
2020/21

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# THE WHITBY SIXTH FORM

6

2020/21

# DEAR STUDENTS

On the next page are the options blocks for Year 12 2020/21. Students will study three subjects for two years. They can choose one subject from any one block. There is some entry guidance with each subject. The usual entry pattern into Y12 is a base of 4+ in GCSE English and Maths alongside additional requirements for each subject. Students will be entered for a resit GCSE English or Maths if they just miss their 4.

All of our courses are Level 3 – this means that they are either A' Level or equivalent. Subjects prefixed with 'L3' are now known as Applied General subjects. These are more coursework and skills-based with a small examined component. Universities and employers readily accept all of the qualifications on offer, all carry UCAS points for university applications. As a guide – a Distinction* in a L3 course carries the same number of UCAS points as an A* at A' Level.

Students can choose to study a full A' level, full L3 or a combination programme. They should choose what they enjoy and will succeed in, as well as keeping in mind the subjects that they need for specific ambitions. There is some really useful information here https://university.which.co.uk/advice/a-level-choices.

The subjects offered on the next page are offered on the basis of sufficient numbers of students opting. Courses may not run if numbers are too low.

Mr B Heeley
Headteacher

# COURSES


# OPTIONS TABLE

| | L | M | N | P | Q |
|---|---|---|---|---|---|
| YEAR 12 | **Chemistry**<br>6+ in GCSE Chemistry or 6s in Combined Science and 6 in Maths | **Biology**<br>6+ in GCSE Biology or 6s in Combined Science and 5 in Maths | **Maths**<br>6+ in GCSE Maths | **L3 Art & Design**<br>4+ in GCSE Art | **Physics**<br>6+ in GCSE Physics or 6s in Combined Science and 6 in Maths |
| | **Economics**<br>5+ in English and Maths | **History**<br>5+ in GCSE History & English | **Geography**<br>5+ in GCSE Geography | **L3 Applied Science**<br>4+ in GCSE Separate or Combined Sciences and Maths | **L3 Business**<br>4+ English and Maths |
| | **L3 ICT**<br>4+ in English, GCSE ICT preferred | **L3 Media**<br>4+ in English, GCSE Media or ICT preferred | **BTEC Psychology**<br>4+ in English & Maths | **L3 PE**<br>Merit in L2 PE | **Psychology**<br>5+ in GCSE English and Maths |
| | **Photography**<br>4+ in GCSE Photography/Art or experience | **L3 Applied Science**<br>4+ in GCSE Separate or Combined Sciences and Maths | **Product Design**<br>4+ in GCSE Product Design, Engineering or Art | **English Lit/ Lang**<br>5+ in GCSE English Lang and 6+ in English Lit | **Fashion**<br>4+ in related subject (Art/Textiles/Product etc) |
| | **L3 Engineering**<br>4+ English & Maths | **Maths**<br>7+ in GCSE Maths | | **L3 Engineering**<br>4+ English & Maths | **French**<br>6+ in GCSE French |
| | | **L3 Food Science & Nutrition**<br>4+ in GCSE English and Maths | | **L3 Health & Social Care**<br>4+ in English | **German**<br>6+ in GCSE German |

# BTEC LEVEL 3: EXTENDED CERTIFICATE IN ART & DESIGN

## COURSE CONTENT

Students will explore the use of drawing for different purposes, using a variety of methods and media on a variety of scales. You will use sketchbooks / workbooks / journals to underpin your work where appropriate.

Unit 12: **Fine Art Materials, Techniques and Processes:** This unit is through workshops where processes will be taught and materials explored. Mini assignments will be given where students will apply their knowledge of the techniques taught.

Unit 3: **The Creative Process:** This unit is the practical and main basis of the course. Students will explore materials and processes based on a theme set by the department, where they will develop ideas, produce an outcome and evaluate the processes they have learnt.

Unit 2: **Critical and Contextual Studies in Art and Design:** The content for the unit is set out under four areas; conducting research and investigation, visual analysis through deconstruction of imagery, understanding how contextual factors influence the work of others, and reaching conclusions and judgements.

Unit 1: **Visual recording and communication:** Students will develop their understanding of the visual elements through how artists use them to communicate. They will apply their understanding through developing their visual communication through 2d and 3d which will be extended into a themed based project and then evaluated.

**Unit 1, 2 and 3 are all mandatory**

## ENTRY REQUIREMENTS

Ideally Grade 9-5 at GCSE, but students with Grade 4 are welcome provided they show motivation and commitment. Students with no GCSE in art are also welcome, but should also show commitment, and prove they have an aptitude for the subject. Students will need to show a portfolio of their own work.

## CAREER OPPORTUNITIES

Everything has been designed by somebody- the art and design industry is huge, employing a vast number of people. For example, Interior/Industrial Design, Commercial Design, Television, Theatre and Film Industry Special Effects, Costume, Make-Up, Set Design, Animation, Architecture, Teaching and Illustrator- to name but a few.

## WHICH SUBJECTS LINK WELL?

Photography which is particularly suitable for those students wishing to pursue a career in Art, Product Design, Graphics and Textiles. Mathematics especially for those considering Architecture.

# LEVEL 3 EXTENDED CERTIFICATE IN APPLIED PSYCHOLOGY

## COURSE CONTENT

Students will take the extended certificate pathway, which contains 360 credits. Students will undertake units on:

- Unit 1: Psychological Approaches and Applications
- Unit 2: Conducting Psychological Research
- Unit 3: Health Psychology
- Unit 4: Criminal and Forensic Psychology

Two of the units are coursework based, whilst two are externally examined.

## ENTRY REQUIREMENTS

Students should have at least grade 4 in English, Maths and Science.

## CAREER OPPORTUNITIES

It links well for taking psychology at University as it gives a good understanding of the roles of psychologists. Any job which requires interacting with other people, this can be advantageous.

## WHICH SUBJECTS LINK WELL?

Applied Psychology links well to other BTEC subjects, such as Applied Science as well as Health and Social Care. Any subject that requires excellent organisation.

# LEVEL 3 EXTENDED CERTIFICATE IN APPLIED SCIENCE

## COURSE CONTENT

Students will be studying the Extended Certificate pathway, which requires 360 credits.

- Principles and Applications of Science
- Practical Scientific Procedures and Techniques
- Science Investigation Skills
- Human Regulation and Reproduction

## ENTRY REQUIREMENTS

Students should have at least 4 in Science, Maths and English GCSE.

## CAREER OPPORTUNITIES

Studying BTEC Applied Science provides students with the required knowledge to gain a place at University in many Science based degrees such as Forensic Science. There is also a great opportunity to gain employment or Apprenticeships in the Chemical or Science industry with this qualification.

Student should who study this should be good Independent learners, have good attendance and be able to manage their time effectively.

## WHICH SUBJECTS LINK WELL?

BTEC Applied Science links in well with other Science subjects and other BTEC Level 3 courses. This is a useful course for students who have an interest in Science, are organised, hardworking, and good at producing coursework.

# A LEVEL BIOLOGY

## COURSE CONTENT

In Biology you will develop practical skills, by planning experiments, collecting data, analysing experimental results and making conclusions. You will also learn how scientific models are developed, the applications and implications of science, the benefits and risks that science brings and the ways in which society uses the science to make decisions.

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

- **Biological molecules**
- **Cells**
- **Organisms exchange substances with their environment**
- **Genetic information, variation and relationships between organisms**
- **Energy transfers in and between organisms** (A-level only)
- **Organisms respond to changes in their internal and external environments** (A-level only)
- **Genetics, populations, evolution and ecosystems** (A-level only)
- **The control of gene expression** (A-level only)

## ENTRY REQUIREMENTS

It is expected that you should have obtained at least a grade 6 in GCSE Biology or GCSE Combined Science. Students will need a 6 in Maths and English as numerical and mathematical skills are important in Biology.

You will also need to be able to communicate effectively, and be able to plan and carry out research and think critically about problems.

## CAREER OPPORTUNITIES

Biology leads on to a wide range of courses and careers. Which could include an undergraduate degree in Life Sciences, Medicine, Environmental Science, Forensic Science and related courses.

Employment, for example in the areas of Biological Testing, Biotechnology, Independent Research, the Food Industry, Conservation, Environmental Management, Communication and Education.

## WHICH SUBJECTS LINK WELL?

Other Science subjects , including Applied Science, also Sport.

# LEVEL 3 CERTIFICATE IN BUSINESS

## COURSE CONTENT

In Year 12 you will study for a Level 3 Certificate in Applied Business.

You will cover three units:

- **Financial Planning and Analysis** (external exam in January (re-sit opportunity in June)
- **Business Dynamics** (an internally centre assessed piece of work)
- **Entrepreneurial Opportunities** (externally assessed assignment)

In Year 13 you will study for a Level 3 Extended Certificate in Business.

In Year 13 you will cover three further units:

- **Managing and Leading People** (external exam in January (re-sit opportunity in June)
- **Developing a Business Proposal** (an internally centre assessed piece of work)
- **E-Business implementation** (an internally centre assessed piece of work)

## ENTRY REQUIREMENTS

A minimum of grade 4 in Maths and English GCSE.

## CAREER OPPORTUNITIES

Travel, Tourism, Leisure, Banking, Finance, Health Service, Education.

## WHICH SUBJECTS LINK WELL?

This subject links well with Travel and Tourism, Health and Social Care, Psychology and a range of other subjects.


# A LEVEL CHEMISTRY

## COURSE CONTENT

This is a two year course building on the Chemistry you will have studied at GCSE. You will study the Chemistry that is in the media and part of your life.

Year 1

**Atoms Bonds and Groups:**

- Atoms and Reactions
- Electrons, Bonding and Structure
- The Periodic Table Chains

**Energy and Resources:**

- Basic concepts and Hydrocarbons
- Alcohols, Halogen and Analysis Energy

Year 2

**Rings, Polymers and Analysis:**

- Rings, Acids and Amines
- Polymers and Synthesis, Analysis

**Equilibrate, Energetic's and Elements:**

- Rates, Equilibrium and pH
- Energy, Transition Elements

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## ENTRY REQUIREMENTS

It is expected that you should have at least the equivalent of GCSE Grade 6 in Chemistry or Combined Science, and a GCSE Grade 6 in Maths and English.

Vocational course grades not considered.

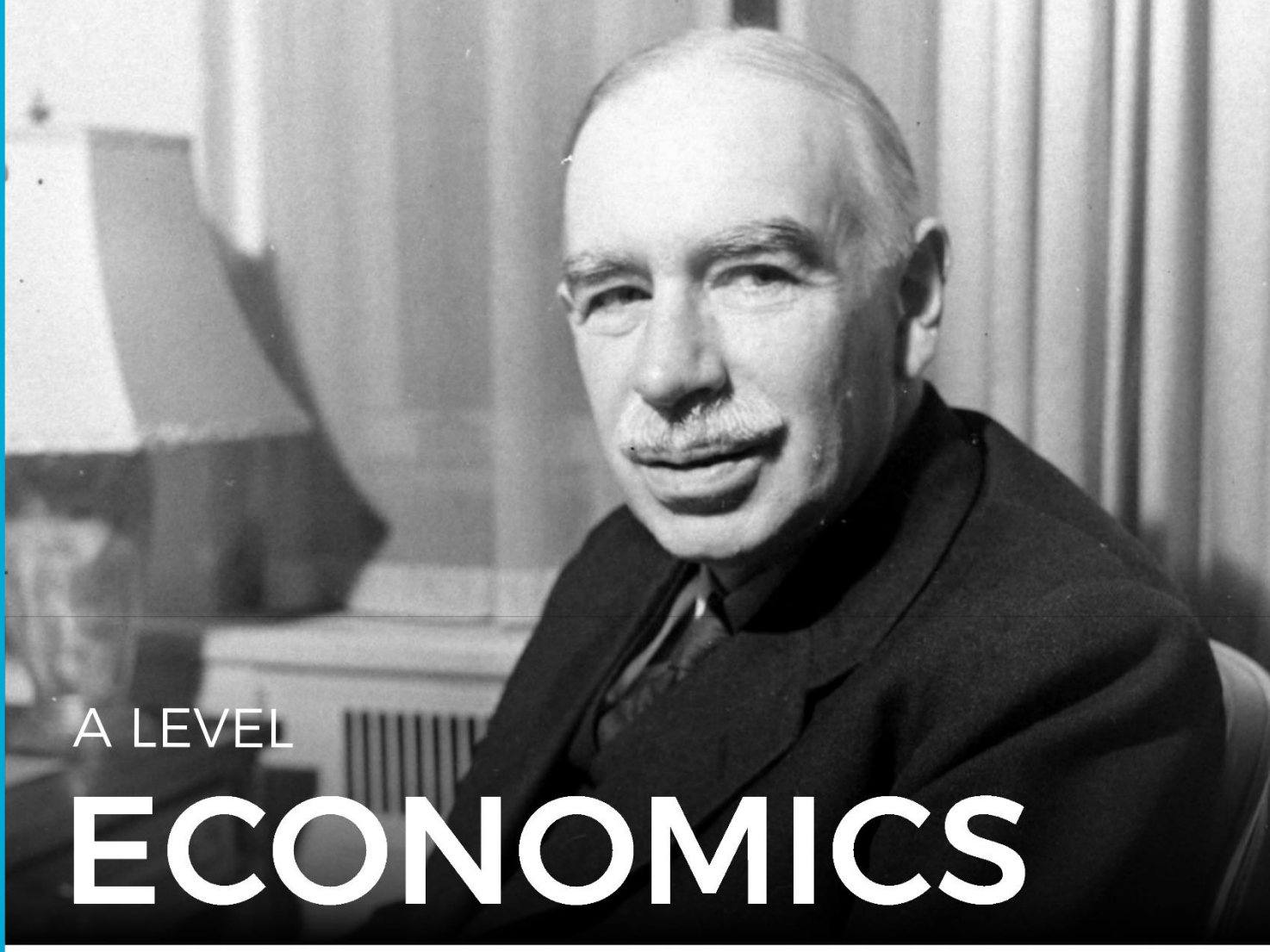
## CAREER OPPORTUNITIES

Many university courses have a significant proportion of Chemistry content and a GCE in Chemistry will be useful.

Whilst many job opportunities specifically using Chemistry require higher qualifications, most laboratory-based jobs benefit from a chemistry qualification, for instance Dental Assistant or Veterinary Assistant. Many employers view success at GCE Chemistry as a clear indication of sound academic ability.

## WHICH SUBJECTS LINK WELL?

Most other subjects link well but especially Maths and other Science subjects.



# A LEVEL ECONOMICS

## COURSE CONTENT

The course will focus on three main areas.

- The Operation of Markets and Market Failure
- The National Economy in a Global Context
- Markets and Market Failure & National and 'International Economy

The Market System considers issues like needs, wants, scarce resources, the capitalist system, supply, demand, prices and incomes, later addressing issues of market failure like monopoly, inequalities in the distribution of income and wealth, under consumption of merit goods (things that are deemed good for us and society as a whole), over-consumption of de-merit goods (goods that are considered bad for us and society as a whole), the under provision of public goods, wasteful competition and externalities.

The National Economy focuses much more on those issues that we tend to hear much more about on the national news. Issues relating to unemployment, inflation, economic growth, the balance of payments, imports, exports, austerity, wages, employment and the government's attempt to steer our economy along a path to prosperity using the fiscal (taxes) and monetary (interest rates) instruments at its disposal.

The role of the Bank of England in all of this is a key area of learning, and the reasons why the then Chancellor of the Exchequer, Gordon Brown, made the Bank of England independent of the government with regard to interest rate policy.

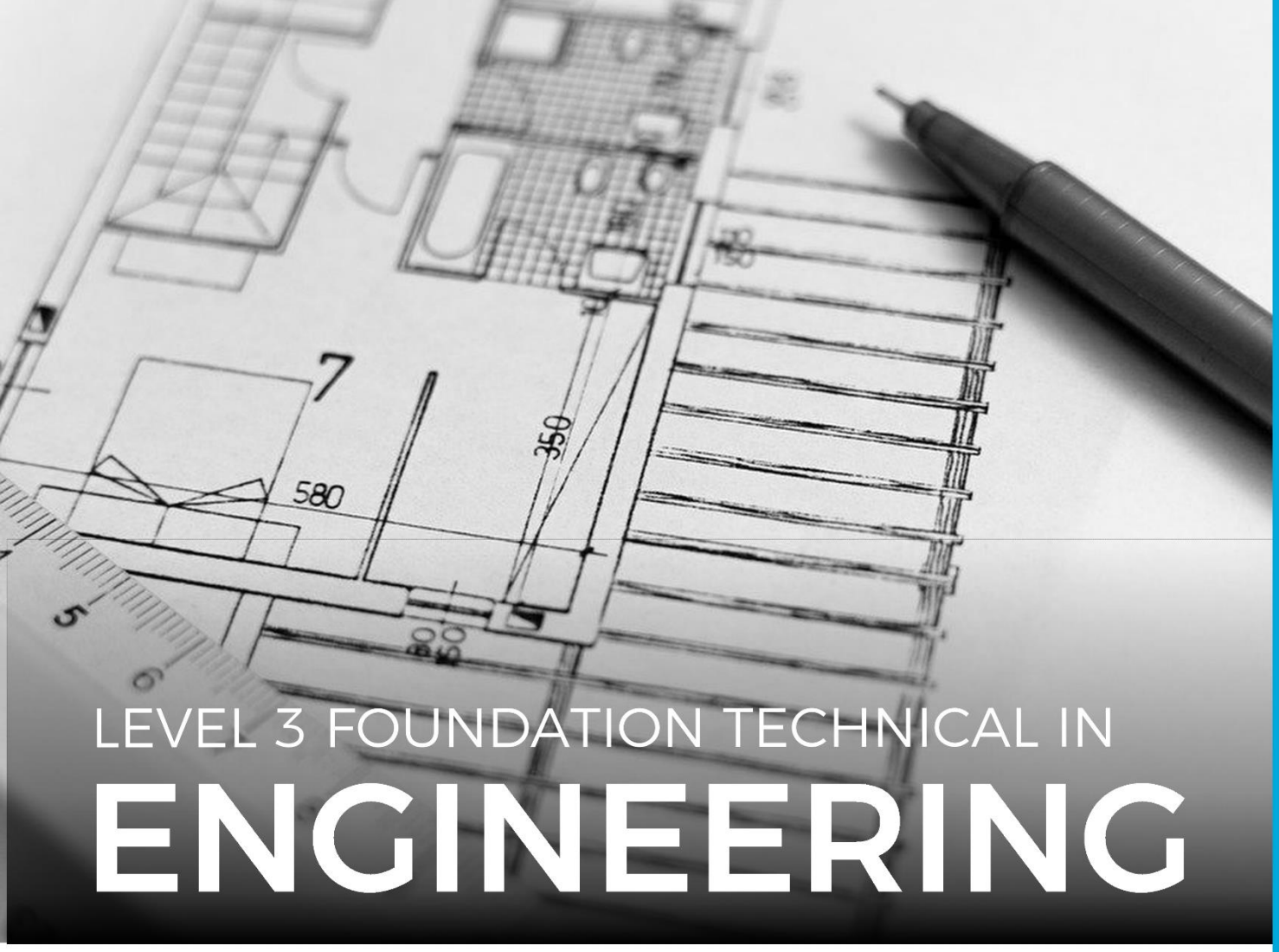
Students who are successful can then continue onto the full A-Level which involves the study of further units.

## ENTRY REQUIREMENTS

An interest in current affairs and economics in particular is important. Students should have at least 5s in English and Maths GCSE.

## CAREER OPPORTUNITIES

Teaching, Health Service, Local Government, National Government, Financial Institutions (Accounting, Banking, Insurance), Travel, Tourism, Leisure.



# LEVEL 3 FOUNDATION TECHNICAL IN ENGINEERING

## COURSE CONTENT

Engineers are in great demand in the UK. The North West area and in particular Ellesmere Port have an abundance of opportunities for young people in engineering and manufacture.

The traditional engineering courses at Whitby have proved to be very successful in providing valuable knowledge, skills and experience for students wishing to pursue a career in Engineering.

This course replaces the old A level specification and is a two year course that follows on from studies at KS4 (*there is no accreditation for completing year 12 only).* The course comprises of four assessed units:

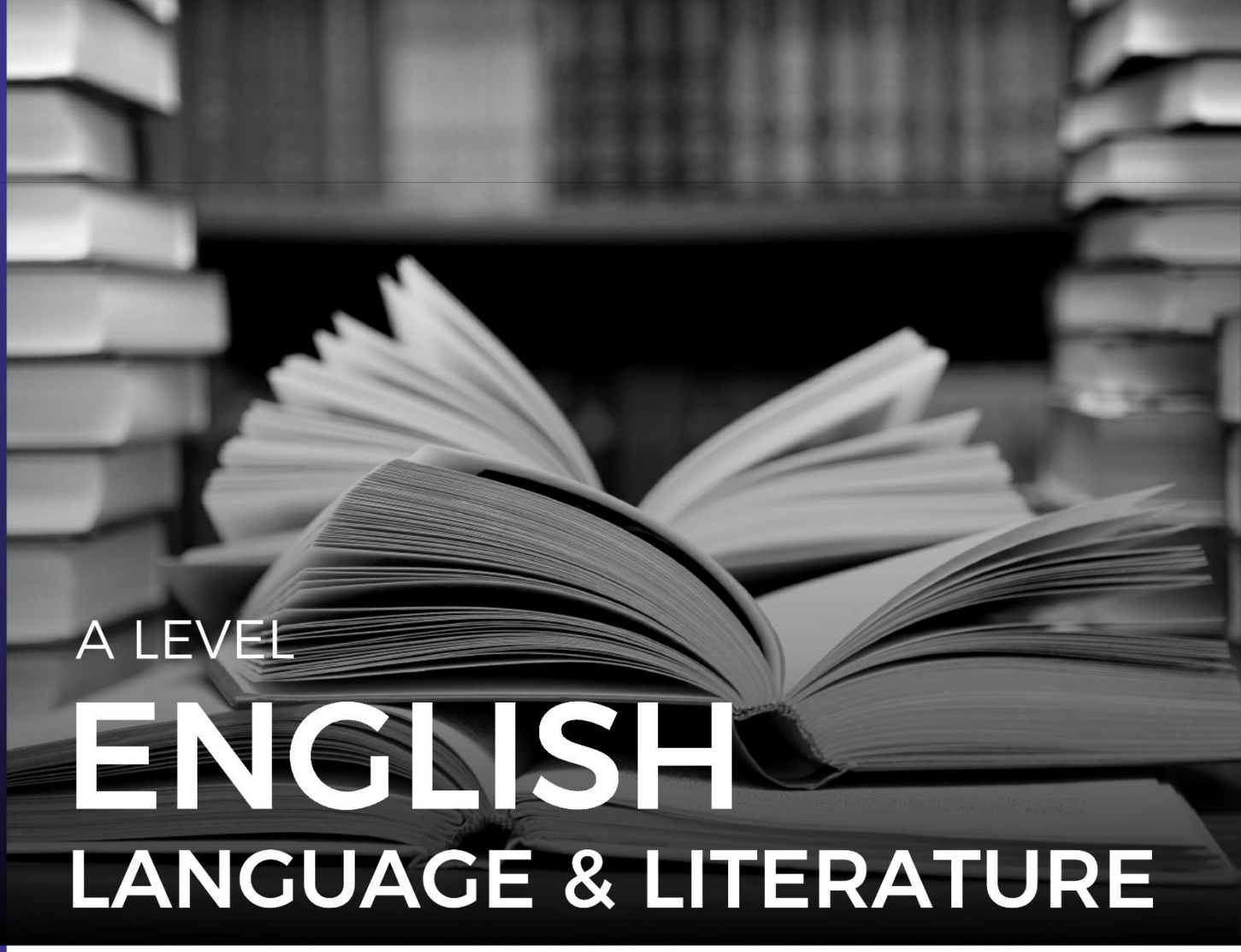
- **Materials Technology and Science** (External examination in June of Year 12). Mechanical Systems (Externally set and marked assignment submitted in June of Year 12).
- **Engineering Design** (Externally set, internally assessed design unit, submitted in June of Year 13).
- **Production and Manufacturing** (Externally set, internally assessed making unit, submitted in June of Year 13).

## ENTRY REQUIREMENTS

There are no official entry requirement for this course, however we recommend a strength in both Maths and Physics, 4 or higher In English and previous experience in a D&T subject.

For further information on entry requirements see Mr Smith in Engineering.

*The full specification for the subject can be found by searching for AQA Tech-level Engineering: Design TVQ01018 along with sample assessment material*



A LEVEL

# ENGLISH LANGUAGE & LITERATURE

## COURSE CONTENT

The stimulating English Combined course draws on the academic field of Stylistics in order to create a shared English Language and Literature course that brings together literary and non-literary discourses. This A-Level course integrates literary and linguistic fields via shared concepts about the way language choices create representations, both in literary and non-literary texts: words create worlds, both in literature and elsewhere.

As a part of your studies, you will be given the opportunity to develop your subject expertise by engaging creatively, critically and independently with a wide range of texts, including*:

- The Handmaid's Tale
- A Street Car Named Desire
- The Great Gatsby (creative writing element)
- Poetry by Carol Ann Duffy
- Anthology
- NEA (Language investigation coursework)

Using literary and linguistic methods and concepts, students will analyse the above texts and their use of genre and mode and will gain insights into the different discourses and ideas about creativity. As such, learners develop and enhance their skills as producers and interpreters of language by creating texts themselves and critically reflecting on their own process of production.

## WHICH SUBJECTS LINK WELL?

You may wish to accompany your study of English Combined with History, Geography or the Sciences as these disciplines share the skills of essay writing, reasoning and accuracy.

## ENTRY REQUIREMENTS

Students will need a combined English score of 11 or above – i.e. at least 6 in English Literature.

## CAREER OPPORTUNITIES

This course is a valuable foundation for careers in areas such as: Teaching, Publishing, Human Resources, Journalism, Public Services, Business Development, Social Media Management, Media Researcher and Web Content Management. English is an exciting and important qualification which will enable you to develop your skills and abilities, providing you with progression routes to higher education, employment or further training.

**Can be subject to change. See AQA website for full listing.*

# A LEVEL
# FASHION & TEXTILES

## COURSE CONTENT

An exploration of surface, texture, colour, materials and construction, Fashion & Textile Design offers a diverse and creative approach to fabric development framed by an understanding of professional contexts including fashion, interior and accessory design. All practical work is underpinned by critical analysis of appropriate sources. Research methods including drawing, collecting and mood boards will be used to generate a wealth of ideas.

Students are encouraged to experiment with a range of materials and techniques including embroidery, fabric manipulation, printing and dyeing to create interesting surface patterns and textures that can be developed into garments, accessories, functional objects or pieces of art.

Unit 14: **Textile Materials, Techniques and Processes:** This unit is through workshops where processes will be taught and materials explored. Mini assignments will be given where students will apply their knowledge of the textiles techniques taught.

Unit 3: **The Creative Process:** This unit is the practical and main based of the course. Students will explore materials and processes based on a theme set by the department, where they will develop ideas, produce an outcome and evaluate the processes they have learnt.

Unit 2: **Critical and Contextual Studies in Art and Design:** The content for the unit is set out under four areas; conducting research and investigation, visual analysis through deconstruction of imagery, understanding how contextual factors influence the work of others, and reaching conclusions and judgements.

Unit 1: **Visual recording and communication:** Students will develop their understanding of the visual elements through how artist/ designers use them to communicate. They will apply their understanding through developing their visual communication through 2d and 3d textile outcomes which will be extended into a themed based project and then evaluated.

**Unit 1, 2 and 3 are all mandatory**

## ENTRY REQUIREMENTS

A GCSE of 4+ in Product Design, Photography or Art would be beneficial.

## CAREER OPPORTUNITIES

Textiles students can go on to study on Foundation courses in Art and Design, Costume and Stage Design, Marketing and Advertising, Illustration and Fashion and Textiles design.

## WHICH SUBJECTS LINK WELL?

Art, Photography, Graphic Communications and Product Design link well to this course.

# LEVEL 3 APPLIED DIPLOMA IN FOOD AND NUTRITION

## COURSE CONTENT

An understanding of food science and nutrition is relevant to many industries and job roles. Care providers and nutritionists in hospitals use this knowledge, as do sports coaches and fitness instructors. Hotels and restaurants, food manufacturers and government agencies also use this understanding to develop menus, food products and policies that that support healthy eating initiatives. Many employment opportunities within the field of food science and nutrition are available to students who complete this course.

This is an Applied General qualification. This means it is designed primarily to support students progressing to university. It is mainly designed for those wanting to pursue careers or learning in related areas such as the food industry production.

This course is made up of internal (coursework) assignments and an externally assessed (investigational task). If you have any further questions please talk to either Mrs Gunning or Mr Gunning.

## ENTRY REQUIREMENTS

The range of units available would support students' progression from study at GCSE, but in particular GCSE`s in Food and Nutrition, Biology, Sport and Humanities, however a qualification at this level is not essential.

## CAREER OPPORTUNITIES

By studying for this certificate alongside other relevant qualifications at Level 3 e.g. Biology, Physical Education, Sociology, learners will gain the required knowledge to use the qualification to support entry to higher education courses such as:

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

## WHICH SUBJECTS LINK WELL?

Biology, Sport and Humanities

# A LEVEL FRENCH

## COURSE CONTENT

Throughout the course, there will be a real emphasis on France and the French speaking world. Students will study about families and citizenship, youth trends and personal identity. They will also complete units on education, employment and regional culture including media, art, film and music. Students will study a French film and a book. In addition students will cover topics such as diversity and difference and the post-war years in France 1940 – 1950.

## ENTRY REQUIREMENTS

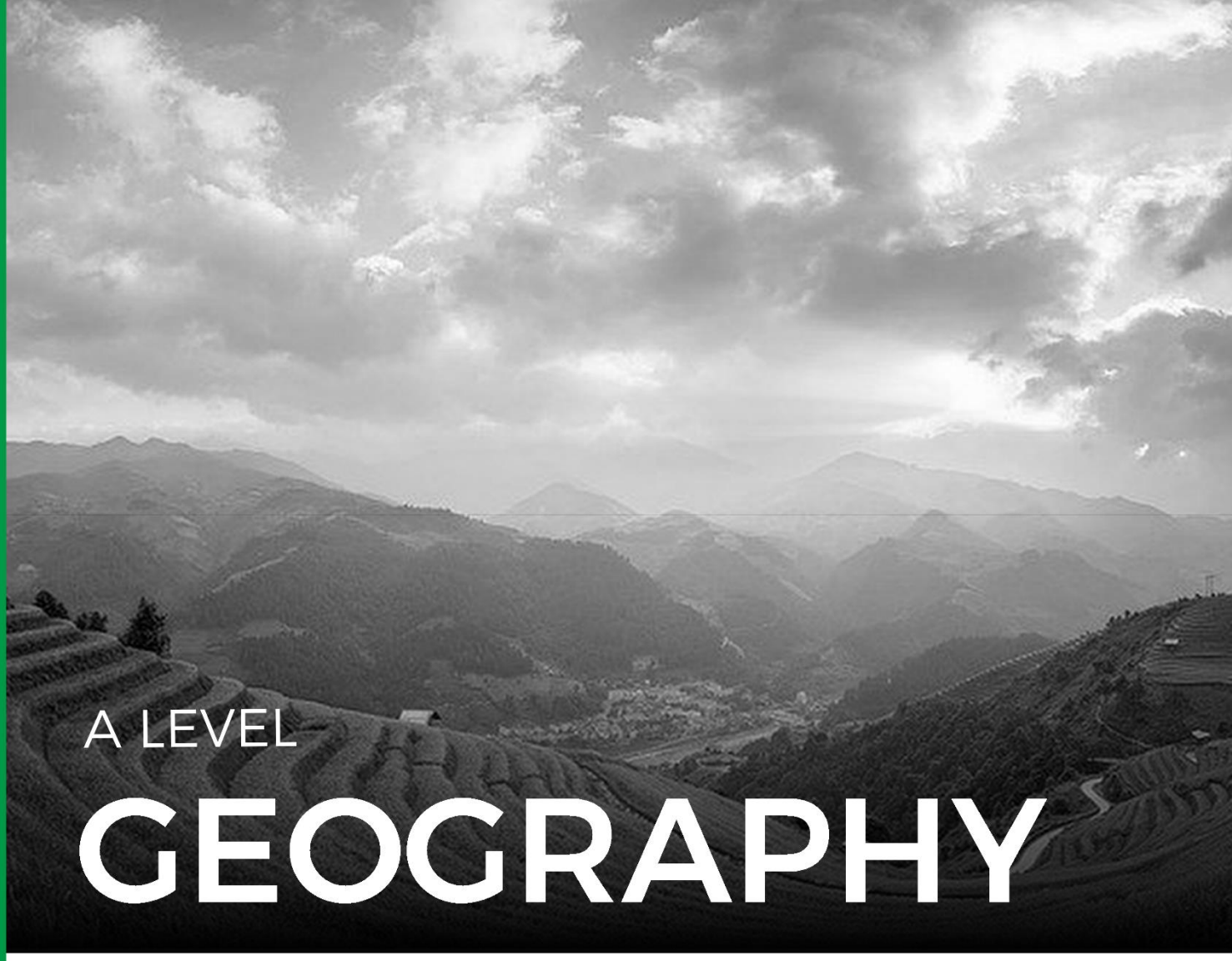
Grade 6 or above at GCSE level.

## CAREER OPPORTUNITIES

Choosing a Modern Foreign Language at A Level has the potential to change lives and lead the student down an exciting path. There are numerous career opportunities from foreign languages, obvious examples are banking, marketing, advertising and tourist industries. Secretaries, sales staff, telephonists and airline staff all need languages. A foreign language is very desirable for scientists, Engineers and accountants. You will have a distinct advantage in the job market if you can offer a foreign language.

## WHICH SUBJECTS LINK WELL?

A Modern Language links well with a wide variety of subjects including English, History, Art, Economics, Sciences & Engineering.



# A LEVEL GEOGRAPHY

## COURSE CONTENT

Geography is highly valued by universities as an A Level choice. It combines well with both arts and science subjects. You may already be thinking ahead to potential university and career choices so it is worth bearing in mind that geography is a broad based subject that really fits well for your future progression. For example, for careers in sustainability and green issues, urban regeneration, energy supply, retail location, managing the effects of hazards and climate change, geography is an obvious choice.

- Changing landscapes and places.
- Coasts and urban processes and change.
- Global Systems and Global Governance.
- Oceans and Migration.
- Contemporary Themes in Geography.
- Tectonics, Ecosystems, Energy, India, China, African Nations and Weather and Climate.
- Non Examined Assessment - Project based.

Students will be taught using a number of different methods and there will be four compulsory days fieldwork, which will culminate in the production of a 4000 word project.

## ENTRY REQUIREMENTS

To be able to follow this course you will require a grade 5 or higher in Geography, Maths and English.

## CAREER OPPORTUNITIES

For careers in the world of business, an understanding of global economics forms an important part of geography. If you are thinking of a career in law, human rights, international relations or welfare then geography gives you the opportunity to consider relevant issues such as; How do we measure development? What are the consequences of migration on societies? If you are working towards a future course in medicine or veterinary medicine then geography is a good choice to give your A Level options the breadth that universities seek, as you will gain a clear understanding of how the environment affects health and survival of people, animals and ecosystems as well as enhancing your skills of writing essays and extended reports.

A LEVEL

# GERMAN

## COURSE CONTENT

Throughout the course, there will be a real emphasis on Germany and the German speaking world. Students will study about families and citizenship, youth trends and personal identity. They will also complete units on education, employment and regional culture including media, art, film and music. Students will study a German film and a book. In addition students will cover topics such as diversity and difference and the making of modern Germany 1989 onwards.

## ENTRY REQUIREMENTS

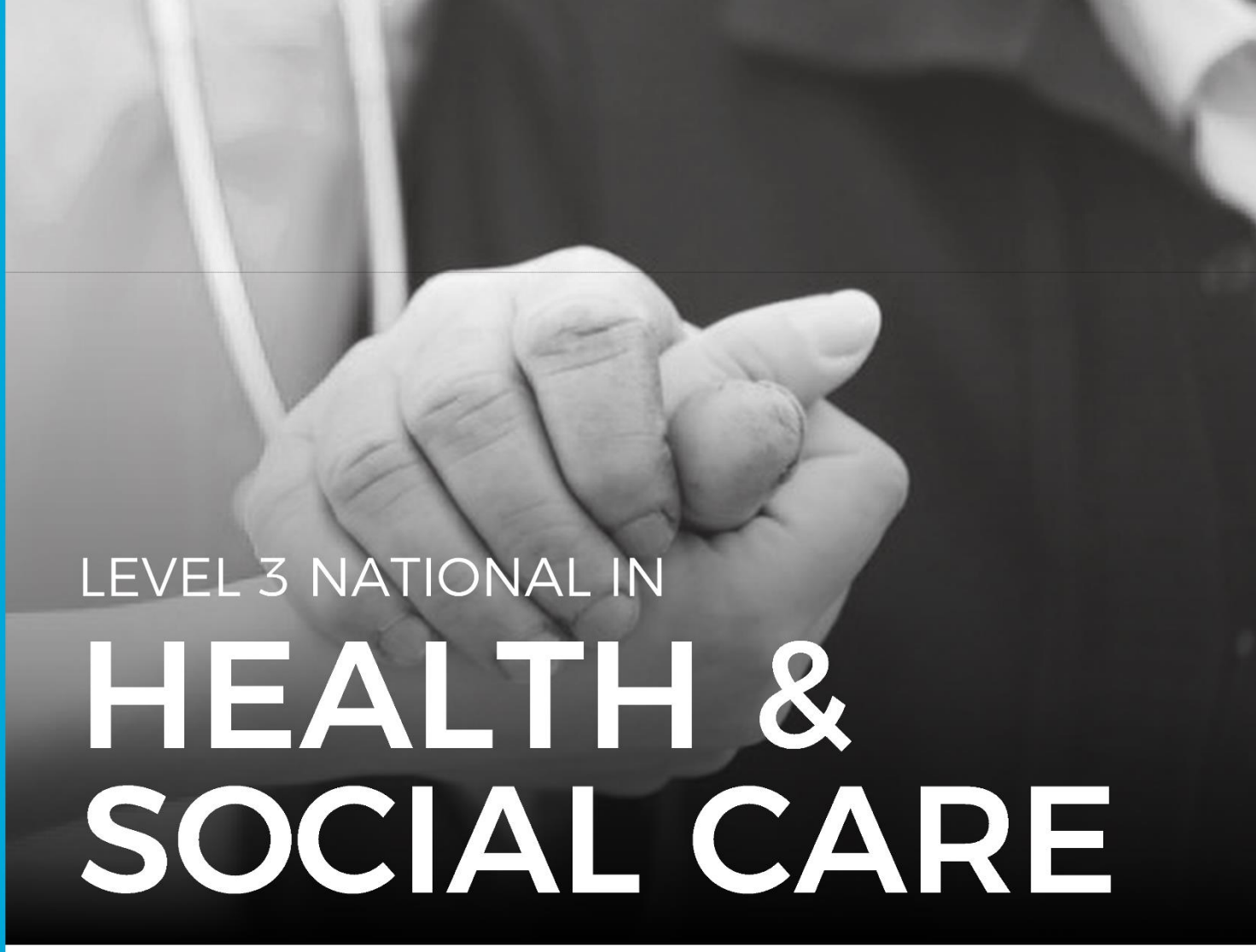
Grade 6 or above at GCSE level.

## CAREER OPPORTUNITIES

Choosing a Modern Foreign Language at A Level has the potential to change lives and lead the student down an exciting path. There are numerous career opportunities from foreign languages, obvious examples are banking, marketing, advertising and tourist industries. Secretaries, sales staff, telephonists and airline staff all need languages. A foreign language is very desirable for scientists, Engineers and accountants. You will have a distinct advantage in the job market if you can offer a foreign language.

## WHICH SUBJECTS LINK WELL?

A Modern Language links well with a wide variety of subjects including English, History, Art, Economics, Sciences & Engineering.



LEVEL 3 NATIONAL IN

# HEALTH & SOCIAL CARE

## COURSE CONTENT

Students study four units:

- Human Life Span Development
- Working in Health and Social Care
- Meeting Individual Care and Support Needs
- Supporting Individuals with Additional Needs

Aims of the course:

- To develop and sustain an interest in Health and Social Care – issues affecting the care sector
- To gain knowledge and understanding of issues affecting the Health and Social Care sector
- To develop skills that will help you make an effective contribution to the Care sector, including research, evaluation and problem solving
- To apply knowledge and understanding
- To prepare for further study and training

Students complete a range of tasks including: making posters, booklets, presentations, case studies, role play and reports. The use of computers to aid work presentation is encouraged. If you have any further questions please talk to Mrs Gunning.

## ENTRY REQUIREMENTS

A 4+ in English at GCSE level is required.

Students need to:

- Be focused on their work and be able to keep to target deadlines
- Be prepared to complete guided research at home
- Have regular attendance at lessons

Students following this course will need to complete two separate weeks work experience in a suitable placement linked to Health & Social Care.

Students will be encouraged throughout the course to take responsibility for their own learning.

## CAREER OPPORTUNITIES

Art and Design, Business, English, History, Information Technology, Drama.

# A LEVEL HISTORY

## COURSE CONTENT

The making of a Superpower: USA, 1865-1975

- The Era of Reconstruction & The Gilded Age
- From Civil War to World War
- Populism, Progressivism and Imperialism
- Crisis of identity
- Crises and the rise to World Power
- The Superpower

The Making of Modern Britain, 1951–2007

- Building a new Britain
- The Affluent Society
- The Sixties
- The end of Post-War Consensus
- The impact of Thatcherism
- Modern Britain
- Towards a new Consensus
- The Era of New Labour

Historical investigation 'The Revolution in France' (Non-Examination Assessment)

Through undertaking the Historical investigation students will develop an enhanced understanding of the nature and purpose of history as a discipline and how historians work.

## ENTRY REQUIREMENT

A 6 in GCSE History and 5 in GCSE English.

## WHICH SUBJECTS LINK WELL?

English Language and Literature, Politics, Economics, Geography, Business and German.

LEVEL 3 EXTENDED CERTIFICATE IN

# INFORMATION TECHNOLOGY

## COURSE CONTENT

You will learn a wide range of skills whilst studying this course, some examples include:

- The opportunity to acquire the essential knowledge and tools for the world of work by developing transferable skills such as planning, research and analysis, working with others and effective communication.
- The three mandatory units examine the more theoretical side of ICT and Business; you will acquire some of the skills needed to pursue an ICT related role in Business.
- Understand how systems can be key to the success of a business in organising their day to day processes.
- Acquire high level web design skills through designing and implementing your own website from scratch including all graphical content. You will also have the opportunity to examine more advanced skills such as cascading style sheets and inserting script such as JAVA into your website.

## ENTRY REQUIREMENTS

A minimum of a 4 in Maths, ideally a 4 in English and a Level 2 Pass in ICT or equivalent will be required.

## CAREER OPPORTUNITIES

This course provides a suitable foundation for the study of ICT or a related area through a range of higher education courses e.g. Information Technology, Information Systems, Creative Media.

Learners wishing to gain a Level 3 qualification to support further study in Further Education (FE) and Higher Education (HE) in ICT.

## WHICH SUBJECTS LINK WELL?

Media and Photography.

A LEVEL

# MATHEMATICS

## COURSE CONTENT

The course gives students the opportunity to understand mathematics and mathematical processes in a way that promotes confidence, fosters enjoyment and provides a strong foundation for progress or further study.

The course covers GCSE content to a higher ability and new topics including:

- Algebra and Functions
- Coordinate Geometry in the XY plane
- Proof
- Sequences and Series
- Trigonometry
- Exponential's and Logarithms
- Calculus
- Vectors
- Numerical Methods
- Mechanics
- Statistics

## ENTRY REQUIREMENTS

A strong grade 7 in GCSE Maths and a strong grade 6 in English are required to study A Level Mathematics.

## CAREER OPPORTUNITIES

Students in the last few years have gone on to study the following subjects at University:

- Mathematics
- Mathematical Sciences
- Accountancy and Finance
- Medicine, Business Information Technology
- Engineering
- Architecture
- Law
- Medical Engineering
- Civil Engineering

## WHICH SUBJECTS LINK WELL?

Biology, Psychology, Physics, Business and Geography.


# LEVEL 3 CAMBRIDGE TECHNICAL IN MEDIA STUDIES

## COURSE CONTENT

Whilst studying the Level 3 Media Studies course, students will learn a wide range of authoring and editing skills throughout a variety of multimedia software packages. Some of the more common examples include Adobe Photoshop and the Serif Suite as well as video and animation editing software.

Some of the skills include pitching, planning and designing with an emphasis on industry standard graphic design skills. Video editing, sound editing and photography skills are also featured throughout the course. The course aims to equip students with the skills needed to progress further at degree or foundation level; this is also the case for media based apprenticeships. Indeed, several of our students have gone on to pursue Media based degrees and apprenticeships and have subsequently secured positions in Media roles for a range of different companies.

Students will develop an understanding of how different media institutions operate in order to create products that will appeal to specific target audiences. This includes how to analyse different media products within the sector to understand the fundamentals of how meaning is created for audiences. You will learn about how audiences are categorised, researched and targeted by media producers and how media institutions distribute and advertise their products to audiences.

As part of mandatory study, students will create a proposal, produce planning materials and then create and edit a magazine to complete professional standard. They will also look at the key aspects of pre-production and the processes that the creative media industry follows when creating a product. This will examine how research is carried out during the planning stages and how timescales and resources can affect the development of a new media product.

## ENTRY REQUIREMENTS

Media at Key Stage 4 is beneficial for this course but not a necessity, new skills are taught and developed from the ground up and there is some introductory tutorial time spent on familiarising/re-familiarising students with some of the tools and techniques used throughout the level 2 Media course.

## WHICH SUBJECTS LINK WELL?

ICT and Photography.

# LEVEL 3 EXTENDED CERTIFICATE IN MUSIC

## COURSE CONTENT

This qualification is a two year course equivalent to one A level. The programme gives a broad overview of the music industry, with a focus on performance, including musical skills development and professional practice.

This qualification has been developed to ensure that it supports progression to higher education.

Students taking this qualification will study three mandatory units:

- Unit 1: **Practical Music Theory and Harmony**
- Unit 2: **Professional Practice in the Music Industry**
- Unit 3: **Ensemble Music Performance.**

Students choose one optional unit. These have been designed to support progression to more specialist music courses in higher education and to link with relevant occupational areas, such as:

- Composing Music
- Improvising Music
- Solo Performance

## ENTRY REQUIREMENTS

GCSE or BTEC Level 2 Music and/or a genuine interest in music and or music performance.

## CAREER OPPORTUNITIES

The UK music industry helps to create jobs and opportunities for young people.

Many students from The Whitby High School have gone on to study Music, Music Technology, Music Journalism and Music Performance at university.

Studying Music can lead to a good career as a performer, music industry management, sound/recording engineer, teacher, journalist, composer or creative within the arts, theatre, gaming and film.

# LEVEL 3 CERTIFICATE IN PERFORMING ARTS

## COURSE CONTENT

Performing Arts BTEC Acting is for students who are interested in learning about the performing arts sector, specifically focusing on the skill of acting. It allows students the opportunity to develop their performance and theory skills, with a view to progressing to a wide range of higher education courses. Students will study three mandatory units and develop their skills in performance and theory. Skills that will be developed include: performance, physical techniques, vocal techniques. Along with developing their practical skills they will deepen their understanding of the theory behind the practical approaches, honing their skills in: research, critical analysis and extended writing to support students' progression to higher education. Students will gain a good understanding of the work of influential practitioners to inform their own work and practice. Students will understand different audiences in different environments and will learn to adapt a performance to engage the target audience.

Units covered within the course:

**Investigating Practitioners' Work -** Students investigate the work of performing arts practitioners and develop critical analysis skills and contextual understanding of how practitioners communicate themes in their work. .

- **DevelopingSkillsandTechniquesforLivePerformance** Students explore technical performance skills with a focus on developing skills and techniques in at least two performance styles.
- **Group Performance Workshop -** Students explore and integrate creative, physical and vocal skills and techniques, working collaboratively to create a performance in response to a given stimulus.
- **Acting Styles -** Students develop acting methods by exploring different acting styles. They will apply techniques to the development, rehearsal and performance of their practical work.

## ENTRY REQUIREMENTS

Merit at Level 2 or 5 at GCSE.

## CAREER OPPORTUNITIES

Performance work, Directing, Teaching, Script writing/Editing, Journalism, Presenting, Radio, TV, Mentoring and careers that involve communication and empathy.

## WHICH SUBJECTS LINK WELL?

English, Creative Writing, Art, Music and Media.

# A LEVEL PHOTOGRAPHY

## COURSE CONTENT

The main practical focus of the Art and Design: Photography course is taking photographs and refining/manipulating them in computer software to produce personal and creative outcomes. Traditional and/or new media can be used to undertake documentary work, photojournalism, experimental imagery, photomontage, photographic or digital installation, animation, video and film.

The A Level is a two year course. All examination assessment work is undertaken in the second year of the course after you have acquired a wide range of personal skills through your assignments in year one. In the second year of the course you have to complete a Personal Investigation, (which also includes a written study), and an Externally Set Practical Task. The personal investigation and the study together account for 60% of the final examination grade - the externally set task accounts for the remaining 40% of the examination grade.

## ENTRY REQUIREMENTS

An interest in Photography is essential. A 4 or above in Photography or Art would be beneficial.

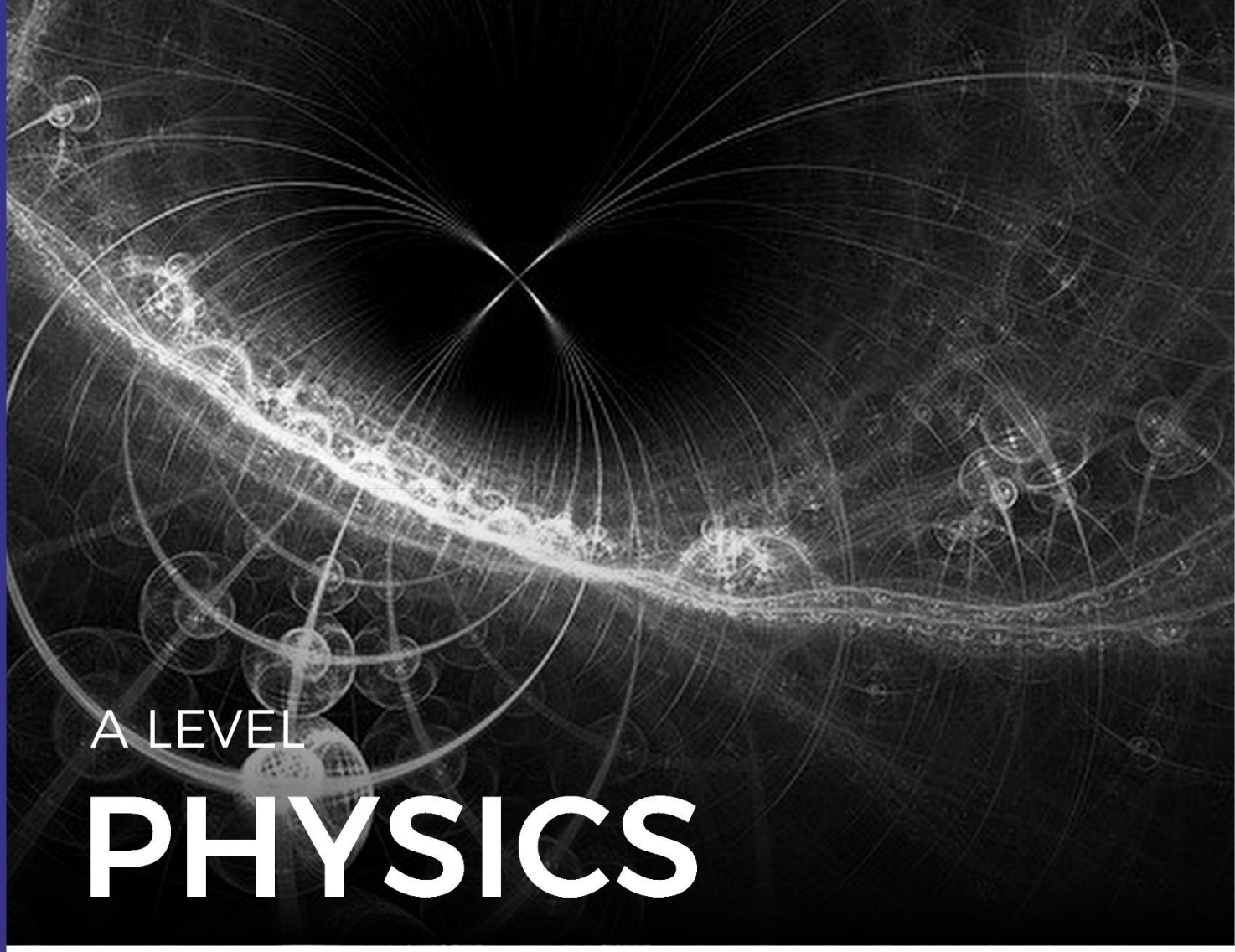
Ownership of a camera is not essential as you can borrow a range of different cameras from school. However, students having their own cameras have the advantage of being able to take photographs at any time and not just when there are cameras available for loan. (Phone cameras seldom produce images of sufficient quality due to an inability to control aperture and shutter speed).

You do not need to have completed a GCSE in this subject to take it at A Level but you do need to be able to control and direct your own work. The nature of the subject is 100% coursework meaning that self-motivation and planning are crucial to ensure success.

## WHICH SUBJECTS LINK WELL?

The course links very well with IT, Media and other Art courses. The course uses digital cameras and image editing software to produce creative outcomes from photographic images – it is not a pure photography course. You will learn how to use digital cameras and you will learn how to use a range of image editing and presentation software.

*The full specification for the subject can be found by searching for OCR Art and Design Photography H603.*



# A LEVEL PHYSICS

## COURSE CONTENT

Year 1

- Working as a Physicist
- Mechanics
- Electric Circuits
- Materials
- Waves and Particle Nature of Light

Year 2

- Further Mechanics
- Electric and Magnetic Fields
- Nuclear and Particle Physics
- Thermodynamics
- Space
- Nuclear Radiation
- Gravitational Fields
- Oscillations

## ENTRY REQUIREMENTS

6+ in Physics or 6s in Combined Science GCSEs. 6+ in Maths.

## CAREER OPPORTUNITIES

With a Physics A Level you could aim for one of these diverse careers using physics:

- Games designer
- Coding
- Architect
- Healthcare
- Hardware technician
- Forensic scientist
- Meteorologist

Or you could go on to further study. Below are just a few of the degree courses where an A Level in Physics will help:

- Engineering
- Medicine
- Architecture
- Computer Science

## WHICH SUBJECTS LINK WELL?

Most other subjects link well but especially Mathematics and other Science subjects.

A LEVEL

# PRODUCT DESIGN

## COURSE CONTENT

A level Product and Graphic Design will encourage students to:

- Make use of knowledge and skills in order to work with tasks that are challenging and interesting.
- Develop and sustain creativity and innovative practice.
- Recognise and overcome challenges and constraints when working towards the production of high-quality products.
- Develop a critical understanding of the influences of the processes and products of design and technological activities from a modern and historical perspective.
- Draw on a range of skills and knowledge from other subject areas.
- Draw on and apply knowledge, understanding and skills of production processes to a range of design and technology activities.
- Develop an understanding of contemporary design and technology practices.
- Use digital technologies and information handling skills to enhance their design and technological capability.
- Recognise the values inherent in design and technological activities and develop critical evaluation skills in technical, aesthetic, ethical, economic, environmental, sustainable, social, cultural and entrepreneurial contexts.

## ENTRY REQUIREMENTS

You will need a 4+ in GCSE Product Design, Engineering or Art.

## CAREER OPPORTUNITIES

Careers in Design, Engineering, Manufacturing, Sales, Marketing, Architecture and Theatre.

## WHICH SUBJECTS LINK WELL?

Art, Maths, Sciences, Humanities and Languages.

# A LEVEL PSYCHOLOGY

## COURSE CONTENT

The course consists of three main elements: research methods, psychological themes and research and applied Psychology.

Students will be expected to be able to carry out small-scale research projects, planning activities and collecting data, then presenting their findings in a formal written research report. They must be able to use statistical techniques to analyse the data.

Learners will also develop their critical thinking and independent learning skills through the analysis and evaluation of research studies and theories in Psychology. Students will study research that represents a variety of research methodologies, issues and debates. They will be expected to be able to discuss the inter-relationship between the different areas and justify differing positions in debates, such as free-will/ determinism, using research to illustrate their viewpoint.

Understanding of Psychology is further developed through the study of how psychological research is used to help our understanding of issues such as mental health and criminality. The application and contribution of Psychology to society and the economy is considered and learners should be able to relate applications to novel situations.

This course enables learners to understand different areas of the subject, for example social, biological or cognitive Psychology, and to develop an understanding of scientific methods. Competence and confidence in mathematical and problem solving skills is developed and learners are prepared for careers associated with the subject.

## ENTRY REQUIREMENTS

5 or above in English, Maths and Science.

## CAREER OPPORTUNITIES

Educational Psychologist, Criminal Psychologist, Organisational Psychologist. Any career in which understanding other people is an integral part e.g.: Teaching, Police, HR, Healthcare and Childcare.

## WHICH SUBJECTS LINK WELL?

PE, English, Philosophy, Biology, Media, History, Maths. Any subject that needs you to analyse and think critically.

# LEVEL 3 EXTENDED CERTIFICATE IN SPORT

## COURSE CONTENT

The qualification prepares learners for a range of higher education courses and job roles related to the sports sector.

There are four units on the course of which two will be assessed through producing presentations, reports and administrating fitness tests. The remaining two units will be externally assessed through examinations. One of the exams will be based around the physiology of sport and the other health, lifestyle and training methods.

Topics include:

- Skeletal, muscular, respiratory, cardiovascular and energy systems
- Nutrition specific to sport and exercise
- Types of fitness training
- Fitness testing

## ENTRY REQUIREMENTS

Ideally a Distinction at BTEC Level 2 in Sport, although students with a merit are welcome, provided they show motivation and commitment to their studies.

Students who have not studied BTEC Level 2 in sport are also welcome, but will need a passion and enthusiasm for developing their knowledge and understanding of sport, health and exercise.

## CAREER OPPORTUNITIES

Previous students from Whitby have gone on to careers including Physiotherapist, Personal Trainer, Nutritionist, PE Teacher, Sports Coach, Sports Scientist and Sports Journalist.

## WHICH SUBJECTS LINK WELL?

Biology, Heath and Social Care, Applied Science and Food and Nutrition.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