

2020 THE GAINSBOROUGH ACADEMY YEAR 9 INTO YEAR 10 OPTIONS BOOKLET



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INTRODUCTION




We hope that you will find this booklet useful as you decide on your option choices for Year 10 and Year 11. Each subject has been prepared by subject Directors and Leaders.

The specifications, courses and exam boards are selected by the school to enable students access to the most appropriate curriculum. You will be given every opportunity to have discussions with subject staff with regards to what the course entails, how it is assessed and what future education or career paths it will open up.

In Year 10 and 11 as well as studying a Core Curriculum you will be able to choose four subjects from the following:

- Art, Craft & Design
- Childcare
- Construction
- Drama
- Engineering
- IT
- Sport Studies
- Spanish
- Geography
- History
- Additional Core

Whilst we try to facilitate all requests, there are sometimes circumstances out of our control that mean we cannot meet all requests.



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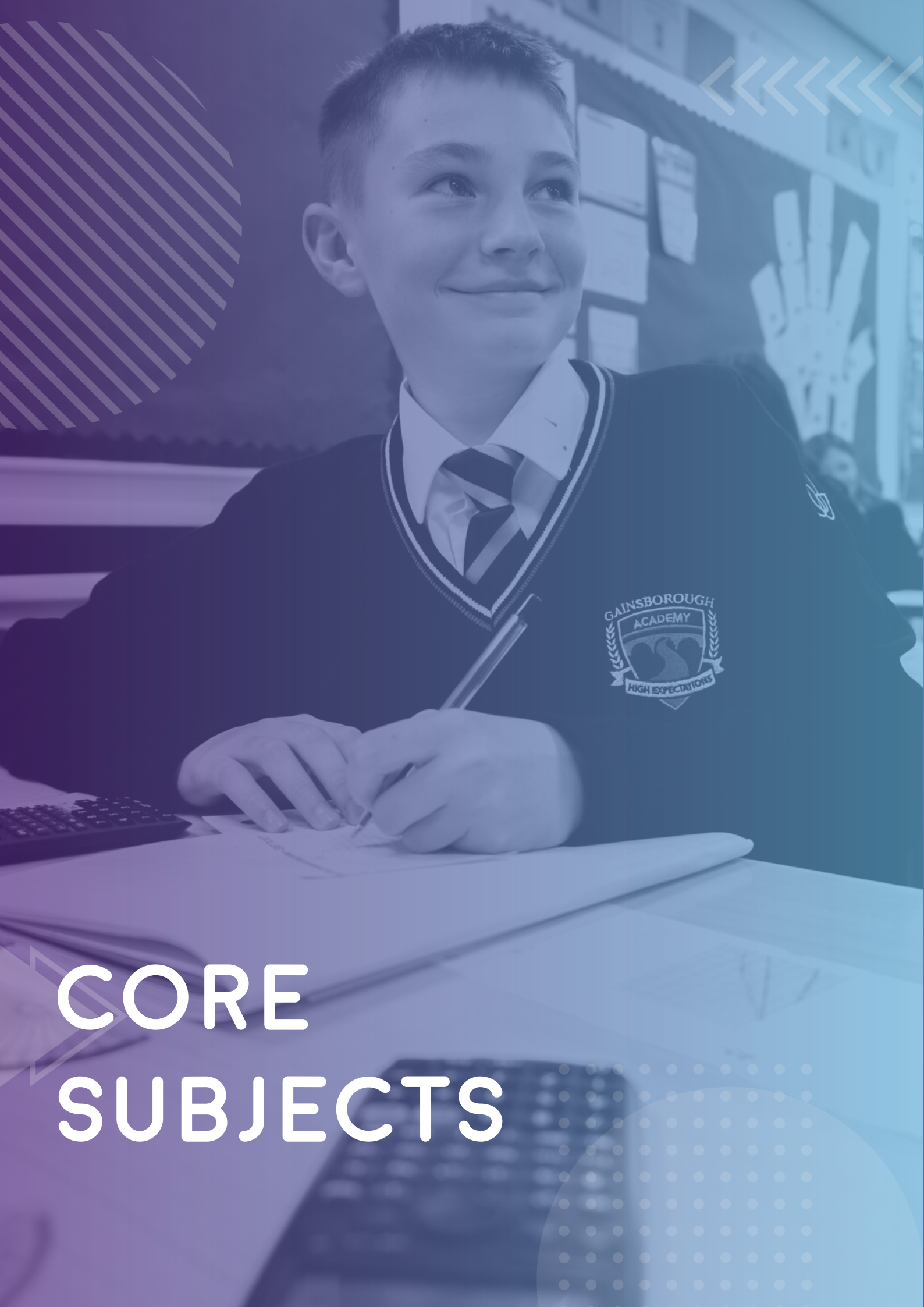
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CORE SUBJECTS



WHAT ARE CORE SUBJECTS?

Core subjects are compulsory national curriculum subjects that all secondary students will study throughout their education up to KS4.

Students will continue to study English, Maths, and Science (Chemistry, Biology, Physics) until the end of Year 11 and gain a GCSE in these subjects alongside the GCSE's they will gain from their option subjects.

Students continue to be supported throughout their KS4 journey with weekly Physical Education lessons and 1 lesson every 2 weeks in PSHE and RE.

WHY STUDY ENGLISH LANGUAGE?

Language is all around us and it is something we use every day.

English not only teaches you about language but also how to use it effectively, and respond to it with understanding.

Literacy skills are developed in English lessons that will help you in other subject areas in school, in everyday life and in your future career.

WHY STUDY ENGLISH LITERATURE?

English Literature will not only help you develop your reading and analytical skills but will also provide you with the opportunity to enjoy and appreciate a range of texts from different genres.

WHAT SKILLS WILL I GAIN?

In English Language / English Literature you will develop the ability to write accurately and analytically, in a range of styles and for a variety of purposes.

You will also be able to read and respond to a range of texts with understanding and insight. You will develop skills as a speaker for different situations.

ENGLISH LANGUAGE / LITERATURE

WHAT WILL I LEARN ABOUT IN ENGLISH LANGUAGE / LITERATURE?

The course requires you to read a wide range of poetry, plays and novels and respond to them in four exams in Year 11.

The key areas of study focus on:

- The study of a Shakespeare play
- A range of poems from a chosen collection
- A 19th Century novel and a modern novel or play
- Descriptive and Narrative Writing
- Writing to express a viewpoint
- Analysis of non-fiction and literary texts

HOW WILL I BE ASSESSED?

All students are entered for both English Literature and English Language.

As part of the Language course you will complete a Speaking and Listening task which will also be awarded a grade on your GCSE certificate.

Make sure you understand exactly what you need in order to pass your English examinations. If in doubt, ask! There will be four exams at the end of Year 11

WHAT DO EMPLOYERS THINK ABOUT ENGLISH LANGUAGE / LITERATURE?

The skills you gain in English Language, such as the ability to read, write and speak with confidence, are highly valued by employers.

Most further education establishments and many employers look for a high quality GCSE qualification in English Language.

Skills learnt in GCSE English Literature such as literacy, analysis, communication, empathy and the ability to develop ideas and a line of argument, are useful in many jobs.



WHY STUDY SCIENCE?

Science affects your life in many ways - the clothes you wear may include man-made fibres, the food you eat may contain chemical colourings, household appliances contain electric circuits.

All Science courses encourage you to acquire a body of scientific knowledge and develop an understanding of Science including its power and limitations; develop experimental and investigative abilities; develop an understanding of the nature of scientific ideas and activity and the basis for environmental applications of Science and of the economic and social implications of these.

WHAT SKILLS WILL I GAIN?

- Plan strategies to develop and test ideas
- Select, organise and present information clearly and logically
- Analyse critical data using knowledge and understanding
- Use ethical, moral, social and economic reasons to explain your ideas

SCIENCE

WHAT WILL I LEARN ABOUT IN SCIENCE?

An equal amount of Biology, Chemistry and Physics are studied in all Science courses.

You will develop an understanding of how Science works and learn how to use scientific evidence to answer questions such as:

- What the possible risks are of giving children vaccinations?
- When is it economical to extract metals from their ores?
- How can radioactive tracers be used to detect forged bank notes?

To do this you will develop and improve your scientific communication skills by using different approaches to presenting information including using the Internet.

HOW WILL I BE ASSESSED?

All GCSE courses begin to be taught in Y10. Most students will study Combined Science. In this course, students study Biology, Chemistry and Physics, and are assessed through 6 exams in Year 11. Students leave school with two GCSEs in Science.

Those students who are chosen to study Separate Science will also study Biology, Chemistry and Physics, but do so in greater depth. Again, assessment is through 6 exams at the end of Year 11.

Students who study Separate Science will leave school with three separate GCSEs in Biology, Chemistry and Physics.

WHAT DO EMPLOYERS THINK ABOUT SCIENCE?

For many careers, good Science qualifications are essential,

These include careers such as Nursing and Health Care, Child Development, Engineering, Architecture and Construction, Surveying and any other careers that have a technical aspect.

Employers at all levels see Science as a desirable qualification, as it shows that students are able to demonstrate a wide variety of skills essential in the workplace, such as analysis and interpreting data, applying knowledge and researching.

WHAT DO EMPLOYERS THINK ABOUT MATHEMATICS?

Employers recognise that Mathematics is a demanding subject. The progress on your GCSE course gives them an indication of how well you might apply yourself in the world of work.

The Mathematics you study is an important foundation for many courses you may take in employment or further education. Many jobs and careers require you to have a GCSE in Mathematics.

WHAT SKILLS WILL I GAIN?

You will develop a wide range of skills in your GCSE Mathematics course. These include the ability to:

- Use your mathematical knowledge to solve problems
- Apply a logical method to reach an answer
- Find solutions to problems from real life
- Use a calculator correctly and efficiently

MATHEMATICS

WHY STUDY MATHEMATICS?

GCSE Mathematics covers many basic skills that you will need to use in a variety of ways all through your life.

You will use many of the skills you learn in other subjects. For example, in Science you need to take measurements, use formulae and solve equations. In Geography you need to read statistical diagrams and maps.

In Technology you need to be able to draw to scale and be competent with measures. In many other subjects you will be asked to obtain information from charts and diagrams.

WHAT WILL I LEARN ABOUT IN MATHS?

The course should enable you to:

- Make and monitor decisions to solve problems
- Develop skills of reasoning
- Communicate
- Understand place value and the decimal system
- Develop methods of computation
- Solve numerical problems
- Understand and use equations and formulae
- Understand and use properties of shape
- Understand the properties of position, movement and transformations
- Use measures
- Collect, process, represent and interpret data
- Estimate and calculate probabilities of events

HOW WILL I BE ASSESSED?

You will be placed in academic 'sets' for examination at two possible levels:

- Higher Grades 4-9
- Foundation Grades 1-5

Assessment:

PAPER 1— CALCULATOR

PAPER 2— NON CALCULATOR

PAPER 3— CALCULATOR

3 EXAMS
- 1HR 30
MINS
EACH

100
MARKS

33%

33%

33%

WHAT DO EMPLOYERS THINK ABOUT STATISTICS?

Employers highly value GCSE Statistics as it demonstrates strong analytical and problem-solving skills, which are essential in many industries. The qualification shows that you can work with data, interpret information accurately, and make evidence-based decisions – abilities that are increasingly important in a data-driven workplace. Employers in fields such as Finance, Marketing, Healthcare, Engineering, and IT particularly appreciate candidates with a background in statistics, as these roles often require data analysis and critical thinking.

WHAT SKILLS WILL I GAIN?

Studying GCSE Statistics equips you with a wide range of valuable skills that are both practical and transferable. These skills are not only useful for academic progression, but also highly relevant for careers and everyday decision-making.

- You will develop the ability to collect, organise, and interpret data effectively, using statistical techniques to identify trends and make informed decisions
- Analytical thinking is a key skill gained, as you'll learn to critically evaluate data sources, assess reliability, and draw logical conclusions
- Problem-solving is another crucial skill, as you'll apply mathematical methods to real-world scenarios.
- Additionally, you'll enhance your ability to present information clearly through charts, graphs, and tables, as well as improve your understanding of probability and risk

STATISTICS

WHY STUDY STATISTICS?

GCSE Edexcel Statistics equips students with vital skills for analysing, interpreting, and presenting data, which are increasingly valuable in today's data-driven world. It develops critical thinking by encouraging students to question data sources, assess reliability, and draw meaningful conclusions.

These skills complement a range of subjects, including Mathematics, Geography, Science, and Economics, and provide a strong foundation for further studies and careers in fields such as finance, engineering, healthcare, and marketing.

WHAT WILL I LEARN ABOUT IN STATISTICS?

In GCSE Statistics, you will learn how to collect, analyse, and interpret data effectively, using a range of statistical methods and techniques. You will explore topics such as data collection methods, sampling techniques, and the presentation of data using charts, graphs, and tables.

You'll also delve into measures of central tendency, like mean, median, and mode, as well as measures of spread, such as range and standard deviation. Probability plays a key role, helping you understand likelihood and risk in various contexts.

Additionally, you will study how to evaluate data critically, identify trends, and make informed predictions. By applying these skills to real-world scenarios, you'll gain a deeper understanding of how statistics are used in everyday life, from business and science to media and public policy.

HOW WILL I BE ASSESSED?

There will be two exams. Each exam is one and a half hours long, taken at the end of Year 11. Calculators are allowed in both papers. The course will cover the following areas:

- The Collection of data
- Processing, representing and analysing data
- Probability

The papers contain short, medium and extended response questions. There will be questions involving solving problems, which may need you to complete several steps to get to an answer.



HUMANITIES

WHAT DO EMPLOYERS THINK ABOUT HISTORY?

Skills you learn in GCSE History such as literacy, analysis, reasoning, communication, empathy and research are useful in many jobs and this is why GCSE History is valued by employers, colleges and universities.

They are great life skills no matter what your career path.

WHAT SKILLS WILL I GAIN?

- Ability to analyse evidence to find the truth
- Ability to debate and form arguments about events and concepts
- Ability to understand causes and consequences of world events – not just the event details.

HISTORY

WHY STUDY HISTORY?

This is a fascinating subject which gives an insight into amazing things that have happened in the past. It helps us to understand where we came from and where we are going to. It gives us opportunity to understand others and to appreciate the challenges faced by those who have gone before us.

WHAT WILL I LEARN ABOUT IN HISTORY?

You will study with the Edexcel examination board. The main topics are:

Paper 1:

- Crime and Punishment in Britain, c1000 - present and Whitechapel c1870 -1900: crime, policing and the inner city (Jack the Ripper)

Paper 2:

- Part 1 – Early Elizabethan England, 1558-88
- Part 2 – Superpower relations and the Cold War, 1941-91

Paper 3:

- Weimar and Nazi Germany, 1918-39

HOW WILL I BE ASSESSED?

There are 3 formal examinations.

- Paper 1– 30%
- Paper 2– 40% (Each topic is worth 20%)
- Paper 3– 30%



WHAT DO EMPLOYERS THINK ABOUT GEOGRAPHY

The job market has become increasingly competitive and international. Around 75% of businesses think the UK is in danger of being left behind unless young people learn to think more globally.

However, the transferable knowledge and skills developed by studying Geography are actively sought out by employers allowing graduate geographers to consistently experience lower than average levels of unemployment. A GCSE in Geography is a stepping stone in becoming a valued individual in a competitive world of work.

WHAT SKILLS WILL I GAIN?

- The ability to research information
- To develop organisational skills
- To be able to use graphs, diagrams and simple statistics to interpret and analyse information
- Practical fieldwork skills

GEOGRAPHY

WHY STUDY GEOGRAPHY?

You live in the world - why not find out more about the challenges and opportunities it offers and how to get involved?

Find out more about how people are using different environments, both your own and those in other parts of the world. Investigate issues of sustainability - will the Earth still be able to provide us with all the resources we take for granted?

WHAT WILL I LEARN ABOUT IN GEOGRAPHY?

Geography gives you the chance to study 3 units:

- Living within the physical landscape (this unit will look at the challenges of natural hazards, the living world and physical landscapes within the UK).
- Challenges within the human environment (this unit will look at urban issues and challenges, the changing economic world and the challenges of resource management).
- Geographical application and skills (this unit will allow you to leave the classroom and experience geography in the real world).

Students will also have the opportunity to participate in two fieldwork visits. One will focus upon human geography and the second on physical geography.

HOW WILL I BE ASSESSED?

- Paper 1 is a 1 hour 30 minute examination which covers the 'living within the physical landscape' unit and accounts for 35% of the final grade.
- Paper 2 is a 1 hour 30 minute examination which covers the second unit of 'challenges within the human environment' and accounts for 35% of the final grade.
- Paper 3 is a 1 hour 30 minute examination which covers the third unit of 'geographical application and skill.' This paper accounts for 30% of the whole GCSE.



SPANISH

WHAT DO EMPLOYERS SAY ABOUT STUDYING SPANISH?

- A study in January 2024 concluded that Spanish is the most in-demand second language for employers
- The study also showed that Spanish is the 5th highest paying second language
- The job market has become increasingly competitive and international and research by the University of Portsmouth revealed that most job adverts in the UK now list a second language as a requirement or a necessity, and not simply as desirable

HOW WILL I BE ASSESSED?

- You will be assessed on the four language skills:
- Listening – 25%
- Speaking – 25%
- Reading – 25%
- Writing – 25%
- The exams are tiered so you will either take the Foundation Examination (up to a grade 5) or the Higher Examination (grade 3 to a grade 9).

SPANISH

WHY STUDY SPANISH?

Spanish is a world language with over 580 million speakers across 21 countries worldwide. Tourism, ICT, Marketing, Banking, Business and Engineering are just a few areas where you can use Spanish. People who speak a foreign language earn 20% more on average than those who don't!

WHAT WILL I LEARN ABOUT IN SPANISH?

If you continue Spanish in Y10 you can expect to continue to build on your KS3 knowledge and study the following:

- A number of cultural themes including Media and Technology, Travel and Tourism and Lifestyles and wellbeing
- A mixture of listening, speaking, reading, translation and writing activities linked to various topics
- Information about life in Spain, regional traditions and fiestas as well as other Spanish speaking countries such as Mexico, Argentina, Peru and many others
- What life is like for a young person living in the Spanish speaking world in 2020's

WHAT SKILLS WILL I GAIN?

- You will be able to communicate with others confidently
- You will be become more open minded and culturally aware
- You will be able to think and write flexibly and creatively
- You will develop your knowledge of grammar in English and Spanish
- You will improve your listening and reading skills and apply those to different contexts
- You will be able to identify patterns and apply it to different situations
- You will improve your memory and problem-solving skills
- You will further develop good study skills and the ability to work and learn independently



SPORT STUDIES

WHAT SKILLS WILL I NEED?

- Practical skills in a variety of sports and physical activities
- Literacy skills to construct examination answers and coursework analysis
- Communication skills to take part in class discussions
- Problem-solving and strategic thinking
- Analytical skills for self-evaluation
- Leadership skills for coaching and teaching peers
- Concentration and listening skills

WHAT HAPPENS IN A SPORT STUDIES LESSON?

Lessons will be a mixture of classroom and practical lessons. The exam unit will involve theory lessons and exam practice. The other units involve a combination of coursework and practical activities.

SPORT STUDIES

WHY STUDY SPORT?

Sport Studies allows you to develop and strengthen your practical ability in a range of sports and physical activities as well as learning and understanding the theoretical and biological workings of a variety of skills. The course will equip you with a range of transferable skills that will be an asset for further education in the field of Sport, Fitness, Health and Well being.

WHAT WILL I LEARN ABOUT IN SPORT STUDIES?

The programme of study will cover a range of sports related topics including:

- Sports Leadership & Coaching
- Practical Sport
- Outdoor Adventurous Activities
- Performance Analysis

HOW WILL I BE ASSESSED?

You will have a combination of classroom and practical lessons where you cover 3 different units:

- Coursework unit (40%) - Students are assessed in their two best practical sports. They complete a piece of coursework where they analyse themselves in a sport of their choice. They also plan and deliver a sports coaching session of their choice to a group and then evaluate their performance
- Theory Exam (40%) - Contemporary issues in sport which includes: The Olympics and Paralympics, sporting behaviour, performance enhancing drugs, major sporting events and sports development and technology in sport
- Coursework unit (20%) - Students learn about a wide range of Outdoor Activities and the equipment, safety and provision of those activities. They take part in an assessed OAA activity in which they are judged on how they keep safe; they then evaluate their performance whilst they also plan how they would deliver an outdoor activity session



DRAMA

WHAT SKILLS WILL I NEED?

You should choose Drama if you enjoy performing plays, portraying different characters and enjoy a practical-based subject. You should have excellent group work skills and also be prepared to study written texts and express your own ideas in detail. You may have a keen interest in design and making things and a passion for theatre, television and film.

DO I HAVE TO PERFORM TO THE CLASS IN EVERY LESSON?

No, you will not be expected to perform acting work to the class in every lesson. Some of you will be keen performers but some of you may wish to share your work only with the teacher and in some units everyone will be assessed on their design skills. For C1 and C2 assessment, you can choose to either act in the final performance or be part of the technical team - so you might be in charge of the sound effects or the costumes that everyone wears, for example.

WHAT COULD I DO NEXT?

The possibilities are endless. Drama will enable you to demonstrate many skills which employers, colleges and universities will be looking for. It can also give you opportunities to travel, meet people and get the most out of life.

As well as acting and performing, a drama qualification can lead to career opportunities in teaching, law, publishing, politics, translation, science, occupational therapy, journalism. The design skills taught can help you access further qualifications leading to careers such as lighting technicians, wardrobe assistants, costume designers and scenery designers.

DRAMA

WHY STUDY DRAMA?

In Drama, you will play many parts in different imaginary situations and will have the opportunity to create your own work as well as look at plays written by other people. Not only will you get to improve your acting skills, but there will also be opportunities to learn about theatre design in areas such as lighting, sound, scenery and costume.

Drama is an ideal course if you want to study a subject that is both practical and creative. You will enjoy this subject if you enjoy working as part of a team as drama involves a lot of group work.

WHAT WILL I LEARN ABOUT IN DRAMA?

- You will investigate a variety of drama techniques, play scripts and theatrical styles
- Learn about how playwrights and practitioners communicate with an audience and make an impact
- Learn how to use a range of drama techniques to present effective practical work
- Learn about new concepts in theatre design
- Analyse and evaluate a live theatre performance in terms of the acting and design. Past productions we have seen have included *The Crucible* and *A Streetcar Named Desire*

HOW WILL I BE ASSESSED?

The GCSE course is divided into three separate components.

Component 1 - Devising 40%

You will work in a small group to share your ideas and create your own original piece of theatre based on a stimulus such as inspiring quotation or an interesting piece of artwork. You can choose to be assessed as an actor or a designer. In addition, you will complete a portfolio of evidence and an evaluation of your practical work.

Component 2 - Text in Performance 20%

For this component you will stage a performance of scripted drama in small groups. If you choose to be assessed as an actor, you will have your own character and will learn two extracts from a script to be performed in costume to an audience and the visiting examiner. If you choose the design route, you will be responsible for the overall design of the piece in one of the following areas: sound, lighting, costume or scenery.

Component 3 - Theatre Makers in Practice 40%

This is a written paper where you will write about your ideas for staging a performance of a play we will study in class called *I Love You Mum*, *I Promise I Won't Die*. You will also write a review of live theatre you have seen during the course.



IT



WHY STUDY IT?

The Information Technology curriculum has been designed to give learners the opportunity to explore a variety of applications. These will provide them with skills and knowledge needed to act as a stepping stone into a wide variety of occupations when they leave school, and also skills that will be essential to enhancing their learning in many other subjects that they have chosen.

WHAT HAPPENS IN LESSONS?

Activities in lessons are varied and will include a wide range of activities including:

- Research and practical tasks building on the skills learned in the lesson
- Student presentations and collaborative work
- End of topic assessments and progress feedback

WHAT SKILLS WILL I NEED?

You will need a genuine interest in IT, good organisation skills, literacy skills, a positive work ethic and the desire to succeed.

IT

WHAT WILL I LEARN ABOUT IN IT?

A range of topics and skills will be covered. User interfaces are everywhere, from cash machines, to the apps on our phones and tablets. We will explore the key principles of user interface design. Another key element of the digital sector is data - what is it? Why is it collected? How is it collected? The spreadsheet topic will answer these questions. It will provide students with a theoretical and practical understanding of the creation and use of spreadsheets to analyse and manipulate data by using entertaining scenarios to teach a very important topic that provides essential skills for life. Other topics include sound editing, image manipulation and IT project planning.

HOW WILL I BE ASSESSED?

Should students take the decision to continue with Information Technology into Year 10 and Year 11, they will apply much of the theory and practical skills developed in Year 9 to three components of work.

- Component 1 - Exploring user interface design principles and project planning techniques. Students will expand on the theory delivered in Year 9 to complete an assignment where they will explore user interface design and development principles, creating a functional interface for a given scenario
- Component 2 - Collecting, presenting and interpreting data. Students will expand on the theory delivered in Year 9 to complete an assignment where they will explore how data impacts on individuals and organisations, developing a dashboard using data manipulation tools
- Component 3 - Effective digital working practices. This is a new unit to be studied in Year 11. Students will explore how modern information technology is evolving, looking at legal and ethical issues of the sharing of data and understanding the role of cyber security to secure it.

The course is made up of three components: two that are internally assessed and one that is externally assessed. Components 1 and 2 are internally assessed assignments, each worth 30% of the overall grade. These contain written work and practical tasks. Component 3 is an exam worth 40% of the overall grade. This is a written exam at the end of Year 11.



CHILDCARE

WHAT HAPPENS IN LESSONS?

Childcare lessons are varied, you may:

- Learn content relating to different elements of Childcare
- Use the knowledge that you have learnt to produce written tasks
- Work in groups to share ideas and compare information
- Spend time researching and fact finding
- Develop research and presentation skills

WHAT SKILLS WILL I NEED?

Childcare is a linear qualification and students will have to apply their knowledge to their non-exam assessment (NEA) and their examined assessment (EA) towards the end of Y11.

Students will need:

- Comprehensive note taking skills, taking pride in their work and presentation
- Good reading and extended writing skills
- Good organisational skills
- The ability to find your own information and conduct research
- To be able to think for yourself and work independently
- Determination and the ability to remain motivated in order to complete tasks
- Excellent time management

CHILDCARE

WHY STUDY CHILDCARE?

Childcare provides the opportunity to gain vocational qualifications in the childcare sector. It will be of interest to students who are considering a career of working with children in an education, health or social work environment. It includes the knowledge and understanding of Childcare and well-being necessary for working with children in a variety of different settings including schools, nurseries and private provisions.

WHAT WILL I LEARN ABOUT IN CHILDCARE?

Students will be introduced to Childcare starting with conception, birth and how to care for the developing child. We will also focus on the different areas of development and how we can support the child by providing age and stage appropriate activities. Students will also research the Early Years Foundation Stage curriculum that children aged 0-5 years typically follow.

HOW WILL I BE ASSESSED?

During Year 10 and 11 learners will study for the NCFE/CACHE Level 2 Technical Award in Childcare in the Early Years which involves the following topics:

- Child Development
- Factors that influence the child's development
- Care routines, play and activities to support the child
- Early Years provision
- Legislation, policies and procedures in the Early Years
- Expectations of the Early Years practitioner
- Roles and responsibilities within Early Years settings
- The importance of observations in Early Years childcare
- Planning in Early Years childcare



DESIGN & TECHNOLOGY

WHAT SKILLS WILL I NEED?

- A love of practical based learning using a range of construction based materials
- Determination when solving problems particularly when using skills related to literacy, numeracy, and enterprise
- An interest in the built environment and the impact of the construction industry

CONSTRUCTION

WHY STUDY CONSTRUCTION?

The Construction industry is a wide and diverse industry which offers a huge range of opportunities to work in, including areas such as carpentry, electrical, Painting & Decorating.

WHAT WILL I LEARN ABOUT IN CONSTRUCTION?

You will learn practical, hands on skills that are immediately transferable to the workplace, such as electrical, joinery, Painting & Decorating.

You will have to consider aspects that change and improve the value of the built environment in order to make recommendations on how to raise the quality of certain areas.

You will do this first of all by analysing your local area, and how it is used by the community.

HOW WILL I BE ASSESSED?

The course is made up of two separate units.

Unit 1: External exam 90 minutes 40%

Unit 3: Constructing the Built Environment (coursework) 60%

This consists of three written courseworks with practical elements:

- Joinery
- Painting & Decorating
- Electrical

WHAT HAPPENS IN LESSONS?

Year 10 will cover 1 lesson a week of theory and 1 lesson of practical. You will be assessed through online written assessments, exam questions and practical elements. The practical skills covered are Joinery, Electrical, Painting and decorating. In Year 11 you will be completing the NEA coursework which will contribute to 60% of your final grade and prepare for the exam which contributes to 40% of the final grade.

WHAT HAPPENS IN LESSONS?

- The majority of learning in Y10 will be practical based with small sections of written and planning work to record and develop key skills ready for Y11 assessments.
- The rest of the course is split roughly 50/50 between mainly written assessment and making.

WHAT SKILLS WILL I NEED?

- A love of practical based learning using metals and plastics and a range of other materials
- Determination when designing products to solve engineering problems using a range of different 2D and 3D modelling skills
- Some ability to use different workshop based tools and processes with some accuracy

ENGINEERING

WHY STUDY ENGINEERING?

You will develop skills that will enable you to contribute to many disciplines and open up career paths including sciences, design, engineering, manufacturing and teaching. This course is also a desirable qualification for students wishing to take on an engineering apprenticeship post 16.

WHAT WILL I LEARN ABOUT IN ENGINEERING?

In this OCR Engineering and Manufacture course, we will teach you how to analyse an engineered product to identify manufacturing criteria such as the correct material to be used.

You will learn how to read engineering drawings and be able to create a working plan of instructions that could be used to make the product from. You will then learn how to complete a range of both hand and machine operations such as Centre Lathe skills and drilling so that you can independently produce products from your plans. In addition, you will learn CAD CAM Skills using Solidworks 3D Software and the 3D Printers.

HOW WILL I BE ASSESSED?

- The course is made up of three separate units:
- Unit R014: External exam 75 minutes 40%
- Unit R015: Manufacturing a project (coursework) 30%
- Unit R016: Manufacturing in quantity (Coursework) 30%



ART, CRAFT & DESIGN

WHY STUDY ART, CRAFT & DESIGN?

After experiencing a range of media in Year 9, the Art department is confident you know more than enough to take the challenge of developing quality artwork. You will gain a firm understanding of Art by investigating a range of art movements from different cultures, artists, crafts people, designers and architects. You will develop knowledge and skills in following areas of study: Drawing, Painting, Art Textile, Clay work and Photography. You will be able to create high-quality studies and gain a great sense of achievement from your final ideas/pieces.

HOW WILL I BE ASSESSED?

You will be assessed through the following methods:

Portfolio of Coursework (60%)

You will explore a range of 2D and 3D materials, creatively develop design ideas linking to your research and enhance your knowledge and understanding of artists and their work. Your portfolio must include two different projects and must be supported by written annotations about your research and the development of your work. These projects will evidence all of the assessment objectives so that you gain the full range of marks.

Externally Set Assignment (40%)

The work completed for the exam is similar to the coursework project. Your exam will begin in January of Year 11 and will be completed by April of Year 11. At the end of the preparation period, you will spend 10 hours in exam conditions making the final piece, The 10 hours will spread over three days.

ART, CRAFT & DESIGN

WHAT WILL I LEARN ABOUT IN ART, CRAFT & DESIGN?

Art, Craft & Design students will respond to artist research by, exploring a range of artists and art movements from different cultures, artists, crafts people, designers and architects. Students will extend their work linking to design ideas and the use of composition.

Students will experience workshop-based lessons to help develop their technical skill in the 2D and 3D elements of Art, for example, pencil, pen and ink, painting, textiles, clay and some photography. During this time students will learn about the content needed to make successful studies that are presented in sketchbook and how to annotate the development of their work.

WHAT WILL I LEARN ABOUT IN GCSE ART, CRAFT & DESIGN?

You will start to refine your skills in drawing, painting, printmaking, 3D clay work, art textiles and photography.

All of the work that students complete in Year 10 and 11 must contain the four assessment objectives:

- Artists influence - Students will make work from both contemporary and historical artists. They will be able to transfer particular artists' style, technique and genre into their own research and photographs.
- Practical experimentation - using a wide range of art materials both technically and expressively to show images and ideas
- Visual research - using observational drawings and painting skills to make images and ideas. Students will learn how to annotate the progression of their work.
- Personal development - putting together your ideas in a final piece of work

WHAT HAPPENS IN LESSONS?

Taught as a group as well as an individual, one to one mini-tutorials will guide you to a higher level of achievement. You will learn to work with different materials and techniques and develop projects within your portfolio. There are many high quality examples to help. This will be a creative and individual process.

