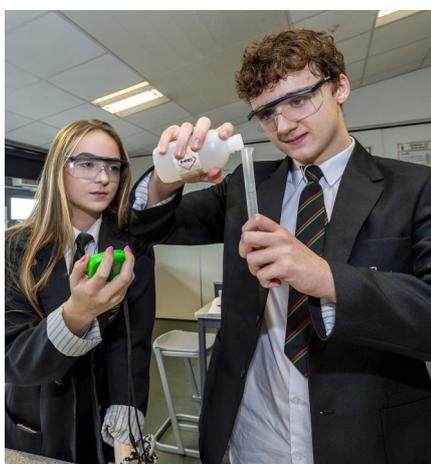


KS4 Course Options

2022—2024



Brannel School



As students choose the subjects they want to continue into Year 10 and 11, we encourage them to take a long term view of their future and recognise that the decisions they make now will have an important influence on their further study and careers once they leave us in Summer 2023.

Students will begin their two year courses in September 2022 and take their final examinations in Summer 2024. All students must continue in some form of education and/or training until they are 18 and many beyond this. It is therefore important that students consider what qualifications would be most suitable for their preferred Post 16 options and their future career opportunities.

Information and advice for Post 16 options and beyond is available through the school and you may also find these links and resources useful.

Callywith College	www.callywith.ac.uk
Cornwall College	www.cornwall.ac.uk
Newquay Tretherras	www.tretherras.net
The Apprenticeship Guide	www.apprenticeshipguide.co.uk
Truro and Penwith College	www.truro-penwith.ac.uk
UCAS	www.ucas.com

Parents/ Carers

Talk to your son or daughter about their interests and what they would like to do in the future

Encourage them to ask questions and find out more about what's on offer

Let them know that the key to their future is in good education, good training and developing skills that employers want

Students

Consider what you want to do at Post 16 and what options will help you with that

Choose a well balanced and varied timetable

Choose the right balance of GCSEs and vocational awards for you

The Wrong Reasons for choosing a subject

- ✗ I like the teacher (because they might not be teaching it next year)
- ✗ All the other subjects are boring or are too difficult

The Right Reasons for choosing a subject

- ✓ I am good at and enjoy that subject
- ✓ I know that these subjects will help my career choice, because I have found out about it
- ✓ I have achieved good marks and grades in

The curriculum at Brannel which is being offered in Key Stage 4, is designed to support all students and give them the opportunity to obtain a balanced suite of qualifications.

There are a range of qualifications being offered at Key Stage 4, many of which have undergone recent reforms. The qualifications being offered are of 2 main types: GCSE and Vocational Awards.

GCSE

- There is one opportunity to sit the examination, which is at the end of the course in Summer 2023
- They are graded from 9 (being the highest pass) to 1 (the lowest pass)
- A grade 5 is classified as a good pass

Vocational Award

- These are high level vocational qualifications that focus on applied knowledge and practical skills
- In most subjects there are two opportunities to sit the exam, with the best result counting towards the final grade
- They are graded from Level 1 pass (equivalent to GCSE grade 1) to Level 2 Distinction* (equivalent to GCSE Grade 8)
- A Level 2 Pass is classified as a good pass

Students are expected to achieve at least 8 qualifications, from the groups detailed below:

Compulsory (3 GCSEs)

English Language, English Literature and Maths

Ebacc (at least 3 GCSEs)

All students will take

Either Combined Science (2 GCSEs) and choose an additional one from French, Geography, History, French, Spanish and Computer Science

Or take Triple Science (3 GCSEs)

Open (3 GCSEs or Vocational Awards)

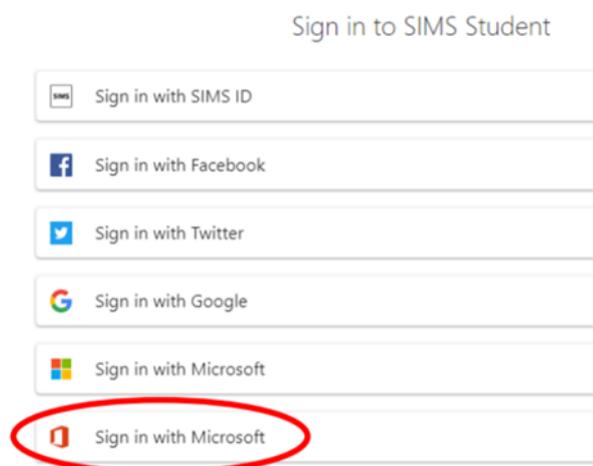
Choose from

Animal Care, Art, Child Development, Computer Science, Construction, DT, French, Geography, History, Hospitality, iMedia, Music, Performing Arts, Photography, PE, Spanish, and Engineering (To be confirmed)

How to make your choices through SIMS Student and Options

Students will first need to register with SIMS Student. Invitations have been sent to students through their school email addresses.

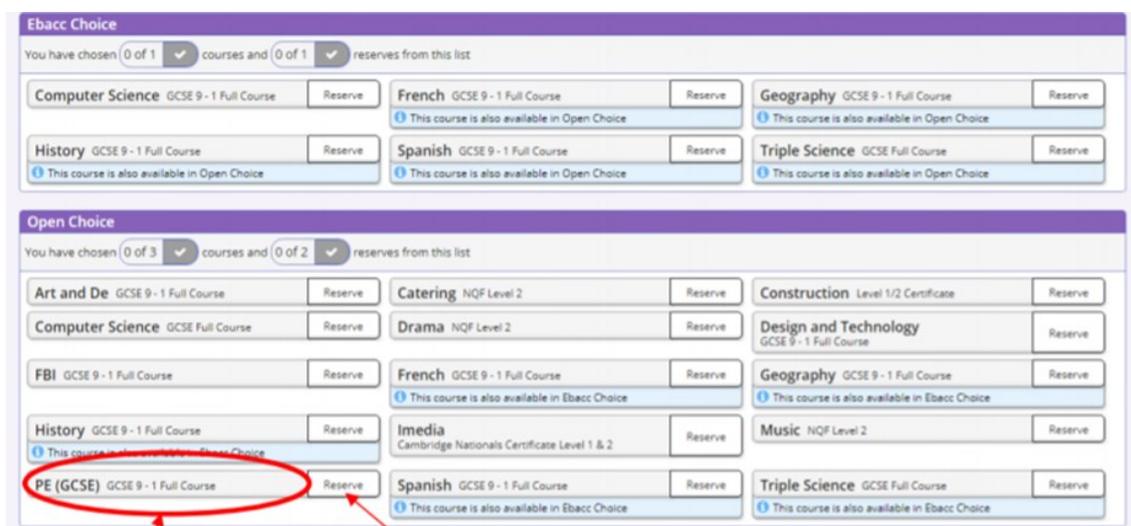
Once students have received the invitation, they will need to follow the on screen instructions, signing in with the “Sign in with Microsoft” option.



Students MUST NOT select the Facebook/ Twitter/ Google options

Once registered for SIMS Student, students will have access to SIMS Options, which can be accessed using this link: <https://www.sims-options.co.uk> Students and parents/ carers can then visit this online portal together.

Each child’s individual options choices will be available to them. For example:



Click on the subject name to select it as a main choice, or the reserve button to the right of it to select it as a reserve.

You cannot select the same subject as a main choice and a reserve.

Once choices have been made, click **Save** at the top of the page.

Students can add further comments should they wish to. It would be useful if this could include what they are hoping to do after school, or any career paths they are thinking about.

Computer Science

GCSE



Why should I study Computer Science?

The department encourages students with an interest in the latest technology, programming, ICT and electronics, coupled with strong skills and understanding in Mathematics and Physics to consider studying GCSE Computer Science as a subject.

Studying Computer Science will enable you to get inside one of the single most powerful tools the world has seen. It is important to understand and appreciate the fundamentals of computing, as computers figure in all avenues of our lives, within science, technology, manufacturing, research, medicine, etc. Computing, therefore, influences and affects everything we do in society today.

What will I study?

The course will equip pupils to think logically, to assess and analyse problems. It requires pupils to be innovative as well as creative. The course will enable you to:

- understand and apply the fundamental principles and concepts of computer science, including abstraction, decomposition, logic, algorithms, and data representation
- analyse problems in computational terms through practical experience of solving such problems, including designing, writing and debugging programs
- think creatively, innovatively, analytically, logically and critically
- understand the components that make up digital systems, and how they communicate with one another and with other systems
- understand the impacts of digital technology to the individual and to wider society
- apply mathematical skills relevant to computer science

How will I be assessed? (OCR)

100% written exam (plus a Non Examined Assessment which does not count towards the final grade)

Paper 1 Computer Systems Written Exam (90 mins) 50% of the qualification

- Systems architecture, networks, security and software

Paper 2 Computational Thinking, Algorithms and Programming Written Exam (90 mins) 50% of the qualification

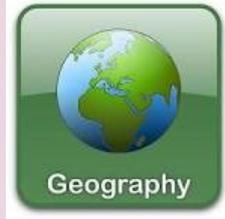
- Computational thinking, programming techniques, problem solving, and applied computing

What will Computer Science enable me to do when I leave Brannel?

It is widely known that there is a shortage of programmers and computer scientists in the UK. The software design industry, the gaming industry, cyber security, mobile technologies have expanded massively in the past decade has led to computer scientists being highly sought after. As well as the ample choice of careers linked to computer science the subject will also help with pupils logical reasoning, creativity and practical problem-solving skills. Cornwall is quickly becoming a digital hub with many jobs in the local area and a wide variety of digital technology based courses and colleges.

Geography

GCSE



Why should I study Geography?

Geography is a subject that helps students develop knowledge and understanding of the local area and the planet itself. It helps you to understand the human and physical features of the world.

What will I study?

Students will study the following topics:

- Natural Hazards
- Rivers and Coasts in UK
- Ecosystems
- Urban Areas
- Economic World
- Resource Management

How will I be assessed? (AQA)

100% written exam

Paper 1 Living with the Physical Environment Written Exam (90 mins) 35% of the qualification

Paper 2 Challenges in the Human Environment Written Exam (90 mins) 35% of the qualification

- Urban Issues and Challenges
- Changing Economic World
- Resource Management

Paper 3 Geographical Applications Written Exam (75 mins) 30% of the qualification

- Issue Evaluation
- One physical and one human fieldwork

What will Geography enable me to do when I leave Brannel?

“Geography is the subject which holds the key to our future.” Michael Palin

Further study: Geography, World Development, Environmental Science, Geology, Countryside Management

Careers: Surveyor, GIS Specialist, Armed Forces, Aid worker, Estate Agent, Town planner, Conservation worker, Environmental scientist, Sustainability, Meteorologist, Engineer, Teacher

History



Why should I study History?

GCSE History will help you understand how the world you live in was shaped and make you consider today's society in a different way. It links to some of the 20th Century topics you have studied in Year 8 and expands on that basic knowledge using sources skill and historical interpretations to develop a deeper understanding.

The course will help you to understand some of the most important problems of international affairs which face us today. You will have the opportunity to develop the skills to look beyond the headlines, to ask well constructed questions and to form and share your own opinion. History is a literary subject,

What will I study?

- Medicine in Britain, c1250–present and The British sector of the Western Front, 1914–18: injuries, treatment and the trenches
- Superpower relations and the Cold War, 1941–91.
- Anglo-Saxon and Norman England, c1060–88.
- Weimar Germany and the rise of Nazism.

How will I be assessed? (Edexcel)

100% written exam

You will be assessed across 4 key skills :

- AO1: Your ability to recall the key features and characteristics of the periods studied.
- AO2: Your ability to explain and analyse historical events and periods studied using historical concepts such as causation, consequence, similarity, difference, change, continuity and significance.
- AO3: Your ability to analyse, evaluate and use primary sources.
- AO4: Your ability to analyse, evaluate and make substantiated judgements about secondary sources or interpretations (including how and why interpretations may differ) in the context of historical events studied.

Paper 1 Thematic study and Historic Environment Written Exam (75 mins) 30% of the qualification

Paper 2 Period study and British Depth Study Written Exam (105 mins) 40% of the qualification

Paper 3 Modern Depth Study Written Exam (80 mins) 30% of the qualification

What will History enable me to do when I leave Brannel?

History is one of the most looked for qualifications by employers and a good foundation for any academic route or occupation. The historian needs to analyse complex information, undertake research, produce reports and detect bias. These skills are very useful for journalism, broadcasting, legal work, accounting, police, management, and the Civil Service etc. History is also very useful as the skills you develop can be used in other subjects, for example English, Geography and Critical Thinking.

Modern Languages GCSE

French & Spanish

Why should I study a Modern Language?



Are you someone who is interested in other cultures? Are you intrigued by travel and the world around you? Do you enjoy a challenge? As well as the reasons mentioned above, studying a language is a qualification that will get you noticed, particularly when applying for university.

Students who choose to study a language are typically those who already have an interest in the subject, are prepared to work hard and have a 'can-do' attitude. Given that you will be examined in four different skill areas, current GCSE language students have said they enjoy the course because it is not always written work.

What will I study?

There is an increase in the challenge at GCSE, but the same skills are covered - reading, listening, speaking, writing, and even some of the same topics, just in more depth. You will study the importance of customs and traditions, festivals, food and drink, education, a brief geography of French or Spanish speaking countries and global issues such as environmental issues and social challenges. We use the Language Gym, Blooket and other online tools to boost confidence with learning vocabulary and allow you to become more independent learners. The role-play part of the speaking exam allows students to become proficient in transactional language set in real-life situations such as reserving a table in a restaurant, checking in to a hotel, buying tickets or asking for directions.

How will I be assessed? (Edexcel)

100% Exam Either Foundation (grades 1-5) or Higher (grades 4-9)

There are four exams in total — one for each of the four skills: listening, speaking, reading and writing. Each exam is worth 25% of the final grade.

If you have changed language at any point in KS3 you will be able to select your preferred language.

What will a Modern Language GCSE enable me to do when I leave Brannel?

Studying a language will enable you to study languages at further education, both at college and university. Studying a language isn't just about learning how to read, write and speak it; you will acquire many transferable skills such as problem-solving, interpreting and presenting that are valued in many careers. UK graduates in modern languages have been shown to have one of the lowest unemployment rates given their flexibility. For example journalism, marketing, travel and tourism, law or even joining the military or police force are all areas where a modern language will speak volumes on your CV.

Separate Sciences

GCSE (Triple Award)



Why should I study Triple Science?

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all students should be taught essential aspects of the knowledge, methods, processes and uses of science. The most employable degree students around the world are those with qualifications in Science and Engineering.

Students selecting the separate Sciences will have an interest in the subject, will study a broader range of scientific concepts, and will be awarded separate GCSE qualifications in Biology, Chemistry and Physics.

What will I study?

Studying the Separate Sciences means students will cover extended content in the topics included in the GCSE Combined Sciences section of this document. It will provide great preparation for AS and A-levels. Each of the units will build on the core principles of that discipline. Students will learn many key facts and concepts in Biology, Chemistry, Physics, apply mathematical reasoning and develop extensive 'Working Scientifically' skills.

How will I be assessed? (AQA)

100% written exam Either Foundation (grades 1-5) or Higher (grades 4-9)

6 Written Exams, 2 of each subject (105 mins each)

- Biology
- Chemistry
- Physics

Practical skills will now be assessed in the exam paper making up at least 15% of the marks on each paper. Students will complete the required practicals as outlined by AQA, alongside many others!

What will Separate Sciences enable me to do when I leave Brannel?

Further Study: Level 3 science courses—A levels, BTECs, Diplomas, OCR Nationals. Science, Engineering and Medical degree courses

Careers: Follow one of the many careers that science and engineering feeds into, such as, Doctor, Dentist, Biochemist, Physicist, Chemical Engineer, Nuclear scientist, Astrophysicist, Teacher, Lecturer, Inventor, Meteorologist, Environmental scientist, Physiotherapist.

Behind every industry, profession and future innovation there is a scientist.

Animal Care

Vocational Award

Why should I study Animal Care

The Pearson BTEC Level 1/Level 2 Tech Award in Animal Care (603/7057/9) is for learners who want to acquire sector-specific applied knowledge and practical skills through vocational contexts. The qualification enables learners to develop their practical skills, such as using appropriate equipment and techniques to handle and restrain different animals, and to prepare and clean out animal accommodation ready for use using realistic vocational contexts. It will also develop personal skills, such as self-management and communication, through a practical and skills-based approach to learning and assessment.

What will I study?

Components 1 and 2

- Animal behaviour and the factors that affect behaviour in animals, and how this relates to handling and restraint; and when it is safe or unsafe to carry out handling and restraint
- The practical application of safe handling and restraining techniques for different animals, and the safe use of equipment
- Features that need to be taken into account when selecting accommodation for animals to ensure their needs are met
- The use of appropriate equipment to prepare, check and clean out animal accommodation

Component 3

Animal Health and Welfare requires learners to know about signs of good and ill health in animals; the causes, transmission and treatment of common diseases in animals; the different health and monitoring checks that need to be carried out and why; the use of animals in society; and the related ethical and legal aspects

How will I be assessed? (Pearson BTEC Level 1/Level 2 Tech Award in Animal Care)

33% Written Exam 67% Non examined Assessment

Component 1: Animal Handling Non-exam internal assessment completed in approximately 2 hours of monitored preparation and 6 hours of supervised assessment. 60 marks.

Component 2: Animal Housing and Accommodation Non-exam internal assessment completed in 6 hours of supervised assessment. 60 marks

Component 3: Animal Health and Welfare External assessment completed under supervised conditions. completed in 2 hours within the period timetabled by Pearson. 60 marks.

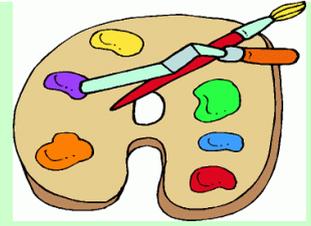
What will Animal care enable me to do when I leave Brannel?

Study for an apprenticeship

Support progression into specialized Level 3 qualifications in animal management

Enter employment into an animal care job role

Art GCSE



Why should I study Art?

Art and Design is a subject that nurtures and develops creative thinking through visual outcomes. It gives students the opportunity to express themselves and explore topics of personal interest creatively in a variety of media, learning new techniques and approaches. Look around you: art is everywhere, in nature and manmade materials.

Art enhances fine motor skills, hand-eye co-ordination, problem solving skills, lateral thinking and critical thinking skills.

This is your chance to express yourself and your interests through your art. Your sketchbook will be used in every lesson and will become the starting point of everything you explore, investigate, research and develop. The two year course will culminate in a final exhibition in which all students' work will be on display.

What will I study?

The course is made up of four assessment objectives which have been selected to give you a range of skills including investigating and recording, experimentation, specialist 3D skills, painting, printmaking, manipulation of imagery using ICT and textiles, drawing and analysing and evaluating the work of a range of artists .

You will create a portfolio of work, which will include supporting studies in a sketchbook that clearly shows an exploration and development of the unit.

You will be expected to work independently outside of regular lessons, spending a minimum of two hours on this each week.

How will I be assessed? (Art)

Component 1 Portfolio of work including a sustained project 60% of the qualification

Component 2 Practical Exam (10 hours + preparation time) 40% of the qualification

What will Art enable me to do when I leave Brannel?

You can continue your studies at A level, vocational level 3 courses and into further education and degree level.

Art and Design can support or lead to many career opportunities in related fields such as media, fashion, design and manufacturing, graphics, illustration, advertising, theatrical design, teaching and architecture.

Child Development Vocational Award



Why should I study Child Development?

Cambridge National in Child Development will inspire and equip you with independence and confidence in using skills that are relevant to the childcare sector.

What will I study?

You will study three different units:

Unit 1 – In this unit you will learn about the importance of pre-conception health and reproduction, antenatal care and preparation for birth. You'll also learn about postnatal care and the conditions in which a child can thrive.

Unit 2 – In this unit you will learn how to create a safe environment for children from birth to five years in childcare settings. You'll research and choose equipment that is suitable and safe for use and will learn about children's nutrition and dietary needs.

Unit 3 – In this unit you will learn the physical, intellectual and social developmental norms for children from one to five years. You'll understand the importance of creating plans and providing different play activities to support children in their development.

How will I be assessed? (OCR Cambridge National Certificate)

40% Written Exam 60% Non Examined Assessment (Coursework)

Unit 1: Health and well-being for child development

- Written Exam (75 mins) 40% of the qualification

Unit 2: Create a safe environment and understand the nutritional needs of children from birth to five years

- Non Examined Assessment 30% of the final qualification

Unit 3: Understand the development of a child from one to five years

- Non Examined Assessment 30% of the final qualification

What will Child Development enable me to do when I leave Brannel?

You could continue your studies with a T Level Technical Qualification in Education and Childcare or an Apprenticeship in Early Years Education (Level 3) or Cambridge Technicals Health and Social Care (Levels 2 and 3) or an A Level in Sociology (Level 3). This subject is a suitable qualification for anyone who is interested in a career in a Childcare setting; including childminding, as well as Early Years Education including play group leading, nursery nursing and nursery teaching. It is also a valuable qualification for any career linked with early years children, such as, nursing or social work.

Construction Vocational Award



Why should I study Construction?

This is a hands on practical course that teaches the best practice of the modern day construction industry. You will be learning the skills that can be used to refurbish a building or creating a new build during the course.

What will I study?

You will be learning to plan, organise resources & materials and understand safety procedures that are required to carry out a task. During this course you will learn a range of skills in at least 3 areas from the following list .

- Carpentry, Brick laying, Plastering, Decorating, Tiling, Electrical, Plumbing and Heritage skills

Health and Safety is key to the modern day construction industry and this will be a main focus throughout the course. You will learn about PPE, safe disposal of materials, setting out a site, calculations, building regulations and specifications, symbols and terminology of the building industry.

The course is split between practical and theory work.

How will I be assessed? (WJEC Technical Award in Construction and the Built Environment)

40% Written Exam 60% Non Examined Assessment

Unit 1 Introduction to the Built Environment Written Exam (90 mins) 40% of the qualification

Unit 2 Constructing the Built Environment Non Examined Assessment 60% of the qualification

What will Construction enable me to do when I leave Brannel?

Construction and the Built Environment is a good step for anyone looking at going into the build industry; Electrician, plumber, decorator, block laying, carpenter, joiner, site supervisor, health and safety advisor, machinery operator.

Creative iMedia

Vocational Award

Why should I study creative iMedia?

If you like creating things on the computer, then Creative iMedia is the course you for you. It is a blend of Art, Media and Computing, allowing you to be creative, technical and solve problems.

What will I study?

- **R093: Creative iMedia in the media industry** This unit is based on all aspects of planning projects from Mood boards to Gantt Charts. It will also develop their understanding of the client brief, time frames, deadlines and preparation techniques that form part of the planning and creation process of media products. For the assessment of this unit, the students will be entered for an exam.
- **R094: Visual identity and digital graphics** This unit centers around digital images and the use of Photoshop to edit photographs and images to suit given situations. For the assessment of this unit pupils will complete a piece of coursework in their lessons.
- **R099: Digital games** Through this unit, students will examine the basics of creating digital games and their environments for the creative and digital media sector. Using Gamemaker or Unity software they will also develop the know-how to create a playable game from an existing design or brief. For the assessment of this unit pupils will complete a piece of coursework in their lessons.

How will I be assessed? (OCR Cambridge National Certificate)

40% Written Exam 60% Non examined Assessment (R094—25%, R099 —35%)

What will Creative iMedia enable me to do when I leave Brannel?

The Creative iMedia course will allow you to develop your creative and problem solving skills which are required in most industries. It also allows you to further improve your digital computing skills which many colleges, universities and employers want to see that you have.

The course could be a first step towards many digital media related careers such as computer game programmer, graphic designer, animator, web developer, social media marketer, TV or film producer and many others.

Design Technology

GCSE



Why should I study Design Technology?

Design and Technology is a practical subject area which requires the application of knowledge and understanding when developing ideas, planning, producing products and evaluating them. The DT GCSE allows students to study core technical and designing and making principles, including a broad range of design processes, materials, techniques, and equipment.

What will I study?

Over the 2 years of this course, you will cover a wide range of topics that will allow you to be able to select the appropriate material for a task and also be able to explain how the material is sourced.

You will cover the following areas:

- Actively engage in design and technology.
- Make decisions, consider sustainability, and combine skills with knowledge and understanding in order to design and make quality products.
- Explore ways in which aesthetic, technical, economic, environmental, ethical, and social dimensions interact to shape designing and making.
- Analyse existing products and produce practical solutions to needs, wants and opportunities, recognising their impact on quality of life.
- Develop decision-making skills through individual and collaborative working.
- Understand that designing and making reflect and influence cultures and societies, and that products have an impact on lifestyle.

Develop skills of creativity and critical analysis through making links between the principles of good design, existing solutions, and technological knowledge.

How will I be assessed? (AQA)

Component 1 Written Exam (120 mins) 50% of the qualification

Core technical principles, Specialist technical principles, Designing and making principles

Component 2 Practical Project Non examined Assessment 50% of the qualification

This is a project of your own choice using the skills that you have learnt over the course. It is an Independent study, where you research, design, make and evaluate your new product. This product has to be designed in a way so it can be manufactured commercially.

Students will be expected to put in extra time if necessary to keep up with project deadlines

What will Design Technology enable me to do when I leave Brannel?

Product Design is a good step for anyone looking at going into a design based career; architecture, engineering, design, manufacturing or the construction industry.

Drama

Vocational Award



Why should I study Drama?

A laboratory of imaginative exploration, BTEC Drama lessons encourage you to think outside of the box and to shape and realise your own ideas and creative intentions.

The BTEC Drama course offers students the chance to develop sector-specific knowledge and skills in a practical learning environment. Pupils will engage with various styles of theatre that provide a platform for them to express their creativity.

As a Royal Shakespeare Company Associate School, Brannel Drama students have opportunities to perform and audition for District and National Theatre events. BTEC students also gain industry experience in the annual Drama Secondary Showcase.

What will I study?

The subject is taught in a practical, student-led style and offers you independence and freedom to expand horizons and develop self-confidence. Throughout the course, you also develop teamwork and presentation skills, vital for success in all career choices.

- Reproducing repertoire and responding to stimuli
- Rehearsal and performance
- Personal management and communication
- Performance disciplines and styles

How will I be assessed? (BTEC Tech Award)

40% Synoptic Assessment 60% Non Examined Assessment

Component 1. Exploring the Performing Arts.

- Learners will examine professionals work and the processes used to create a performance, evidencing research and practical exploration in a portfolio.

Component 2. Developing Skills and Techniques in the Performing Arts.

- Learners will develop their Performing Arts skills and techniques through the reproduction of acting repertoire as performers or designers against a given theme and vocational context.

Component 3. Responding to a Brief.

- Learners will work as part of a group to create a workshop performance using a given stimuli. Pupils can choose to do this as a performer or as a designer.

What will Drama enable me to do when I leave Brannel?

Drama requires a great deal of peer trust, and so it plays an important role in teaching communication, listening and empathy skills. The skills that are learnt by studying drama are invaluable in later life.

Drama can help to unlock the use of imagination, intellect, and hidden courage. Through Drama, ideas, responses and feelings can be expressed and communicated.

Studying Drama improves social skills and allows learners to feel confident when presenting ideas in front of others. Students perfect the art of teamwork through Drama, as it is vital to success in production. Drama also helps to progress skills in improvisation and problem-solving.

Engineering Vocational Award



THIS SUBJECT IS ONLY BEING PROVISIONALLY OFFERED AND WE CANNOT GUARANTEE ITS AVAILABILITY IN SEPTEMBER

Why should I study Engineering?

Do you ever look around your home and think of handy products that could improve people's lives or get inspired by the amazing feats of engineering all around you? Are you creative, and want to start building the skills you need for a successful career in the engineering industry?

What will I study?

Unit 1 - Manufacturing engineering components

Have the opportunity to interpret different types of engineering information in order to plan how to manufacture engineering products. Develop knowledge, understanding and skills in using a range of engineering tools and equipment in order to manufacture and test a final product.

Unit 2 - Designing engineering products

Explore how an engineered product is adapted and improved over time. It offers the opportunity to apply your knowledge and understanding to adapt an existing component, element or part of the product that you will have manufactured for Unit 1.

Unit 3 - Solving engineering problems

Introduced to a range of considerations that impact on engineering design and how modern engineering has had an impact on modern day life at home, work and in society in general

How will I be assessed? (WJEC) L1/L2 Technical Award

Unit 1 - Will involve producing a manufacturing product, which will be worth 40% of the qualification. This can range from a basic hand tool to complex machinery. The product will need to be developed over 20 hours.

Unit 2 - Will also be assessed through project work and will be worth 20% of the qualification. Here you will apply your problem-solving skills to answer a brief and produce a solution. You will produce your solution over 10 hours.

Unit 3 - Will involve a single exam, which is worth 40% of your qualification. The exam will last 1 hour and 30 minutes. The exam will be made up of multiple-choice questions, and short and extended answers.

What will engineering enable me to do when I leave Brannel?

You will develop a range of skills which are attractive to employers, colleges and universities including: Communication, Critical thinking, Learning independently, Research, Taking on responsibility and Time management.

There are a wide range of career opportunities within the field of engineering, for example:

Aerospace engineer, Biomedical engineer, Civil/structural engineer, Computer engineer, Electrical/electronic engineer, Environmental engineer, Marine engineer, Mechanical engineer and Product engineer.

Hospitality & Catering

Vocational Award



Why should I study Hospitality & Catering?

Catering is not just a career opportunity; it is a life skill that will enable you succeed in health, wellbeing, work and your future. The hospitality industry is one of the biggest employers within the UK.

You should be confident in the work you have completed at KS3 and have a real interest in developing your knowledge and skills within the subject.

What will I study?

The WJEC Level 1/2 Vocational Award in Hospitality and Catering is made up of two mandatory units:

- Unit 1: The Hospitality and Catering Industry (Written Exam)
- Unit 2: Hospitality and Catering in action (Practical and Coursework based)

This course has been designed to develop your knowledge and understanding related to a range of hospitality and catering providers; how they operate and what they have to take into account to be successful. You will learn about issues related to nutrition and food safety and how they affect successful hospitality and catering operations.

In this qualification, you will also develop food preparation and cooking skills as well as transferable skills of problem solving, organisation, time management, planning and communication.

How will I be assessed? (Eduqas WJEC Level 1/Level 2 Technical Award)

Component 1: The Hospitality and Catering Industry Written Exam (100 mins) 40% of the qualification

- Hospitality and catering provision
- How hospitality and catering providers operate
- Health and safety in hospitality and catering
- Food safety in hospitality and catering

Component 2: Hospitality and Catering in action Non Examined Assessment. 60% of the qualification

You will plan, make and present suitable dishes to a given brief.

- The importance of nutrition
- Menu planning
- The skills and techniques of preparation, cooking and presentation of dishes
- Evaluating cooking skills

What will Hospitality & Catering enable me to do when I leave Brannel?

Further study: Level 3 qualifications in Food Science, Nutrition or Professional Cookery

Employment in hospitality and catering can range from waiting staff, receptionists and catering assistants to chefs, hotel and bar managers and food technologists in food manufacturing. All of these roles require further education and training either through apprenticeships or college courses and university courses.

Music and Music Technology

Vocational Award



Why should I study Music/Music Technology?

Music teaches us to be creative and to develop our confidence as well as to build skills in teamwork and leadership. In today's modern world, music education has many pathways. Alongside the traditional routes of performance and composition, music technology is opening up the creation of music to a much wider audience and changing the way we engage with music making and performance. The creative industry is one of the fastest growing in the country and there are many higher education and job routes available.

A Music Vocational Award will help you gain skills and understanding to develop as an individual as well as a musician. The nature of the vocational qualification enables pupils to access more traditional forms of music making and composition as well as music technology including use of sequencing using a Digital Audio Workstation, DJing, recording and using live sound systems. Those accessing the music technology route do not need to play an instrument.

What will I study? EDUQAS Performing Arts Music or Music Technology Pathway.

Unit 1 Performing. You will recreate music for a performance. This can include a more traditional performing route or may use DJing skills or the use of music technology and sequencing to realise a recorded performance.

Unit 2 Creating: You will compose/create an original piece of music using traditional methods and/or music technology.

Unit 3 (40%) External controlled assessment: Performing Arts in Practice: You will work to a brief commissioned by an arts organization for this externally assessed unit.

How will I be assessed? (Eduqas Performing Arts: Music or Music Technology Pathway).

Unit 1 (30%) Internally controlled assessment: Performing including traditional instrumental performances, group performances, DJing or computer sequenced recorded material in a variety of genres.

Unit 2 (30%) Internally controlled assessment: Creating through composition (melody, harmony, tonality, form, structure, dynamics, scores etc) OR music technology (elements of music, effects, sampling, panning, sequencing, live and recorded sound).

Unit 3 (40%) Externally controlled assessment: Performing Arts in Practice: Responding to a brief set by the exam board that focusses on the use of music or music technology within the industry you will plan and

What will Music enable me to do when I leave Brannel?

The fast growing creative industry has many roles: Producer, Arranger, Composer, Promoter, Artist Management, Venue Management, Tour Management, Teacher/instrumental teacher (school and private), Music Therapist, Voice and Speech therapist, Music Journalist, Public Relations, Radio Broadcaster, Session Musician, Marketing, Instrument Technician, Luthier, Musical Director, Songwriter, Recording Engineer, Live Sound Technician, DJ and many more.

Physical Education

GCSE



Why should I study PE & Sport?

Sport is a high-profile and expanding industry and in the UK, sport now ranks within the top 15 sectors in the country and its wider economic benefits mean it plays a huge part in our society. Through your involvement in your chosen activities and programme of study, you will acquire confidence and self-esteem, along with developing your skills and decision making across a range of sports/activities.

The GCSE PE course will challenge your theoretical and practical ability. To be successful on this course, you will be required to show a high level of theoretical understanding to compliment an excellent level of practical performance and fitness.

What will I study?

GCSE

The syllabus provides you with the opportunity to study both the practical and theoretical aspects of Physical Education.

Subject content for the theoretical study covers 7 different areas: Applied anatomy and physiology, movement analysis, physical training, Use of data. sports psychology, socio-cultural influence and health, fitness and wellbeing.

How will I be assessed?

GCSE (AQA)

Practical performance in 3 different activities and evaluation of 1 activity 40% of the qualification

Paper 1 The Human body & movement Written Exam (75 mins) 30% of the qualification

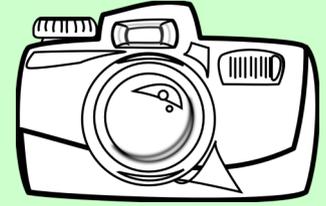
Paper 2 Socio-cultural influences and well-being Written Exam (75 mins) 30% of the qualification

What will PE & Sport enable me to do when I leave Brannel?

Sport and Sport Science at level 3 and degree level. Sport and sport related careers include Sport analyst, Physiotherapist, Sports Journalist, Coach, Teacher, Centre management

Photography

GCSE



Why should I study Photography?

Photography is an exciting medium that can be used in many different ways. These ways of utilising photography are artistic, commercial, advertising, personal, industrial, through fashion and architectural uses. Photographs can be used on the web or as beautiful printed objects. This course will teach you to look at the world in a creative way. The creative potential stimulated in this course will enable you to apply creative, analytical and critical thinking to any other course that you do.

To be successful on this course you need to be flexible, committed, determined, creative and imaginative.

What will I study?

In GCSE Photography you will work on themed projects using digital and film cameras to explore areas of lens-based and light-based media. You will learn how to use a range of photographic styles, including portraiture, still life and documentary, as well as learning to manipulate and edit images using Photoshop. The course involves trips to galleries and exhibitions as well as the opportunity to take part in workshops and on location with professional photographers.

You will learn about a variety of photographic media, techniques and processes including hands-on experimentation with traditional and digital media. You will learn how to use a range of photographic styles, including portraiture, still life and documentary, as well as learning to manipulate and edit images using Photoshop.

You will develop an awareness of critical analyses of artists' work helping to develop your own ideas through awareness, practical application and written reflections. You will use sketchpads and workbooks to demonstrate all practical learning, ideas development and critical analysis.

Photography may offer a highly creative and hands-on alternative to other subjects you may be studying at GCSE

How will I be assessed? (AQA)

Component 1 Portfolio of work including a sustained project 60% of the qualification

Component 2 Practical Exam (10 hours + preparation time) 40% of the qualification

What will Photography enable me to do when I leave Brannel?

Photography could lead to academic or vocational degrees relating to press photography, photojournalism, fine art, editing, fashion photography or styling, the film industry, forensic science, curating, image library.

You can continue your photography studies at AS and A level, vocational courses in further education and degree level courses at University.