had. I hope they grasp this with both hands and make the most of it. You can be sure that our teachers will be working hard to make this a great success.

ANDREW GORDON-BROWN
HEADMASTER

5TH YEAR
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~
SIXTH FORM
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5TH YEAR PUPILS

5th Years will move to the Sixth Form timetable from 4th May and essentially become members of our Sixth Form.

Departments will set up study groups in TEAMS and communicate the timing of live sessions, seminars and discussions through that medium. The students should record this information perhaps using their electronic diaries in Outlook. They will choose from the electives, set out in the table below, according to their interests.

The large majority of our students who are advancing to our Sixth Form will be automatically allocated to their A level subject choices. If students are studying 3 A Levels they are encouraged to perhaps choose a 4th elective to broaden their horizon, and a maximum of 5 will be possible.

Electives for the Leiths Course in Food and Wine and the Extended Project Qualification are also provided and are open to students who have not, as yet, opted for them. Students can therefore study 4 Pre A Level electives plus EPQ or Leiths.

Students will sign up with their tutors in TEAMS and we will do our best to get students assigned to their elected course choices. Due to timetabling constraints, not all combinations opted for next year will be possible and there may be clashes with live sessions on occasions but the material will be made available for students to study outside of these times.

Students moving on to study different qualifications can elect to study subjects that reflect their interests as the courses are designed to focus on skills development rather than subject content. Form tutors are on hand to guide them in this process. Many of the 5th year electives will prepare students for a wide range of future study and they should choose subjects they enjoy.

The 5th Years will move to a Sixth Form style learning and there will be a mixture of teacher led sessions and private study just as in the Sixth Form. Help can be sorted through TEAMS as now.

Art 'Through the Lockdown' project (a creative Arts collaboration)

Art (and collaborating departments)

Students will have the opportunity to create work inspired from the lockdown experience (both positive and negative) through Art and Design, Music, Design and Technology and Drama.

From the Art department perspective, we will look at thinking creatively through 2D, 3D, new media and photography and film. We will be encouraging students to work across subjects and work with Artists around the world including Valeria Duca, a notable alumni. The hope is to have an ARTS EXPO in the autumn or when we return to school to exhibit the students' work.

Elective suitable for: Anyone and of course students of Creative Arts A Level

Developing skills within and a deeper understanding of aspects of Biological Sciences

Biology

This course will give an opportunity to extend knowledge beyond the curriculum.

Students will develop their skills through context driven seminars on aspects such as COVID-19, Vaccination, Marine Biology, Aseptic Techniques, Population Genetics and will develop their statistical skills which are a major component of A Level study in Biology.

Elective suitable for: Students going on to study A Level Biology, Human Biology or any science at a higher level.

An introduction to business skills for A Level through the backdrop of coronavirus

Business Studies

This course will introduce A Level Business Studies and will consolidate/advance many of the skills which will help students succeed at A Level. This will be done through a number of contexts against a backdrop of the effects of coronavirus on business.

Elective suitable for: Students opting for A Level Business studies. The analysis skills will be useful to studies of many subjects.

Advanced Chemistry

Chemistry

This course is appropriate for anyone studying Chemistry at a higher level and covers trouble shooting and problem solving skills in a variety of chemistry contexts such as shapes of molecules, theoretical yield, electronic configuration.

Elective suitable for: Those wishing to study Chemistry at A Level or students who enjoy chemistry and who want to extend their understanding.

Advanced Programming and Coding Skills

Computer Science

This is a rare opportunity to enhance coding skills focussed upon developing coding capability and an ideal way to get ahead prior to an A Level course in Computer Science.

Elective suitable for: Students who are going on to study Computer Science A Level or who have an interest in coding.

Design and Technology 'Through the Lockdown' project (a creative Arts collaboration)

Design

As part of an exciting and innovative collaboration of the Music, Art, Drama and DT departments, with an opportunity to work on those projects free from the constraints of the GCSE curriculum. The students will develop their design skills through various means including CAD which will step them ahead for A Level.

Elective suitable for: Students opting for an A Level in Design and Technology

Advanced Drama and an opportunity to contribute to the 'Through the Lockdown' project (a creative Arts collaboration)

Drama

Those students studying A Level Drama/Theatre Studies will have the opportunity to study set text and practitioners. There will also be enrichment tasks for those students not opting for A Level. This includes getting involved with the lockdown project through monologues, poems, physical theatre or dance.

Elective suitable for: Theatre Studies A level students and others who enjoy Drama

An introduction to Economics skills for A Level through a backdrop to coronavirus.

Economics

This course will introduce A Level Economics and

will consolidate/advance many of the skills which will help you succeed at A Level. This will be done through a number of contexts including the effect of the coronavirus crisis on petrol prices and linking government macro policy in response to coronavirus to circular flow of income.

Elective suitable for: Students who have opted for A Level Economics and anyone interested in current affairs and in honing their analytical skills

Adventures in Literature

English

This will be an opportunity for students to broaden their reading, vocabulary and cultural understanding. Extend their understanding of the chronology of English Literature. They will foster their creativity, research and collaboration skills and prepare for next steps of study.

Elective suitable for: Students who have opted for A Level English Literature or those who have an interest in English Literature.

Intellectual Development Project

Extended Project Qualification (EPQ)

You will have the opportunity to develop a project outcome on any area of interest.

- Critical thinking skills
- Read academic articles and books efficiently
- Write in an academic style
- Reference a source
- Present information clearly
- Develop public speaking skills for those presenting their work to an audience

Elective suitable for: Anyone! Developing these skills will benefit any future course of study. Students who have opted for the EPQ should attend this.

Developing French skills through study of La famille en voie de changement (The changing family)

French

This course gives students the chance to cement a variety of different skills, including developing their use of tenses, language of discussions and debate, as well as reading for broader understanding. This is achieved through the context of changing family in France, covering topics such as divorce, single parents, single sex parents and gay marriage.

Elective suitable for: Students who have opted for A Level French or who are talented linguists with an interest in French.

An introduction to Advanced Level Geography and associated skills

Geography

Students will have an excellent opportunity to enhance their geographic knowledge and skills through virtual fieldwork, practical application, mapwork, news analysis across a range of topics such as oceans, ecosystems, tectonics and coasts.

Elective suitable for: Students opting for A Level Geography or sciences/humanities. The course would enhance the skills across many A Levels.

Introduction to Geology A Level through Openlearn

Geology

This course will give you an opportunity through seminar and independent study exercise to explore a wide range of topics as great preparation for the A Level. Topics covered will depend on experience.

Units will be provided for those who did not study GCSE Geology such as Metals, Ubiquitous petroleum, breaking and fixing our planet. There will also be units for students who have completed GCSE Geology: the five past mass extinctions, fossil record, the earliest forms of life and extinction and radiation as drivers of change.

Elective suitable for: Students opting for A Level Geology, whether they have done GCSE Geology or not

Developing German skills through studying aspects of German Speaking Society and social development in Germany

German

This course provides students with an excellent opportunity to develop their skills, including extending their vocabulary through use of articles and online, interpreting figures and stats and also expressing opinions to a higher level.

Elective suitable for: Students who have opted for A Level German or who are talented linguists with an interest in German.

Young Historian Research

History

This course is an excellent bridging course for A Level History and puts you ahead on the skills that are required. Topics covered will include British involvement in World Wars 1 and 2, Modern World or Local History

Elective suitable for: Students who have opted for A Level History or have an interest. Skills will enhance many A Levels or future degrees.

Mathematical key skill development

Maths

The enrichment program for the 5th years will provide development of key skills such as algebraic manipulation as well as an introduction to new topics that are part of the Sixth Form course. We will try to cater for different groups based on their 5th Year course (iGCSE / iGCSE with L2 Further Maths) and their chosen course in the Sixth Form (Maths & FM A Level / Maths A Level / Core Maths).

We will also make use of various educational videos and podcasts to broaden the students' interest in maths as a subject that is both fundamental to the way that modern life operates and fascinating for its own sake!

Elective suitable for: Students who have opted for Maths and Further Maths at A Level, students with a high level of maths interested in an engineering career

Music 'Through the Lockdown' project (a creative Arts collaboration) and A Level bridging work

Music

As part of an exciting and innovative collaboration of the Music, Art, Drama and DT departments, from the Music Department angle, we'll work with pupils to prepare, perform and (ideally) notate a piece of music that reflects this whole lockdown/corona virus period. The piece will represent the positive side of this period, and the other, a contrasting side.

The pupils will be able to write in any musical style they prefer and will need to perform their piece on an instrument (or voice) that they can play.

Elective suitable for: GCSE Music students, great preparation for A Level Music and wider creative skills.

Sports nutrition

PE

The food and drink we put in our body, and when, has a direct impact on our everyday health and wellbeing. If a body is not fuelled appropriately then it will not be able to cope with the demands that are put on it, particularly during sport and physical activity.

Getting the right balance of nutrients and keeping the body appropriately hydrated is key to optimal performance which is why, in the UK alone, the sports nutrition market is worth hundreds of millions of pounds. In this unit, students will gain an understanding of what is meant by the term 'balanced diet' as well as the principles behind it, the relationship between energy intake and energy expenditure and how this changes depending on the sport or physical activity taking place and the importance of hydration for performance. They will also gain an insight into the use of nutritional supplements and how these can be used to improve performance in sport and physical activity.

Elective suitable for: Sports nutrition is relevant for any future A level or CTEC PE students or simply anyone with an interest in the science.

Mathematical and practical Physics for A level

Physics

A rare opportunity to enhance Mathematical and practical skills prior to the commencement of an A Level which will aid progress through the next two years. Students will work through topics such as Arithmetical and Numerical computation whilst developing their data handling, algebraic, graphing and geometry skills. Practical skills will look at the uncertainties of data and how to overcome them.

Elective suitable for: Those opting for A Levels in Physics but would also benefit mathematicians.

Introduction to Psychology through the study of the history of the brain and psychological explanations of current affairs.

Psychology

The content of this pre-A Level course is designed to enable a student to develop some basic knowledge of Psychology, a new subject, so that when they start the actual A Level course of study they can "hit the ground running".

Critical thinking and study skill development in this pre A Level course is a foundation for development of these skills at A Level. These skills are suited to all careers. Psychology seeks to explain and manage behaviour, so students go on to a huge range of careers besides being a psychologist; eg medicine/nursing, marketing/business, teaching, performing arts, journalism - any career that involves people. Most students say that they find they use their Psychology A Level knowledge at some point in their university studies and beyond.

Elective suitable for: Students who have opted for Psychology at A Level but will benefit a wide range of A Levels and careers.

An introduction to A Level Religious Studies

Religious Studies

Through a series of live webinars, students will explore a range of skills/topics including ethical decision making, the role of religion/myths and legends on society over time, and getting to know some of the philosophers students will meet in their A Level course.

Elective suitable for: Students who have opted for A Level Religious Studies or will support any in developing their skills of ethical debate.

Developing Spanish skills through studying aspects of Spanish Speaking Society and History.

Spanish

During this course students will develop skills through a variety of means, including exploring Spanish charity "Open Arms" whose aim is to protect those risking their lives at Sea.

Spanish knowledge will be developed through real life situations e.g studying a real conversation between a ship's Commander and the coastguard following a Mayday call. We will then go on to look at cultural identity in Spain and the wider world where Spanish is spoken and also a look at the Spanish Civil War.

There is also the possibility of pursuing the students' preferences e.g. sport film and history.

Elective suitable for: Students opting for Spanish A Level.

Introduction to chef skills

Leiths/Food

A series of key practical skills workshops prior to commencing the Leiths/CTH Professional Chef course.

You will have the opportunity to engage in some practical tasks at home such as knife skills, making mayonnaise, and some key baking tasks with a series of step by step videos recorded by Miss Taylor and AJ, as well as some on-line tasks to ensure you are ready for a swift transition from kitchen porter to commis chef in September.

Elective suitable for: Anyone with an interest and is not limited to those opting for the Leiths/CTH Professional Chef course.



UPPER SIXTH STUDENTS

The staff are really excited to indulge in the passion of their subjects with the Upper Sixth before they leave us and move on to their next steps.

This will lead to deeper learning in a range of contemporary and historical issues. Upper Sixth students will sign up with the tutors to the electives, outlined in the table below, that interest them and are related to the subjects they have studied. This is a golden opportunity to enhance skills before university which will help them navigate their degrees or the world of work afterwards. It is an opportunity to gain wider knowledge and skills which will impress future employers and stand out from others as they move forward.

We are determined to provide the best experience for our students and take advantage of this rare opportunity to deepen the intellectual and creative offering, using the diverse talents and expertise of our staff at this time. We also hope that the continued programme will give the students opportunities to stay connected with each other and us and the school community. The benefits in terms of well being of this has not been lost on us over the last few weeks and has been clearly highlighted. Tutors and teachers will continue to pastorally care for your sons and daughters as

we continue to navigate these challenging times. At no time has the importance of the school's role in the community been more highlighted than now.

Art 'Through the Lockdown' project (a creative Arts collaboration)

Art (and collaborating departments)

Students will have the opportunity to create work inspired from the lockdown experience (both positive and negative) through Art and Design, Music, Design and Technology and Drama. From the Art department perspective, we will look at thinking creatively through 2D, 3D, new media and photography and film. We will be encouraging students to work across subjects and work with Artists around the world including Valeria Duca, a notable alumni. The hope is to have an ARTS EXPO in the autumn or when we return to school to exhibit the students' work.

Elective suitable for: Arts students

Deeper understanding of Biological research through study of Coronaviruses, Pathophysiology Immunology

Biology

This is an opportunity to explore some contemporary hot issues in Biology and deepen students' understanding using the particular knowledge and strength of the Biology Department staff. Topics include Immunology, Pathophysiology and drug development with a backdrop to SARS-CoV-2, the cause of COVID-19.

Elective suitable for: A Level Biology students and anyone wishing to study Biological sciences, human biology, medicine and related disciplines at university.

Chemistry for pre university or life...

Chemistry

This course plays upon the strengths of our excellent Chemistry teachers and offers an opportunity to cover topics such as Controversial Chemicals, Home Brewing Chemistry, Breaking Bad Chemistry and Drug design.

Elective suitable for: A Level Chemistry students. Excellent foundation for any chemistry related degree.

Object Orientated programming and employability skills

Computer Science

This course will develop the programming skills beyond the A Level course and prepare well for degree courses in computing. Those students not continuing with the subject will develop their computing employability skills to aid a future career

Elective suitable for: Anyone who has studied Advanced Level Computer Science in preparation for a degree or career involving aspects of computing.

Design Challenge 'Through the Lockdown' project (a creative Arts collaboration)

Design and Technology

An opportunity to further enhance design skills in areas through a chance to participate in the Lockdown collaboration exhibition and also a competition. Students will respond to a simple

Design Brief that will respond to an element themed around the Coronavirus. Entries may be completed and delivered using whatever resources they have available to them. There does not have to be a manufactured outcome, and concepts may be entirely just that.

They will have a variety of themes to choose from. It will also provide the opportunity for students to be creative, resourceful and innovative, skills which the subject endeavours to develop.

Elective suitable for: This project will benefit anyone planning to progress to degree level in many fields.

Bespoke development in Drama

Drama

Those students who have completed the A Level Drama course will be coached through bespoke enrichment tasks for each individual student based upon a variety of pathways they are taking.

Elective suitable for: Students who have completed the A Level Drama course.

Developing skills for the study of Economics and Business at university

Economics and Business

Rapid research with final year Business and Economics students has developed this pre university course with guided project type work with our teachers. Skills include development of advanced use of Microsoft Excel, a mainstay of university Business/Economics courses, researching and writing academic papers. Students can enrol on a FutureLearn course and have the benefit of guidance from our staff. Other skills developed include quantitative skills, Econometrics and

productive use of time.

Elective suitable for: Anyone enrolling on an economics or business type of degree or career course involving the listed skills.

Further adventures in Literature

English

This will be an opportunity for students to broaden their reading, vocabulary and cultural understanding post the A Level course. They will foster their creativity, research and collaboration skills and prepare for next steps of university. Students will be guided through a number of online opportunities through webinars, podcasts and online courses by weekly touching base with their tutors for recommendations, critiquing, quizzes and discussion.

Elective suitable for: A Level English students or anyone who has a love of literature.

Preparation for university through OpenLearn

Geography

Geography students will be mentored through some online courses which enhance the knowledge of skills and will give them a head start at university through OpenLearn. Topics to be studied could include land grab, ecology and ecosystems and working with our environment which looks at our use of technology and the environment.

Elective suitable for: Students who have completed A Level Geography going on to study any Geography field or working in environmental areas.

Pre university Geology courses through OpenLearn

Geology

This will prepare students for study of Geology at a higher level through exploring Geological Processes in the British Isles and Minerals in the crystalline state. The students will be guided through topics by our expert staff and by completing OpenLearn (open university) online courses. This will put them well ahead as they start Geological degrees.

Elective suitable for: Students of Geology going on to further study in the area at university.

Further enhancement of German linguistic skills

German

Students will extend their German Skills by looking at semantics, semiotics, translation, dubbing and subtitling. They will explore the language further through the use of film and literature skills. Career wise, they will look at translation in practice, marketing literary and political use.

Elective suitable for: Students studying German at university & careers associated with linguistics

Enhancement of History skills prior to university

History

Students will be mentored through research and will be encouraged to enter the Society for Army Historical Research or Julia Wood Essay Competitions. The students will utilise their warfare course materials augmented by online research guided by the staff to do this. An excellent opportunity to get ahead on skills prior to a degree.

Elective suitable for: Students of History going on to study at university.

Developing higher mathematical skills

Maths

For those students who have studied Further maths already we will be able to take them into the world of Partial Differentiation, Multiple Integrals and Fourier Transforms in the comfort of their own homes and with a guide who they know and trust (and can happily ask to explain something again!)

Those who just studied A level will be introduced to topics from the Further Maths course – such as Higher Order Differential Equations and Complex (Imaginary) Numbers, again in a much more supportive environment than they are likely to experience next year.

Elective suitable for: Applicable for a wide range of degrees across mathematics, sciences, engineering and more.

Music theory enhancement and 'Through the Lockdown' project

Music

Students will develop aspects of music theory relative to where they are around aspects of the Grade 8 theory course.

As part of an exciting and innovative collaboration of the Music, Art, Drama and DT departments, from the Music Department angle, we'll work with pupils to prepare, perform and (ideally) notate a piece of music that reflects this whole lockdown/corona virus period. The piece will represent the positive side of this period, and the other, a contrasting side.

Elective suitable for: Students wishing to enhance their creativity skills further and take part in an exciting innovative project to benefit their university or career.

Anatomy

PE

A course covering many aspects of Anatomy that are not covered in A level. The focus of the lessons will be adapted to the interests of the students who sign up.

Elective suitable for: Many undergraduate courses including physiology, medicine, veterinary, nursing, paramedic, sports science

Pre University Physics Course

Physics

An introduction to Special and General Relativity and also an opportunity to study through OpenLearn with the guidance and assistance of our physics teachers on many topics such as Scales in Space and Time, Particle Physics, The science behind Wheeled Sports, Collisions and Conservation Laws, The Big Bang plus many more.

Elective suitable for: A Level Physics students, especially those who have an interest in studying the subject further or engineering.

Applied Psychology

Psychology

The students will enhance and enrich their psychology studies through a wide range of topics beyond the A Level syllabus. These include conflict/ conflict resolution, sports psychology, environmental psychology, animal psychology, marketing/sales, aggression.

Elective suitable for: Students who have completed A Level psychology to broaden their knowledge prior to a degree and stand out.

Deeper Insights into Philosophy, Ethics & Theology

Religious Studies

Students will be exploring wider related areas of Philosophy, Ethics and Theology including many degree level facets of this subject which will enhance the students as they move on to their next steps. This includes the following topic areas: Free Will and Determinism, Environmental Ethics, Virtue Ethics and Existentialism.

Elective suitable for: Students preparing for degrees in related subjects

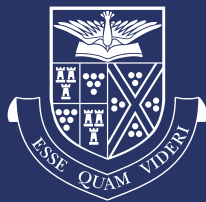
Cultural study of Spanish Film and Venezuelan Culture

Spanish

This course will explore Spanish Film under the 20th Century dictator, Franco. Students will then go on to explore the influence on cinema and society by the prominent Spanish director and filmmaker Pedro Almodovar who rose to prominence after the end of Francoist Spain.

The latter half of the course will examine Contemporary Venezuelan Culture and also the Novel 'El Otro Arbol de Guernica' which explores the plight of a group of children through the Spanish Civil War.

Elective suitable for: Students who have completed A Level Spanish and want to broaden their horizons to Spanish speaking culture or prepare for associated studies at university.



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