

Dover Grammar School for Girls Key Stage 4 2019



Planning your Course



All girls will study the core subjects and four option subjects.

Core Subjects

English Language
English Literature
Mathematics
Religious Studies
Science

Careers
Physical Education
PSHE with Citizenship

Option Subjects

GCSE

Art & Design
Business
Computer Science
D & T: Food Preparation and Nutrition
D & T: Product Design
Drama
Geography
History
Latin
Modern Languages (French and German)
Music
Physical Education

Information

Option Subject form
Checklist

To ensure a balanced course, you must include at least one modern foreign language (French or German) and History or Geography.
The remaining two GCSE choices are free.

Core Subject



English Language and English Literature

GCSE (Edexcel)

In Key Stage 4, English becomes two separate subjects, English Language and English Literature. These combined courses, which are both taught in your timetabled English lessons, aim to give you greater confidence in your handling of language and a wide experience of literature.

Throughout the course you will study:

Shakespeare

Poetry from pre and post 1914

A modern play

A 19th century novel

Fiction and non-fiction texts from 19th and 20th/21st Century

English Language

The English course develops and sharpens your skills of Spoken Language, Reading and Writing through a range of stimulating and varied activities. You will be asked to read and respond to challenging texts and involve yourself in class discussions and debates. You will learn to respond critically to non-fiction materials, analyse 19th century texts and write for particular purposes.

Assessment will be through two examinations at the end of the course.

English Literature

Much of the work you do in your English Language course will contribute to the skills you need to do well in Literature. However, specifically for this subject, you will study a range of poetry included in an anthology, a 19th century novel, a play by Shakespeare and a modern play.

Assessment will be through two examinations at the end of the course.

www.edexcel.com

Core Subject



Mathematics

GCSE (Edexcel)

The Mathematics syllabus develops and extends the work covered at Key Stage 3.

The content covered falls into the following categories:

- Number
- Algebra
- Ratio, Proportion and Rates of Change
- Geometry and Measures
- Probability
- Statistics

Students develop their skills in reasoning and communicating mathematically; applying standard techniques and solving problems within a variety of contexts. Group work, opportunities for independent learning and a challenging environment combine to teach students to think creatively and solve problems. Homework is an essential and integral part of the Mathematics course.

Assessment

There is a regular programme of assessment each term. Students sit an end of year examination in Year 10 and a Mock GCSE examination in January of Year 11.

Three examinations will be taken at the end of the course, one non-calculator and two calculator.

www.edexcel.com

Further Mathematics Level 2

Certificate (AQA)

The most able students have the opportunity to study this subject in Year 11, alongside the Mathematics course.* It builds on the algebra topics studied as part of the Mathematics GCSE, helping to prepare students for the rigours of A-Level.

Assessment

The final grade is made up of two written papers, one non-calculator (40%) and one calculator (60%).

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Core Subject



Religious Studies (AQA)

Year 10 and 11 students continue to study for this GCSE Short Course, which is the same standard as other GCSE courses. By the end of Year 11, students will have studied the following topics:

The beliefs and teachings of Christianity: this topic examines the nature of God, different Christian beliefs about creation and different Christian beliefs in the afterlife. Students also study beliefs about Jesus such as the incarnation, the crucifixion and resurrection, sin, salvation, and the role of Christ in salvation.

The beliefs and teachings of Islam: this topic examines the nature of God, predestination and life after death. Students also study different sources of authority such as the prophets and holy books such as the Qur'an.

Relationships and families: this topic examines sexual relationships inside and outside of marriage, family planning, marriage and divorce. Students also study the nature and purpose of families and gender equality. Religious and non-religious beliefs such as atheism and humanism are studied.

Religion, peace and conflict: this topic examines reasons for war, Just War Theory and pacifism. Students investigate religion and belief as a cause of war and violence, religion and peace-making in the contemporary world, and religious responses to the victims of war.

Students are examined on all topics at the end of Year 11. The course is 100% examination based.

www.aqa.org.uk

Core Subject



Science GCSEs (AQA)

(Science – from the Latin scientia, meaning knowledge)

During Year 10 and 11, students will continue their GCSE Science courses which they began in Year 9; either completing Combined Science (resulting in 2 GCSEs) or the Separate Sciences: Biology, Chemistry and Physics (resulting in 3 GCSEs). Students will be set according to their performance and progression in Year 9 and their set will determine the number of GCSEs they obtain.

The specifications followed will provide students with the opportunity to develop the scientific knowledge, understanding and skills needed for adult life, but also give a good basis for further study of Science.

These courses will encourage students to:

- develop their interest in Science
- develop a critical approach to scientific evidence and methods
- acquire and apply skills, knowledge and understanding of how science works and its role in society
- acquire skills, knowledge and understanding necessary for progression to further learning in Science such as A-Levels or Higher Education.

All written examinations take place at the end of Year 11. Both courses include the following:

Biology

Topics include cell structure and division, the digestive system and enzymes, the cardiovascular system, bioenergetics, communicable and non-communicable disease, homeostasis, inheritance and ecology.

Chemistry

Topics include atomic structure and the periodic table, structure and bonding properties, chemical changes, energy changes, organic chemistry (Separate Science only), analysis, rates of reaction and using resources.

Physics

Topics include energy, electricity, particle model of matter, atomic structure and radioactivity, forces, waves, electromagnetism and space physics (Separate Science only).

Eligibility to undertake further study of subjects at A-Level is not dependent on the number of Science GCSEs a student obtains.

Both routes provide a firm basis for further study at A-Level.

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Core Subject



Careers

At Dover Grammar School for Girls, the success of our students and ensuring that they are prepared fully for life in the 21st century are two of our top priorities.

The careers' education programme at Dover Grammar School for Girls therefore aims to provide all students with a wide range of opportunities that will enable them to take their next steps to university, college, apprenticeships or into other vocational pathways. The programme aims to give all students access to impartial advice, helpful guidance and relevant literature to help them make informed decisions about their future prospects.

The programme begins in Key Stage 3 and is developed throughout Key Stages 4 and 5. Every opportunity is taken to ensure that students are guided to make choices related to future careers and work. Students are also encouraged at all times to be enterprising, for example when planning whole school charity events and community activities.

The changing nature of work, employment patterns and developments in post 16 educational provision are explored and discussed in PSHE classes. Opportunities such as external speakers, talks from former students, university visits, work experience, and our wide range of extra-curricular and enrichment activities also help to ensure that our students develop the necessary knowledge, skills and experiences. The school's dedicated enrichment days help us in particular to deliver these key aspects of our careers' education programme.

In Year 11, guidance interviews are provided for all students with Mr Malcolm Scott from CXK. Mr Scott is an independent advisor with a wealth of expertise. Mr Scott will also be available at parents' evenings where parents and students can seek advice.

Further opportunities are provided in the Sixth Form through the school's 3+ curriculum offer, with one pathway including the option for students to undertake work experience placements with one or more of the school's many external partners. This is made possible through the strong links that we continue to develop with many local and national employers in a range of different fields and industries.

Finally, there is a comprehensive careers section in the school library where students can access information about careers and further education as well as a member of staff responsible for Aspiration and Careers. Students in all year groups are encouraged to use these resources to help guide and inform their future choices.

Core Subject



Physical Education (Edexcel)

The PE programme incorporates a blend of Academic challenge, traditional team games and individual pursuits.

In Years 10 and 11 curriculum PE has an emphasis on team based tasks and competitive activities. Students are expected to develop tactical and strategic awareness and adopt a range of sporting roles, i.e: Captain, Coach and Official.

All Key Stage 4 students will be given an opportunity to obtain a Level 1 Sports Leaders Award, which is a nationally recognised qualification. This encourages the girls to develop their skills in key areas, such as organisation, communication and leadership through practical activities. Using these skills pupils regularly plan and deliver simple sporting activities to a range of Primary School pupils during their PE lessons throughout KS4.

All students are offered sessions in a coordinated programme of extra-curricular clubs and activities. Students who are not involved in sport outside school are encouraged to take up an activity after school or at lunchtime. Sessions including Trampolining, Fitness and Netball. Successful school teams run in Football, Netball and Athletics.

GCSE PE OPTION

The full course GCSE examination is a 2 year course, although preparation begins in Year 9 in some curriculum lessons. Students are required to reach a high standard in 3 activities, including an individual and a team activity. These have to be selected from a list prescribed from the examination board. There is also an emphasis on analysis and evaluation of practical performance which is assessed. The theory requires both knowledge and understanding of sport in society and physiological functions of the body. The practical comprises 40% of the course and the theory 60%.

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Core Subject



PSHE and Citizenship

This course builds on work from Key Stage 3 and deals with important aspects of your personal development which are not covered in other areas of the curriculum. The content covered within lessons will include information on Sex Education, healthy and unhealthy relationships, drug and alcohol education, healthy living and bullying are all an integral part of PSHE. As a result of the content covered you will be encouraged to develop critical thinking and problem solving skills which will be beneficial in all aspects of school life. You will acquire information and develop skills, forming positive beliefs, values and attitudes about a range of topical issues. You will learn more about study skills to help you plan for your future and continuing education and work. We will continue to develop your understanding on a range of other topical issues such as diversity and tolerance. Therefore, enabling you to understand the multi-cultural society we live in and the positive implications this may have on communities.

As part of the Citizenship Programme you will be taught about legal and human rights and responsibilities underpinning society and how they relate to you as citizens. This will encourage you to become more aware of the range of issues which we face in society and how officials plan to deal with them. You will discover the importance of playing an active part in democratic and electoral processes. As well as understanding the importance of advocacy and empathy when discussing these issues and the roles policy makers undertake. You will learn how individuals and political groups can bring about social change locally, in Europe and internationally. In addition to this, you will be given the opportunity to engage with some of these movements and participate in a range of citizenship orientated campaigns. You will also discuss other global issues and how you, as a responsible citizen, can make a difference.

During Key Stage 4 you will be introduced further to the British Values unit which underpins the identity of our society. These are important as you will begin to apply these concepts to a range of environments and situations. The values which you will cover are the following:

- Democracy
- The rule of law
- Individual liberty
- Mutual respect for and tolerance of those with different faiths and beliefs and for those without faith

PSHE and Citizenship will be beneficial in developing the skills needed to become an active member of society. The areas of study will encourage individuals interested in Politics and other critical thinking subjects to gain a taster of these areas. Therefore, it would be advantageous for you to continue in studying these different areas increasing your breadth and depth of knowledge about society, the world and yourself.

GCSE Options



Art and Design (WJEC)

At present we offer GCSE Art and Design (Art, Craft and Design). This title is designed to promote learning across a variety of experiences and through various processes, tools, techniques, materials and resources to generate different kinds of evidence of working and outcomes. The emphasis is on an increased breadth of approach where students will work in a variety of materials including drawing and painting in its widest sense; textiles covering felting, quilting, tie & dye, photography and lino/ block printing; three dimensional studies in clay, wire, mod-rock/card and paper maché. Students will gain by the breadth of experience, making use of many of the above areas to suit their individual strengths and requirements.

Historical/critical and contextual studies are involved in all projects and visits are arranged to major and local exhibitions. Workshops for specific skills are run by visiting artists and our own staff.

The first component, the portfolio, provides students with the opportunity to explore and cultivate important skills through a variety of experiences. This work is completed in school and at home within the first five terms.

The second component is an externally set assignment which requires students to utilise their knowledge and understanding to produce responses during the preparatory study period and a piece of work within the allotted time frame.

Assessment	Portfolio	60%
	Externally Set Assignment	40%

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GCSE Options



Business (Edexcel)

Business

While studying the first theme, you will be introduced to the world of small businesses and will look at what makes someone a successful business person. You will find out how to develop an idea and spot an opportunity, and turn that into a successful business. You will understand how to make a business effective and manage money. You will also see how the world around us affects small businesses and all the people involved.

The second theme, studied in Year 11, develops topics covered in Year 10 and builds a deeper understanding of marketing, finance, production and human resources, within the context of big businesses.

Business - Assessments

Theme 1 – Investigating small business - Written examination - 50%

Theme 2 – Building a business - Written examination - 50%

Both papers will consist of calculations, multiple choice, short answer and extended writing questions. Questions will be based on business contexts given in the paper.

No previous knowledge of business is expected. You might have an interest in business, and want to start your own business one day. You may have an enquiring mind and be interested in learning about the world around you, how businesses are set up, and what it is that makes someone a great entrepreneur. This course will help you to understand all this and more.

www.edexcel.com

GCSE Options



Computer Science (AQA) GCSE 9-1

Over the course you will cover the following:

Computational thinking: this is the process of thinking through a complex problem, taking the time to understand what the problem is and then develop potential solutions for evaluation. These are then presented in a way that a computer, a human, or both, can understand.

Theoretical content: here you will understand the fundamentals of data representation and computer networks. You will learn about the computer systems that you will create and use, and also delve into the world of cyber security and the ethical, legal and environmental impacts of digital technology.

Aspects of software development: here you will understand how to implement and test a design to make sure that it works effectively. You will also learn how to complete an overall evaluation to help refine an end product.

How will you be assessed?

Written examinations

You will have two written examinations which are approximately 1 hour 30 minutes each. Together they contribute to 80% of your overall grade.

Non-examination assessment

Your non-examination assessment assesses your ability to use the knowledge and skills gained through the course to solve a practical programming problem. You will follow a systematic approach to problem-solving and will be assessed over 20 hours of work, which makes up the final 20% of the assessment.

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Design and Technology Department

At DGGS in the Design and Technology Department you can choose from either: GCSE AQA Design and Technology or GCSE EDUQAS Food Preparation and Nutrition.

These are practical subjects that have a considerable hands-on content. Each course will allow you to develop specific skills related to the material focus, re-search, analysis and decision making. The courses will give you opportunities to apply skills and knowledge from other subjects, including Art, Business Studies, ICT, Mathematics, Media and Science.

Food Preparation and Nutrition GCSE (WJEC)

This new, exciting course will give you the opportunity to practise a wide range of cookery skills, along with a greater understanding of nutrition, the science behind food as a material and wider environmental aspects associated with food. This course will in addition, give you valuable key life skills enabling you to cook and make informed choices about what and how well you are eating.

You will study: Food preparation skills, Food Nutrition and Health, Food Safety, Food Science, Food Provenance and Food Choice. You will enjoy this course if you are organised, enjoy experimenting with food and are keen to develop your practical ability. It is important for students choosing this course to enjoy a large variety of foods. All assessments take place in year 11 and consist of a Food Science Investigation assignment (2000 words), a Food Preparation Assessment task which includes:

- A portfolio report
- 3 hour practical assessment
- Written Examination.

September – December. NEA Task 1 – Food Science Investigation (10 hours) = 15% of GCSE

December – February. NEA Task 2 – Food Preparation Assessment (20 hours including a 3 hour assessment) = 35% of GCSE

May – June. 1 hour 45 minute exam = 50% of GCSE



Design and Technology Department

The new qualification is modern and relevant, so students can learn about contemporary technologies, materials and processes, as well as established practices.

The new GCSE places greater emphasis on understanding and applying iterative design processes. Students will use their creativity and imagination to design and make prototypes that solve real and relevant problems, considering their own and others' needs, wants and values.

Product Design (AQA)

This course will enhance your designing skills and creativity whilst allowing you to produce a range of quality product outcomes from resistant and compliant materials. You will develop knowledge of materials and components, processes and manufacturing techniques and a wide range of skills. Focus is given to design and market influences and the exploration of consumer needs. Visual impact and communication are taught through the production of a design portfolio incorporating drawing techniques and use of ICT to support and record the design process. The application and use of CAD and CAM are significant aspects of the course content. A willingness to explore how products are designed and made, and to develop questioning, analysis and evaluation skills is important. Developing skills working with tools, equipment and materials in a product design context is the key focus of this course.

Assessment (AQA 8552)

- Non-Examination Assessment (NEA) = 50% GCSE
 - This is a significant design and make task which is presented as a working Proto-type and Design Portfolio evidence. (30-35hrs approx.)
- Written Examination = 50% GCSE
 - This tests knowledge and understanding of: - Core Technical Principles; Specialist Technical Principles; and Designing and Making Principles. (2hrs)

GCSE Options



Drama (AQA)

GCSE Drama is an exciting, creative and dynamic course which allows students to develop and enhance their appreciation and understanding of a range of play texts, dramatic techniques and performances.

Most teaching will be through practical means, with much responsibility for achievement reliant on successful working groups. The course encourages students to work in a team, taking on roles outside of their experiences to explore sensitive issues. Self-discipline, planning skills and developing the individual as clear communicators are key foci.

The GCSE course builds upon the current Year 9 Drama course option and work within the KS3 English curriculum. It establishes a firm foundation for the study of A Level Drama and Theatre Studies in the Sixth Form.

The Course comprises three sections with a 60% focus on practical work. Assessment is through presentation of performances - both scripted and devised, portfolio style of coursework focusing on skills and composition and a final written examination.

Areas of study include a variety of styles, practitioners, live performances and set texts.

Students will be offered a variety of opportunities to attend live performances and are also encouraged to see other performances independently.

Students are expected to play a full part in school productions and other dramatic opportunities made available to them.

www.aqa.org.uk



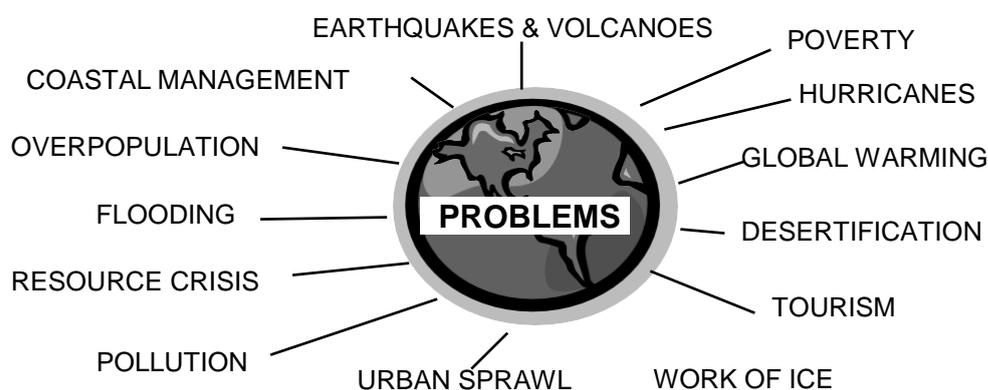
Geography (OCR)

Geography is a dual subject linking both the Arts and the Sciences.

Geography tackles the BIG issues:

- Global hazards
- Landscape change
- Environmental responsibility
- Climate change
- Global independence
- Cultural understanding and tolerance
- Commerce, trade and industry
- Population issues
- The work of ice

The world in which we live is likely to change more in the next 50 years than it has ever done so before. Geography explains why this is so. You will come to see that there may be more than one way of tackling real life problems e.g.



As well as studying the physical environment-plate tectonics, rivers, coasts, weather and human environments - population, settlement, development, trade and aid, you will develop a sense of place and understand the values and reasons behind decision-making.

You will gain many skills: report writing, data collecting, data analysis, problem-solving, use of ICT and you will learn to be good communicators, team players and you will become more spatially, socially and environmentally aware.

There are several compulsory fieldwork days during the course where text book knowledge is put into practice and you are able to develop your own investigations. Once every 2 years, the department offers an opportunity for European field study for both GCSE and A level candidates.

Assessment 100% Final Examination (3 papers)



History (WJEC)

The course is divided into four parts:

- **A Study in Depth:**

The Elizabethan Age 1558-1603 – The Elizabethan Age begins with the early life of Elizabeth I, looking at the structure of her government and the character of the Elizabethan Settlement. Other subjects will include Elizabethan entertainment, the social classes and the various religious groups. The threat of Spain and subsequent Spanish Armada is a key component of this course.

- **A Study in Depth:**

Germany in transition 1919-39 – This involves a detailed study of the challenges to the Weimar republic leading into the Nazi dictatorship, the rise of Adolf Hitler and the development of the Nazi state.

- **A study in breadth:**

The development of the USA 1929-2000 – Students will chart the expansion of the US into a superpower of the modern era, assessing the key turning points and events along the way. Topics included here would be the Great Depression, the Cold War and the Civil Rights Movement.

- **A study in breadth:**

Changes in Health and Medicine in Britain, c.500 to the present day – Students will study the changes in medical knowledge and methods over a broad period of time, looking at key breakthroughs throughout from the likes of William Harvey to Alexander Fleming.

Assessment:

100% examination. Two exams. Skills assessed at knowledge, significance, source work and interpretations.

Career Opportunities / Further Study

History is a very useful subject to take as it shows any prospective employers or schools that you are good at analysing information, that you can understand other people's points of view and that you can come to your own conclusions and communicate them effectively. Many careers and courses require these skills. History is a popular choice for students who wish to pursue courses and careers in the police and law, the Civil Service or administration, media, finance, journalism and the Armed Forces, as well as the more obvious choices of museum and archive work including

GCSE Options



libraries, archaeology, teaching and courses and careers in the heritage leisure industry. History continues to be a popular choice with students due to its exciting topics and its links to the origins and concepts of many of the courses across the curriculum. Students can also now progress onto the A-Level course at the end of Year 11 which will explore in more detail both the content and skills of the GCSE (Tudors and Cold War).

Trips:

Ypres Trenches, National Maritime Museum at Greenwich, Penshurst Place and potentially a Germany residential.

www.eduqas.co.uk

GCSE Options



Latin (eduqas)

The Eduqas Latin GCSE fully complements the Cambridge Latin Course and includes elements of language, literature and background.

Component 1: Latin Language (50%)

Students will be required to study the grammar up to Book 5 of the Cambridge Latin Course. The examination will include a story for translation, comprehension questions and either prose composition (English to Latin) or grammar questions.

Component 2: Latin Literature and Sources (30%)

Students study both prose and verse set texts based on a theme, together with ancient source materials. This is an open book assessment.

Component 3B: Roman Civilisation (20%)

Students study a prescribed topic of Roman Civilisation in English. Proposed topics include Daily Life in a Roman Town and Roman Britain.

All the necessary material is available on the Cambridge Latin website.

www.cambridgescp.com

www.eduqas.co.uk

GCSE Options



Modern Languages (French and German)

GCSE (WJEC)

The Modern Languages GCSE aims to ensure that the study of a modern language will broaden horizons, develop cultural knowledge and understanding and foster transferable skills such as confidence, communication, problem solving and creativity. A variety of contexts will be used to access understanding in both languages, French and German.

You will take four examinations in Listening (25%), Speaking (25%), Reading (25%) and Writing (25%).

Contact with France or Germany is of great importance and therefore you will be encouraged to take part in trips and exchanges as part of the course.

Languages are increasingly important in today's world of commerce and industry so that you need to be competent in at least one other European language.

The four skills will be assessed in a final examination at the end of the two years.

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MUSIC (Edexcel)

The Music GCSE course continues the areas developed at Key Stage Three. However, before the course begins, and ideally as soon as possible, you will need to choose a main instrument or voice. You will develop your musical skills and understanding through collaborative and solo classroom work using the instruments available and your voice. You will also develop your skills on your chosen instrument and will be expected and encouraged to have weekly lessons to support this progress. You will compose music in many varied styles and learn about many different instrumental techniques and be able to critically comment on music from different cultures and historical periods.

The three key areas are:

Performing: You will be required to perform both as a soloist and in an ensemble. You will need to be self-motivated and critically aware of your progress through individual practice.

Composing: You are required to compose 2 compositions, one which is to a set brief by the exam board and the other is a free choice. Submissions will include a score appropriate to the style of music composed.

Listening: You are required to sit a 1 hour 45 minute listening exam which draws on your study of the set works and the 4 different areas of study as detailed below. You will be required to compare and contrast, or evaluate, one set work with an unfamiliar piece not studied through the course.

Areas of Study: Instrumental Music 1700-1820, Vocal Music, Music for Stage and Screen, and Fusions.

Assessment :

Component 1: Performing (30%)

Component 2: Composing (30%)

Component 3: Appraising (40%)

www.edexcel.com



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KEY STAGE 4 EXAMINATION SUBJECTS



Name: Form:

Option Subjects

Art and Design
Business
Computer Science
Drama

Food Preparation & Nutrition
French
Geography
German

History
Latin
Music
Product Design
PE

Core Subjects (1- 4)

1. English & English Literature
2. Mathematics
3. Religious Studies (short course)
4. Science

5 Preferred Modern Language

French/German

If you wish to take more than one, enter your first choice here and the other(s) under additional subjects below.

5.....

6 History / Geography

If you wish to take both, enter your first choice here and the other as an additional subject below.

6.....

7&8 Additional Subjects

Choose another **TWO** from the list of subjects at the top of this sheet and enter these in order of preference.

7

8

R Reserve subject

Please enter **ONE** extra subject which will be considered only if necessary to replace another subject.

R

**THE AVAILABILITY OF SUBJECTS WILL, IN SOME CASES, DEPEND ON NUMBERS.
IT MAY NOT BE POSSIBLE TO PROVIDE ALL THE REQUESTED SUBJECT COMBINATIONS.**

Any comments, including any idea of courses or careers aimed at in the future.

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.....

Signature of Parent or Carer.....

TO BE RETURNED TO RECEPTION BY **THURSDAY 7TH FEBRUARY 2019**

