



REIGATE GRAMMAR SCHOOL

GCSE COURSES

2017 - 2020

Third to Fifth Form Courses

2017-2020

On entry to the Third Form, all pupils currently follow a course, which leads to either the General Certificate of Secondary Education (GCSE) examination or, with Maths, ICT, Modern Foreign Languages and the Sciences, an international GCSE (IGCSE). These are three-year courses, which need to be chosen with care in consultation with the school. Careers staff are available to help pupils make an informed choice.

In addition to their examination subjects, all pupils will continue with Physical Education and Games and, as part of the Electives programme, Religious Education and Personal, Social, Health, and Economic Education.

All pupils will take the core subjects of Mathematics, English Language and English Literature and the Sciences, together with **four subjects from the list below**:

Art & Design
Classical Civilization
Computer Science
Design Technology
Drama & Theatre Arts
Food Preparation & Nutrition
French
Geography
German
History
ICT*(see note below)
Latin or Latin & Greek
Music
Physical Education
Spanish
Statistics
Theology & Philosophy

***We can also offer an IGCSE course in ICT if we have viable numbers. Please declare an interest in ICT if you wish to study it as one of your four options.**

This option system is designed to enable students to study a balanced, broadly-based academic curriculum. Most of our GCSE students go on to study A Levels and eventually a degree. The options available at university depend on the choice of A Level subjects and on the breadth of GCSE subjects and these subjects must therefore be chosen with care.

To that end we would recommend that students choose subjects that they enjoy. If they enjoy the subject they will work hard, if they work hard they will do well.

The Core

IGCSE Mathematics

At Reigate Grammar School, the majority of our students will sit the Edexcel Mathematics IGCSE, Higher Tier, at the end of the Fifth Form. The examination consists of two written papers, both with calculators. There is no controlled assessment component for this examination.

Students in Band 1 and 2 will be given the opportunity to study Mathematics to a higher level during the Fifth Form. They follow the AQA Further Mathematics GCSE, this consists of one calculator paper and one non-calculator paper.

GCSE English Language and English Literature

Studying English leads to two GCSE qualifications, with English Language and English Literature being taught in conjunction. Students are taught by the same teacher for both elements of the course in preparation for the exams at the end of the Fifth Form. These courses are both 100% examination subjects.

Students will develop the critical reading skills necessary to explore and appreciate literature. They will also learn to craft their written language precisely and effectively. Opportunities to develop speaking and listening skills will play a significant part in developing the students' understanding and expertise in the subject. They will study literature from different literary periods in the form of plays, poetry and novels; they will be given opportunities to respond creatively and analytically to what they have read in order to enrich their experience and engage them in a range of learning styles. In addition, a wide range of non-fiction texts will be explored, ranging from travel writing to challenging media texts which demand a critical response. Students are taught how to be precise, engaging and creative in their persuasive and descriptive writing.

IGCSE Science

It is a major strength of the curriculum at RGS that all students study the three separate sciences leading to three separate grades. The comprehensive nature of these courses is the perfect preparation for Science study at A Level and the skills students acquire are transferable to other subjects.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - ART

Head of Department: **MRS E BURNS**

Why study (subject)? Art and Design (Fine Art)

GCSE Fine Art is for those pupils who have a real passion and enthusiasm for art. The course aims to develop student's creative and imaginative ability and the practical skills for communicating innovative ideas. They will be encouraged to investigate, analyse, experiment and explore through a broad range of materials techniques and processes aimed at developing aesthetic understanding and producing young people with enquiring minds who have increasing independence. It is also vital that the students develop cultural knowledge and understanding of art and the use of media and technologies used in different times, contexts and societies.

How will the skills and knowledge be taught?

The pupils will work on two or three theme based projects over the course. Usually these themes are Surfaces/Natural forms and Identity and one other, usually based on a previous exam theme. The students are introduced to a wide variety of materials techniques and processes and encouraged to develop their own ideas within the given theme. All work in class time and homework goes towards the personal portfolio, which is 60% of the overall grade.

We aim to create an environment in the Art Department where all students feel supported and encouraged to take risks. Students are encouraged to develop personal attributes including self-confidence, resilience, perseverance, self-discipline and commitment. Art is in no way an easy option and students who opt for Art for GCSE will be expected to produce a substantial body of work to a very high standard.

BOARD : EDEXCEL

GCSE course structure

Content

The course will be taught over three years. The first year of the course will introduce the pupils to a broad range of materials, techniques and processes. They will experience the opportunity to develop ideas through different printmaking processes, painting, drawing, photography and 3 Dimensional work. Also to be introduced to a variety of different Artists and Art movements. This is aimed at empowering the pupils, so that they are able to take their personal ideas forward with confidence. In the Fourth and Fifth Form they will develop their own ideas and produce two or three in depth projects; however all the work produced over the three year course will constitute a personal portfolio.

Unit 1: Personal Portfolio in Art and Design.

The portfolio is coursework produced over the three year course and it is constructed from two or three major theme based projects, set by the teacher and is worth 60% of the overall grade.

They will also have an externally set exam; this is given out in the January of the 5th Year and the exam is usually held in April/May

Unit 2: Externally Set Assignment.

The exam is theme based and set by the exam board. Students have approximately 20 hours of preparation, this includes lesson time. The students then have 10 hours to produce a final outcome/s under controlled conditions.

Assessment

Students are assessed according to four assessment objectives;

AO1 Develop ideas through investigations, demonstrating critical understanding of sources

AO2 Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes

AO3 Record ideas, observations and insights relevant to intentions as work progresses

AO4 Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language

These assessment criteria are used for both the coursework / Personal Portfolio unit and for the Externally Set Assignment. Each objective accounts for 25% of the marks and both the coursework and the exam are marked out of 72.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - BIOLOGY

Acting Head of Department (GCSE): Mr William Byfield

Why study Biology?

Biology is an exciting practical subject which allows students to develop an understanding of how the human body works and our place in the fragile ecosystems around us. Whilst increasing curiosity about the living world us, students also develop many investigative approaches to understand it through working in the laboratory as well as carrying out fieldwork. Biology is a core subject which shares many principles and skills with other GCSE courses. Studying Biology involves developing specialist vocabulary, interpreting data, presenting data, making links between concepts and designing experiments to test your own hypotheses.

How will the skills and knowledge be taught?

Students will be taught by an experienced teacher, with a focus on skill development including practical work in our well equipped laboratories. The course is topic based with core principles reinforced throughout the three years.

A range of teaching approaches allow students to sustain and develop their enjoyment of studying living organisms. These include modelling tasks, observational drawing, practical investigations, looking at data, information sorting, video clips and animations, preparing and delivering presentations and consolidation questions.

Each student has access to a textbook, past paper questions, topic notes and the department YouTube channel to support independent study. The trip to the Science Live! London lectures is an opportunity to extend students and consider future career paths.

BOARD : EDEXCEL

IGCSE course structure

Content

The nature and variety of living organisms
Characteristics of living organisms; variety of living organisms.

Structures and functions in living organisms
Levels of organisation; cell structure; biological molecules; movement of substances into and out of cells; nutrition; respiration; gas exchange; transport; excretion; co-ordination and response.

Reproduction and inheritance
Reproduction in flowering plants and humans; mendelian inheritance and natural selection.

Ecology and the environment
The organism in the environment; feeding relationships; cycles within ecosystems; human influences on the environment.

Use of biological resources
Food production; selective breeding; genetic engineering; cloning.

Assessment

Biology Paper 1
This paper assesses all core material from every topic. Paper 1 is a 2 hour examination. The paper consists of 110 marks. Weighting 61.1%

Biology Paper 2
This paper assesses all material from every topic. Paper 2 is a 1 hour 15 minute examination. The paper consists of 70 marks. Weighting 38.9%

In the examination, students will be tested on:
AO1 Knowledge and understanding
AO2 Application of knowledge and understanding, analysis and evaluation
AO3 Experimental skills, analysis and evaluation of data and methods.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - CHEMISTRY

Head of Department: Mr Richard Crook

Why study Chemistry?

IGCSE Chemistry is an interesting and practical based course which involves the investigation of substances, what they are made of, how they interact and what role they play in modern industrial society. You will develop a logical approach to problem solving as well as your ability to understand abstract principles, and the course also encourages imaginative and critical thinking and develops your skills in laboratory procedures.

How will the skills and knowledge be taught?

Students will be taught by an experienced Chemistry teacher who has an in depth knowledge of the course and beyond. Chemistry is a practical based subject. The course is therefore largely taught through students performing experiments and then using their results to develop their understanding for why different reactions occur in that particular way. The theoretical aspects of the course and taught in a spiral manner with topics revisited over the three year course, enabling pupils to make firm links between topics and to help them better imbed them into long term memory.

BOARD : EDEXCEL

IGCSE course structure

Content

3rd Year

Atomic Structure
Ionic Bonding
Elements, Mixtures and Compounds
Metals
Acid Reactions

4th Year

Covalent Bonding
Rates of Reaction
Moles
Organic Chemistry
Energy Changes

5th Year

Ion Tests
Electrolysis
Polymers
Equilibria

Assessment

Paper 1

2 hours, 120 marks
Questions are a mixture of short answer and multiple choice.
Questions will cover all topics, but only the core ideas from each area.

Paper 2

1 hour, 60 marks
Questions are a mixture of short answer and multiple choice.
Questions will cover all topics, including both the core and extension ideas from each area.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - CLASSICAL CIVILISATION

Head of Department: Mrs Clare Tate

Why study GCSE Classical Civilisation?

Classical Civilisation offers the opportunity to study the fascinating and diverse world of the ancient Greeks and Romans, without the study of the Latin or Greek languages. A GCSE in Classical Civilisation offers a profound experience of another culture, broadening intellectual horizons alongside instilling academic rigour. Students develop skills in analytical writing, textual interpretation and critical reasoning whilst studying the enthralling mythology, history and culture of the ancient world.

How will the skills and knowledge be taught?

Students of Classical Civilisation have one subject-specialist teacher who teaches all aspects of the course. Lessons are varied and collaborative; drama exercises, interactive quizzes, creative tasks, debates, storyboards, and class discussion are hallmarks of a Classical Civilisation lesson. Students are encouraged to develop personal responses to ancient source material and learn to justify their points of view. A wealth of opportunity for enrichment outside the classroom is available also, in the form of lecture days, trips to see productions of Classical plays, museum visits and overseas study tours.

GCSE CLASSICAL CIVILISATION

BOARD : OCR

GCSE course structure - current specification	
Content	Assessment
<p>Myth & Religion</p> <p>In this thematic component, students will study myths regarding the role of the gods and heroes in the founding of Athens and Rome and the importance of Hercules/Hercules to both the Greek and Roman world. Myths as a symbol of power as well as myths surrounding the underworld will also be explored. Additionally, students will look at the role of religion in the everyday lives of ancient Greeks and Romans. The study of temples, sacrifice, festivals, death and beliefs in the afterlife provides opportunities for the study of a wide variety of material remains, including remarkable temples and works of art. Students learn to make comparisons between Greek and Roman ideas and to analyse both literary and material sources to inform their judgements.</p> <p>Roman City Life</p> <p>Students will explore everyday life in Roman cities in this cultural component, with a particular focus on the Imperial period and popular sites and artefacts from Rome, Ostia, Pompeii and Herculaneum. The module builds on material encountered in the 1st Form Latin course and includes study of a variety of aspects of Roman society. Students will, for instance, examine typical Roman housing alongside the education and lives of young people in the Roman world. The Roman social system, notorious for its intrigues and politics, is coupled with the study of the spectacle provided by Roman entertainment, in the form of gladiatorial combat, chariot racing and the theatre. Students consider both material and literary sources in this component.</p>	<p>The course is assessed via 2 written examinations.</p> <p>Component 1 - Myth & Religion</p> <p>Answer short response factual questions on the sources studied and provided in the assessment. In addition, answer mini-essay questions requiring a personal response to an issue raised by the material studied. One full essay question requiring comparison of the Greek and Roman strands of a topic must also be answered.</p> <p>[90 marks]</p> <p>Duration: 1 hour 30 minutes; Weighting: 50%</p> <p>Component 2 - Roman City Life</p> <p>Answer short response factual questions on the sources studied and provided in the assessment. In addition, answer mini-essay questions requiring a personal response to an issue raised by the material studied. One full essay question must also be answered.</p> <p>[90 marks]</p> <p>Duration: 1 hour 30 minutes; Weighting: 50%</p>



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - COMPUTER SCIENCE

Head of Department: Miss P Lewty

Why study Computer Science?

“Our policy at Facebook is literally to hire as many talented engineers as we can find. There just aren’t enough people who are trained and have these skills today.”

Mark Zuckerberg, Facebook Founder

“Whether we’re fighting climate change or going into space, everything is moved forward by computers and we don’t have enough people who can code.”

Richard Branson, Virgin Group Founder

How will the skills and knowledge be taught?

You will start learning each language using an online tutorial package which you can also access at home, allowing you to progress at your own pace. As your programming skills develop, you will be set various challenges to solve. These will gradually become more complex until you are eventually ready to create full systems.

The theory content is supported with worksheets, online materials and videos. You will mainly learn through investigating topics rather than listening to the teacher. Everything is organised using Office 365 and OneNote so you will always have access to notes and tasks wherever you are.

BOARD : OCR

GCSE course structure

Content

Theory of Computer Systems

- Systems Architecture
- Memory
- Storage
- Wired & Wireless Networks
- Network Topologies, Protocols & Layers
- System Security
- System Software
- Ethical, Legal, Cultural & Environmental Concerns

Computational Thinking, Algorithms & Programming

- Algorithms
- Programming Techniques
- Producing Robust Programs
- Computational Logic
- Translators & Facilities of Languages
- Data Representation

Programming Project

- Programming Techniques
- Analysis
- Design
- Development
- Testing & Evaluation & Conclusions

Assessment

Paper 1

Theory of Computer Systems
80 marks

1 hour 30 minutes
40%

This written paper contains short-answer and structured questions.

Paper 2

Computational Thinking, Algorithms & Programming
80 marks

1 hour 30 minutes
40%

This written paper contains short-answer and structured questions.

Programming Project (Non-Exam Assessment)

40 marks

20 hours
20%



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - DESIGN TECHNOLOGY (PRODUCT DESIGN)

Head of Department: Mr P Williams

Why study GCSE Design Technology

Studying Design Technology at GCSE is exciting, inspiring and challenging which prepares students to live and work in the designed made world. Students will be able to develop a range of both designing and manufacturing skills utilising all available technologies from computer aided design to manufacturing using laser cutters and 3D Printers. Students will become independent thinkers and have to use their skills to develop a variety of design solutions throughout the course. Students will also have opportunities to work in groups and complete an enterprise project where they will need to develop ideas, manufacture and sell their products.

How will the skills and knowledge be taught?

The GCSE will be taught by one subject teacher for 3 years so that relationships can be built to engage students throughout the course. In the Third Form the course will be made up of several projects which will stretch the students and develop their designing and manufacturing skills. The Fourth Form will consist of a major project which will thoroughly prepare our students for their design assessment task. They will also start to develop their theoretical knowledge throughout the year focussing on different topics each term. The 5th Form will be focussed on their final design assessment task where detailed preparation will be undertaken so that students feel confident in developing their design portfolios. They will also manufacture their final product which forms a significant proportion of their final grade.

GCSE DESIGN & TECHNOLOGY
(PRODUCT DESIGN)

BOARD : WJEC

GCSE course structure

Content

Coursework briefs are set by the exam board and will give opportunities for students to design and make a product. They will need to complete a portfolio which will guide them through the design process.

The course will cover the following topics:

- Developing, Planning & Communicating Ideas
- Product Analysis
- Sustainability & Legislative Issues
- Designers & Practitioners
- Commercial Manufacturing Practices
- Materials & Components
- Tools, Equipment & Making
- Manufacture
- ICT, CAD/CAM
- Systems & Processes

Assessment

The GCSE in Design Technology is 50% Coursework and 50% Exam.

Component 1

There is a 2 hour final exam which will test the students on all topics covered throughout the course, there will be mix of short answer, structured and extended writing questions and the understanding of technical principles and their ability to analyse and evaluate design decisions.

Component 2

The coursework contextual briefs are set by the WJEC and consists of a portfolio and sketchbook which guides the students through the design process. They will have to consider their target market, innovative features development of their idea and then manufacture it using all available resources in the department.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - DRAMA

Head of Department: Sarah Branston

Why study Drama?

“Great theatre endures through time because it addresses critical human issues that are still vital to culture.”

Drama is a subject which builds on young people’s own experiences, helping you to formulate questions, develop your intellectual skills and find answers to issues affecting your life through performance. The course will greatly enhance your cultural experience and provide you with an array of vital personal and group disciplines. Furthermore, the social and communication skills developed as an integral part of the course are invaluable. In addition, by insisting on informed, accurate and critical analysis in all academic work, the course develops and deepens your analytical abilities. The course is not, and cannot be, an actor’s training course- but lessons will demand a full participation in a range of practical activities. You will approach theatre creatively as a director, a critic, a designer and a performer. You will get a chance to explore amazing theatre companies and see ground-breaking theatre. You must relish learning with others, as the subject is collaborative in its practical and experiential learning approach.

Drama students are powerful learners: they have the virtue of sociability. This ability to be flexible within disciplined teams is what employers love about a Drama student!

At Reigate Grammar School, you can use your Drama qualification as a stepping-stone to an A Level in Theatre Studies in the Sixth Form. But, it is equally rewarding to take a G.C.S.E. in Drama for its own sake, perhaps to complement your other subjects. Or you might wish to go into a job where you will need the skills developed during this course. Whether you choose an academic, artistic, commercial or industrial career, the chance to work together to create exciting theatre and develop your own, independent passion is an exciting prospect.

How will the skills and knowledge be taught?

“It is because of the emotional impact of the arts that it is possible to learn from them in ways which would otherwise be impossible to achieve.”

Drama students will learn the following skills:

- to be **CURIOS**, to have **COURAGE** and to develop their **CREATIVE IMAGINATION** - through all practical work and design work
- to **EXPLORE**, **EXPERIMENT** and **INVESTIGATE**- through practical work, by writing live theatre reviews as a critic, through reading plays and staging them for contemporary audiences
- to yoke creativity to **REASON** and **DISCIPLINE**- through writing about theatre in structured essays
- to be **REFLECTIVE**- through keeping interactive blogs, diaries of the rehearsal process and constant self-evaluation

Drama students will gain the following knowledge through: practical workshops, rehearsal, independent learning, tutorials, group work, reflective blogs, research and theatre trips:

- An understanding of, and response to a range of contemporary and classical play texts and an appreciation of the way playwrights achieve their effects
- An awareness of social, historical and cultural contexts through the performance of plays and improvisation
- Increased self-awareness
- Skills of creativity, self-confidence, concentration, self-discipline and communication
- A grounding in theatre history and why theatre creates such an impact on our culture
- How to direct, design or perform theatre

BOARD : EDUQAS

GCSE course structure	
Content	Assessment
<p>Component 1: Devising Theatre This has three stages:</p> <ul style="list-style-type: none"> * Devising a piece of theatre, including research, development, rehearsal, and collecting supporting evidence * Performing that piece in front of an audience * Evaluating the piece and your contribution to it <p>Component 2: Performing a Text</p> <ul style="list-style-type: none"> * A live performance, either as an actor or designer, which is marked by a visiting examiner * Performance includes two extracts from one play * Acting, sound, lighting, set design, costume, make-up - there are options to suit all skillsets <p>Component 3: Interpreting Theatre</p> <ul style="list-style-type: none"> * You study a play from a performance perspective, exploring interpretation, history, staging and production. Section A of the written exams tackles this knowledge * Section B involves analysis and evaluation of a piece of live theatre seen from the variety experienced throughout the course 	<p>Component 1: Devising Theatre 60 marks (40%) Internally assessed, externally moderated</p> <p>Component 2: Performing a Text 60 marks (20%) Marked by a visiting examiner</p> <p>Component 3: Interpreting Theatre 60 marks (40%) A written exam from a set text</p>



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - ENGLISH

Head of Department: **Mr. Robert Shaughnessy**

EDUQAS GCSE English Language (9-1)

EDUQAS GCSE English Literature (9-1)

English gives students the essential skills to communicate, to be creative and to engage with the wider world. We study a vast range of fiction and non-fiction texts that will inspire, engage and challenge all students.

Students sharpen their analytical skills, but also develop vital cross-curricular skills in skim reading, summarising and writing for different purposes. We encourage students to read widely to develop their vocabulary, ideas and how they deal with new texts. Each class takes part in a range of creative activities designed to allow students to flourish and demonstrate their depth of understanding and originality.

Developing strong skills in English allows students to make strong progress across all subjects.

How will the skills and knowledge be taught?

Students enjoy English; the department has strong exam results and outstanding A Level results. Assessment for learning is at the core of the department's ethos and we ensure students take responsibility for developing their work, therefore making more personalised progress. Our marking and assessment is a constant dialogue and students understand how to improve the quality of their responses. Students engage with ICT to create excellent outcomes, whether they are researching the historical context of a text or developing a creative response.

We are a responsive and flexible department as we share our high expectations with our students; they are challenged academically and their perceptions are tested and questioned to help them access the highest grades.

English is not confined to the classroom; we have visiting authors and speakers, along with specific trips and deep learning days away from the usual timetable. We nurture and develop our students' enthusiasm for language, reading and writing in all of its different formats.

GCSE Course Structure

Content

EDUQAS English Language

100% Exam (1-9)

EDUQAS English Literature

100% Exam (1-9)

Over the course, students will prepare for two exams for English Language (Component 1 and Component 2) and two exams for English Literature, Component 1 (A & B) and Component 2 (A, B & C).

The English Language exam focuses on two key skills: critical reading and writing for a purpose. Component 1 prepares students to analyse a descriptive 20th century fiction text and to write their own descriptive piece in Section B. Component 2 examines and compares two 19th and 20th century non-fiction texts in the reading section; students also write two persuasive texts in this exam.

In the English Literature exam, students will write analytical essays on a selection of poetry, prose and drama which is studied across the course. Component 1 examines Shakespeare's drama and a variety of poetry from our anthology. In Component 2 students will write analytical essays on both 19th and 20th century fiction texts as well as an essay on unseen poetry.

Assessment

English Language Assessment Objectives

AO1: identify and interpret explicit and implicit information and ideas. Select and synthesise evidence from different texts.

AO2: Explain, comment on and analyse how writers use language and structure to achieve effects and influence readers, using relevant subject terminology to support their views.

AO3: Compare writers' ideas and perspectives, as well as how these are conveyed, across two or more texts.

AO4: Evaluate texts critically and support this with appropriate textual references.

AO5: Communicate clearly, effectively and imaginatively, selecting and adapting tone, style and register for different forms, purposes and audiences. Organise information and ideas, using structural and grammatical features to support coherence and cohesion of texts.

AO6: Use a range of vocabulary and sentence structures for clarity, purpose and effect, with accurate spelling and punctuation.

English Literature Assessment Objectives

AO1:1a: Read, understand and respond to texts to maintain a critical style.

AO1:1b: Read, understand and respond to texts to develop an informed personal response.

AO1:2: Use textual references, including quotations, to support and illustrate interpretations.

AO2: Analyse the language, form and structure used by a writer to create meanings and effects, using relevant subject terminology where appropriate.

AO3: Show understanding of the relationships between texts and contexts in the way in which they were written.

AO4: Use a range of vocabulary and sentence structures for clarity, purpose and effect, with accurate spelling and punctuation.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - FOOD PREPARATION & NUTRITION

Head of Department: Mrs E Bader

Why study Food Preparation and Nutrition?

Food is a subject with direct relevance to the world of work. Study of food provides knowledge, skills and understanding which support careers in the Food Industry, the biggest employer on the UK. Examples include: Catering, Nutrition, Consumer Advice, Media, Food Science, Product Development and many more. You will also look at processes as well as the science behind the reactions that take place when certain foods are prepared and cooked.

How will the skills and knowledge be taught?

At its heart, this course focuses on nurturing your practical skills to give you a strong understanding of nutrition. This will be taught through food science experiments, investigations, practical activities and individual project work. There will be opportunities to visit food establishments and masterclasses will be given by professionals in the food industry.

BOARD : EDUQAS

GCSE course structure	
Content	Assessment
<p>This is an exciting and creative course which focuses on practical and investigational skills to ensure students develop a thorough understanding of food science, nutrition, food provenance and the working characteristics of food materials. The course is divided into 5 key sections:</p> <ul style="list-style-type: none"> Food, Nutrition and Health Food Science Food Safety Food Choice Food Provenance <p>Component 1: Written exam will be taken during Summer Term of the Fifth Form</p> <p>Component 2: Assessment 1 will be undertaken in the Autumn Term of the Fifth Form.</p> <p>Component 2: Assessment 2 will be undertaken in the Summer Term of the Fifth Form.</p>	<p>Component 1: Principles of Food Preparation and Nutrition 50% Written exam: 1 hour and 45 minutes Section A: Questions based on stimuli material (20 marks) Section B: 5 questions based on the 5 key sections (80 marks)</p> <p>Component 2: Food Preparation and Nutrition in Action 50% Assessment 1: The Food Investigation Assessment: 8 hours 15% A scientific report based on a practical investigation. It requires students to demonstrate their understanding of the working characteristics, functional and chemical properties of ingredients. 1,500 – 2000 words</p> <p>Assessment 2: The Food Preparation Assessment: Planning 9 hours + 3 hours practical 35% Plan, prepare and cook a selection of dishes, to meet particular requirements such as a dietary need, lifestyle choice or specific context. This assessment will take the form of research, planning, testing, trialling, making and evaluation. This includes costings, nutritional analysis and sensory testing. The portfolio of evidence should consist of a maximum of 15 pages / 30 sides of A4 and include all photographs, charts and graphs.</p>



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - FRENCH

Head of Department: Mme Fanélie Chartrain

Why study IGCSE French

Studying one or two modern languages at IGCSE is very fulfilling in itself but it also enables you to discover different cultures and ways of life and enhances opportunities at university and in many professions. Being able to express yourself in a French is both a joy and a real achievement and IGCSE French enable you to do this.

A genuine interest and enthusiasm for discovering the language is important as students will express themselves in French and be able to enjoy the many activities they will take part in.

How will the skills and knowledge be taught?

IGCSE French is taught by one specialist teacher for each group and students have individual or small group sessions with a French Language assistant on a regular basis.

Students continue to develop their vocabulary range and grammar knowledge and precision. They enhance their speaking and writing fluency in a variety of ways through the study of interesting topics and cultural aspects. We use varied resources, textbooks, magazines and multimedia software. Through these, students learn how to cope with communicating about themselves as well as discussing topical issues such as leisure activities and preferences, environmental issues and comparing different school systems.

There is also an opportunity to take part in an exchange and cultural trip for those studying French at IGCSE level.

BOARD : EDEXCEL

IGCSE course structure

Content

Five main topics are studied and form the basis of all IGCSE examinations and are a vehicle for work on all skills and on enhancing grammar and linguistic complexity :

1. Home and abroad (e.g. local area / region, holidays and tourist information, customs)
2. Education and employment (e.g. school life, future plans, work careers and volunteering)
3. Personal life and relationships (e.g. house and home, bedroom, helping at home, relationships, childhood and role models)
4. The world around us (e.g. the media , environmental issues, travel and transport, technology)
5. Social activities, fitness and health (e.g. special occasions, accidents, hobbies, shopping and money matters, food and drink).

Assessment

IGCSE French consists of the following components, all taken at the end of the Fifth Form and are all marked by Edexcel:

Speaking - 25% of the overall mark: an oral examination in two parts : talking about a chosen / pre-prepared photo and conversing about different topics that will have been covered and practised during the course. The examination is conducted and recorded by the teacher.

Listening - 25% of the overall mark: questions and answers in French and in English in response to recorded items.

Reading - 25% of the overall mark: questions and answers in French and in English on a selection of letters, articles and short passages.

Writing - 25% of the overall mark: two compositions (75 words and 150 words) in the target language in response to tasks on the topics studied. Guidance is given on the exam paper to assist students with both written tasks. There is also a short grammar-based task.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - GEOGRAPHY

Head of Department: Mr M.G.Cline

Why study Geography?

Geography builds on experiences, helps us formulate questions, develop intellectual skills and find answers to issues that affect us all. It introduces us to distinctive investigative tools and the use of powerful technology. It opens our eyes to a world of amazing beauty, infinite complexity and rigorous challenge. Geography ensures we appreciate values and attitudes which shape the way we use and misuse the environment. GCSE results from 2016 included 90% of grades at A* or A. At A2, 92% of grades were A* to B. 9 of our current A2 students are applying for Geography at university.

How will the skills and knowledge be taught?

This exciting and relevant course studies geography in a balanced framework of physical and human themes and investigates the link between them. Students will travel the world from their classroom, exploring case studies in the United Kingdom, higher income countries, newly emerging economies and lower income countries. Topics of study include climate change, poverty, deprivation, global shifts in economic power and the challenge of sustainable resource use. Teaching includes a variety of practical exercises, fieldwork and research using an extensive range of resources. Upon completion of this three year GCSE course, students will have the skills and experience to progress onto A-level and beyond.

BOARD : AQA

GCSE course structure

Content

Paper 1: Living with the physical environment

The challenge of natural hazards incl. earthquakes and volcanoes

Weather hazards incl. tropical storms

Climate change

Ecosystems incl. tropical forests, hot and cold deserts

Coasts in UK

Rivers in UK

Glacial landscapes in UK

Paper 2: Challenges in the human environment

Urban issues and challenges incl. growth, management and sustainability

The changing economic world incl. quality of life and the development gap

The challenge of resource management incl. food, water and energy - demand, supply and conflict

Paper 3: Geographical applications

Critical thinking, problem solving and decision-making are designed to be synoptic so students draw together knowledge, understanding and skills from the full course of study. It is an opportunity to show your breadth of understanding and an evaluative appreciation of the interrelationships between different aspects of geographical study.

Assessment

Paper 1: Living with the physical environment

Written exam: 1 hour 30 minutes

• 35% of GCSE

Paper 2: Challenges in the human environment

Written exam: 1 hour 30 minutes

• 35% of GCSE

Paper 3: Geographical applications:

Written exam: 1 hour 15 minutes

• 30% of GCSE

◆ Pre-release resources booklet for decision-making element made available 12 weeks before Paper 3 exam

There is no coursework or controlled assessment, but fieldwork is an integral part of the course and appropriate local trips are organised for practical data collection. Recent visits have included London Docklands, Siemens "Crystal" and Cuckmere Haven.

The Department also offers an optional trip to Iceland.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - GERMAN

Head of Department: Ms Martina Sowa

Why study IGCSE German

Studying one or two modern languages at IGCSE is very fulfilling in itself but it also enables you to discover different cultures and ways of life and enhances opportunities at university and in many professions. Being able to express yourself in a German is both a joy and a real achievement and IGCSE German enable you to do this.

A genuine interest and enthusiasm for discovering the language is important as students will express themselves in German and be able to enjoy the many activities they will take part in.

How will the skills and knowledge be taught?

IGCSE German is taught by one specialist teacher for each group and students have individual or small group sessions with a German Language assistant on a regular basis.

Students continue to develop their vocabulary range and grammar knowledge and precision. They enhance their speaking and writing fluency in a variety of ways through the study of interesting topics and cultural aspects. We use varied resources, textbooks, magazines and multimedia software. Through these, students learn how to cope with communicating about themselves as well as discussing topical issues such as leisure activities and preferences, environmental issues and comparing different school systems.

There is also an opportunity to take part in an exchange and cultural trip for those studying German at IGCSE level.

BOARD : EDEXCEL

IGCSE course structure

Content

Five main topics are studied and form the basis of all IGCSE examinations and are a vehicle for work on all skills and on enhancing grammar and linguistic complexity :

1. Home and abroad (e.g. Life in the town and rural life, holidays and tourist information, local customs)
2. Education and employment (e.g. school life and routine, work, careers, volunteering and future plans)
3. Personal life and relationships (e.g. house and home, daily routines, helping at home, childhood, role models and relationships)
4. The world around us (e.g. environmental issues, weather and climate, travel and transport, media and technology)
5. Social activities, fitness and health (e.g. special occasions, accidents and injuries, health issues, hobbies, shopping and money matters, food and drink)

Assessment

IGCSE German consists of the following components, all taken at the end of the Fifth Form and are all marked by Edexcel:

Speaking - 25% of the overall mark: an oral examination in two parts : talking about a chosen / pre-prepared photo and conversing about different topics that will have been covered and practised during the course. The examination is conducted and recorded by the teacher.

Listening - 25% of the overall mark: questions and answers in German and in English in response to recorded items.

Reading - 25% of the overall mark: questions and answers in German and in English on a selection of letters, articles and short passages.

Writing - 25% of the overall mark: two compositions (75 words and 150 words) in the target language in response to tasks on the topics studied. Guidance is given on the exam paper to assist students with both written tasks. In addition there is also a short grammar-based task.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - GREEK

Head of Department: Mrs Clare Tate

Why study GCSE Greek?

The ancient Greek world has given us a heritage of extraordinary richness and diversity. Classical Greek at GCSE offers the facility to explore the fascinating literature, history, drama and mythology of the ancient Greeks, whilst developing linguistic proficiency and skills in critical reasoning, textual interpretation and analytical writing. A GCSE in Classical Greek is a highly-regarded means of demonstrating all-round academic ability and a rare opportunity. It is offered alongside Latin on an accelerated course.

How will the skills and knowledge be taught?

Students of Greek have one subject-specialist teacher who teaches all aspects of the course. Lessons are varied and collaborative; drama exercises, interactive quizzes, creative tasks, written translation, storyboards, poetry recitals and vocabulary games all feature over the three strands of the course as students are challenged to think increasingly for themselves both in solving linguistic puzzles and developing their ability to analyse literature and ancient sources. Trips to Caerleon and Bath, theatre trips and an overseas study tour to Greece are also offered as a means of enriching students' experience of Greek at GCSE.

GCSE GREEK

BOARD : OCR

GCSE course structure	
Content	Assessment
<p>Language</p> <p>Students use John Taylor's <i>Greek to GCSE</i> course books as they begin their study of the Greek language from scratch. The course fast-tracks students' acquisition of the necessary accidence and syntax required for the GCSE language paper; to assist this, links are regularly made to Latin's grammatical structure. There is a defined vocabulary list and English derivations from Greek are used to aid vocabulary acquisition.</p> <p>Literature</p> <p>Students will study a short section of prescribed text in the original Greek. The text is read, translated and explored together in class discussion and students are encouraged to form their own responses to the set literature. The set text will be chosen from a varied range of prescribed options and its themes, characterisation and the author's style will all be explored in class.</p> <p>Culture and Background</p> <p>Students study a selection of prescribed ancient source material covering Athenian society and the ancient Olympic Games through a wide variety of interactive and creative activities. Athenian society topics to be studied include the Acropolis, the role and importance of Athena, democracy, ostracism and slavery. The ancient Olympic Games covers the events at the Games, the training of athletes, the site at Olympia as well as the religious and political aspects of the event.</p>	<p>The course is assessed via 3 written examinations.</p> <p>Component 1 - Language</p> <p>Section A: Answer comprehension and derivation questions on an unseen passage of Greek. In addition either answer questions on accidence and syntax or translate three short English sentences into Greek. [30 marks]</p> <p>Section B: Answer comprehension questions on and produce a translation in English of an unseen passage of Greek. [70 marks]</p> <p>Duration: 1 hour 30 minutes; Weighting: 50%</p> <p>Component 2 - Literature</p> <p>Answer short response questions, including both translation and comprehension on a prescribed set text. In addition, answer questions focusing on literary style, characterisation and themes. [50 marks]</p> <p>Duration: 1 hour; Weighting: 25%</p> <p>Component 3 - Culture and Background</p> <p>Answer short response factual questions on the sources studied and provided in the assessment. In addition, answer mini-essay questions requiring analysis of selected sources and a personal response to an issue raised by the material studied. [50 marks]</p> <p>Duration: 1 hour; Weighting 25%</p>



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - HISTORY

Head of Department: Frances Gunning

Why study History?

History is a fascinating and highly regarded academic subject. You will learn a range of important skills which are directly relevant to understanding the world around you and the world of work. For instance, you will learn how to research, interpret, analyse and evaluate all kinds of sources of information (a skill vital in our information age); you will learn how to communicate your ideas effectively orally, visually and in writing; you will develop the skills needed for successful argument and analysis.

It is through the study of different societies that you will develop a real and deep understanding of the world around you and the nature of our own society.

How will the skills and knowledge be taught?

Teaching will be varied and engaging. History lends itself to lively discussion and debate, and encourages exploration of the big questions, such as what was the impact of the First World War? How do you explain the rise of Adolf Hitler and the Nazis? What was Nazi Germany like for children and for Jews? Why did the Holocaust happen?

It enables you to examine the key ideas and values such as freedom, democracy, communism, and fascism, and in doing so to watch film material used by leaders such as Stalin and Churchill, and even to produce propaganda of your own! You will learn to research widely, to present, analyse and argue, both in groups, and as an individual, and to do so orally, visually, and on paper.

BOARD : AQA

GCSE course structure

Content

Component 1: Understanding the modern world.

Section A: Period studies - Germany, 1890 –1945: Democracy and dictatorship.

Section B: Wider world depth studies - Conflict and tension, 1918 -1939.

Component 2: Shaping the nation.

Section A: Thematic studies, such as Britain: Health and the people, or Power and the people.

Section B: British depth studies including the historic environment, looking at the different aspects of society at a particular time.

Assessment

The specification is linear.

It is now 100% externally examined. This means that there is no course work or controlled assessment.

There will be a mixture of short answer questions, essay style questions, and source evaluation.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - ICT

Head of Department: Miss P Lewty

Why study ICT?

IGCSE Information and Communication Technology encourages learners to develop lifelong skills, including:

- Understanding and using applications
- Using ICT to solve problems
- Analysing, designing, implementing and evaluating ICT systems, ensuring they are fit for purpose
- Understanding the implications of technology in society, including social, economic and ethical uses
- Awareness of the ways ICT can help in home, learning and work environments

How will the skills and knowledge be taught?

Approximately 1 in 3 lessons will be of a theoretical nature. These will cover all that is needed for the theory exam.

The majority of lessons will be practical in preparation for the practical exams. Students will be taught to use a range of applications including word-processing, spreadsheets, databases, presentation and web authoring. Some HTML will also be covered.

Most of practical work will be project based in style.

BOARD : CAMBRIDGE

IGCSE course structure

Content

Candidates study the following topics:

- Types and components of computer systems
- Input and output devices
- Storage devices and media
- Networks and the effects of using them
- The effects of ICT
- ICT applications
- The system life cycle
- Safety and security
- Audience
- Communication
- File management
- Images
- Layout
- Styles
- Proofing
- Graphs and charts
- Document production
- Data manipulation
- Presentations
- Data analysis
- Website authoring

Assessment

Paper 1

Theory exam

2 hours

40%

This paper covers all areas of the syllabus content. All questions are compulsory, mostly multiple choice or short answer questions but also some require longer answers.

Paper 2

Practical exam

2 hours 30 minutes

30%

This practical exam assesses the practical skills needed to use applications for document production, data manipulation and presentation

Paper 3

Practical exam

2 hours 30 minutes

30%

This practical exam assesses the practical skills needed to use applications for data analysis and website authoring.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - LATIN

Head of Department: Mrs Clare Tate

Why study GCSE Latin?

Latin is a rich, stimulating and wide-ranging subject, which offers the facility to explore the language, literature, history, mythology and culture of the Romans. Whilst fascinating in its own right, by its interdisciplinary nature, Latin GCSE promotes the acquisition of a myriad of transferable skills, from problem-solving to analytical writing. As such, a GCSE in Latin is a highly-regarded way of demonstrating all-round academic ability, but more importantly a fun and varied discipline which helps students better understand their place in the modern world.

How will the skills and knowledge be taught?

Students of Latin have one subject-specialist teacher who teaches all aspects of the course. Lessons are varied and collaborative; drama exercises, interactive quizzes, creative tasks, written translation, storyboards, poetry recitals and vocabulary games all feature over the three strands of the course as students are challenged to think increasingly for themselves both in solving linguistic puzzles and developing their ability to analyse literature and ancient sources. Trips to Caerleon and Bath, linguistic competitions and an overseas study tour are also offered as a means of enriching students' experience of Latin at GCSE.

GCSE LATIN

BOARD : OCR

GCSE course structure	
Content	Assessment
<p>Language</p> <p>Students continue with the Cambridge Latin Course through to Book 3, which is set in Roman Britain and follows a comic pair of hopeless Roman soldiers, and Book 4, which is set in Rome and deals with Salvius' ambitious plotting for power. In doing so students develop their range and understanding of vocabulary, accidence and syntax in preparation for the GCSE language paper. There is a defined vocabulary list and English derivations from Latin continue to feature prominently.</p> <p>Literature</p> <p>Students will study a short section of prescribed text in the original Latin. The text is read, translated and explored together in class discussion and students are encouraged to form their own responses to the set literature. The set text will be chosen from a varied range of prescribed options and its themes, characterisation and the author's style will all be explored in class.</p> <p>Culture and Background</p> <p>Students study a selection of prescribed ancient source material covering the myths and beliefs of the Romans and their influence on Britain through a wide variety of interactive and creative activities. The Myths and Beliefs component covers Roman gods, state religion, the story of Romulus and Remus as well as Rome's origins in Troy, whilst the Roman Britain topic considers the army and bathing, as well as the roads and villas built in Britain by the Romans.</p>	<p>The course is assessed via 3 written examinations.</p> <p>Component 1 - Language</p> <p>Section A: Answer comprehension and derivation questions on an unseen passage of Latin. In addition either answer questions on accidence and syntax or translate three short English sentences into Latin. [30 marks]</p> <p>Section B: Answer comprehension questions on and produce a translation in English of an unseen passage of Latin. [70 marks]</p> <p>Duration: 1 hour 30 minutes; Weighting: 50%</p> <p>Component 2 - Literature</p> <p>Answer short response questions, including both translation and comprehension on a prescribed set text. In addition, answer questions focusing on literary style, characterisation and themes. [50 marks]</p> <p>Duration: 1 hour; Weighting: 25%</p> <p>Component 3 - Culture and Background</p> <p>Answer short response factual questions on the sources studied and provided in the assessment. In addition, answer mini-essay questions requiring analysis of selected sources and a personal response to an issue raised by the material studied. [50 marks]</p> <p>Duration: 1 hour; Weighting 25%</p>



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - MATHEMATICS

Head of Department: Mrs Arabella Crook

Why study Maths?

Mathematics is the art of problem solving, it is part of everyday life. From predicting the weather to understanding the origins of the universe mathematics is used to describe and understand the world (and universe) around us. It is a vital tool in our increasingly technical world, playing an important role in many aspects of modern life, from protecting our details online to predicting the next stock market crash.

Our aim is to foster a positive work environment where all students feel confident and able to take risks, enabling them to reach their full potential. By studying Mathematics, students learn to appreciate the innate beauty and simplicity of the subject, whilst also developing their ability to think logically and analyse complex situations.

How will the skills and knowledge be taught?

Mathematics lessons are taught in a variety of engaging and stimulating ways that focus on problem solving that develop the student's own thinking skills. Going beyond the classroom the curriculum is enriched with UKMT challenges, Hans Woyda Maths competition, visits to attend lectures at the Institute of Education lectures and guest speakers such as Simon Singh, Johnny Ball and David Spiegelhalter.

Mathematics is a core subject at GCSE and all students are entered for the Higher Tier International GCSE; over 50% of the cohort study the AQA Further Maths Level 2 certificate.

BOARD : EDEXCEL

IGCSE course structure	
Content	Assessment
<p>Number Use numerical skills in a purely mathematical way and in real-life situations.</p> <p>Algebra Use letters as equivalent to numbers and as variables. Understand the distinction between expressions, equations and formulae. Use algebra to set up and solve problems. Demonstrate manipulative skills. Construct and use graphs.</p> <p>Geometry Use properties of angles. Understand a range of transformations. Work within the metric system. Understand ideas of space and shape. Use ruler, compasses and protractor appropriately.</p> <p>Statistics Understand basic ideas of statistical averages. Use a range of statistical techniques. Use basic ideas of probability.</p>	<p>Two papers, 3H and 4H. Each paper is assessed through a two-hour examination set and marked by Edexcel.</p> <p>The total number of marks for each paper is 100.</p> <p>Each paper will have approximately equal marks available for each of the targeted grades.</p> <p>Each paper will assess the full range of targeted grades at Higher Tier.</p> <p>Questions will assume knowledge from the Foundation Tier subject content.</p>



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - MUSIC

Head of Department: Mr T Carden

Why study GCSE Music?

Music is hugely enriching, and is an integral part of our everyday lives. Studying music gives you greater insight into pieces of all styles, and a great opportunity to develop your creativity.

Through studying music, you will develop many transferable skills and attributes, including creative thinking, concentration, problem-solving, emotional awareness, memorisation and co-ordination.

You will need to develop performing skills on an instrument, or as a singer, to about Grade 5 standard by the end of the Fifth Form - you have three years to work on this! - and you will gain about a third of your credit for the qualification by performing as a soloist and in a group.

If you love listening to music, and playing it, and you want to improve your own writing of music, then this is the course for you.

How will the skills and knowledge be taught?

GCSE Music lessons are extremely diverse, and are taught in the purpose-built Music School which has outstanding facilities available to everyone. There is a large practical element to the course, which involves performing and composing. Composing skills are taught from scratch, and there is access to industry-standard sequencing and notation software, in and out of academic lesson times. As a performer, you have access to excellent studio facilities for recording, and expert tuition from specialist music staff. You will also be taught how to listen in detail and analyse music of all styles and genres, including music which will already be familiar, and lots of new things too.

BOARD : EDEXCEL

GCSE course structure

Content

The GCSE in Music is 60% coursework and 40% exam.

Solo and ensemble performances (combined duration of at least 4 minutes) are prepared and recorded during the course, often with the one-to-one help of RGS Instrumental and vocal teachers. Performing styles and related matters are studied throughout the course. There is an option to perform using music technology.

Composing is taught methodically, and enthusiasm for this area and the willingness to find out more are the only prerequisites! A number of projects are completed during the course, two of which are submitted for GCSE, totalling at least 3 minutes of music. One relates to a brief from the exam board, and the other is a free composition, in any style.

Four areas of music are studied in depth, with two set works from each [Instrumental Music 1700—1820; Vocal Music; Music for Stage and Screen; and Fusions]. The set works include the main title from *Star Wars*, Beethoven's *Pathétique Sonata*, and *Defying Gravity* from *Wicked*.

Assessment

Performance (30% of the GCSE) is assessed internally in the Fifth Form, and moderated by the exam board. The criteria relate to technical control, expression and interpretation, and accuracy and fluency of performance.

Compositions (30% of the GCSE) are completed during the course, assessed internally and moderated by Edexcel. The composing brief will be related to one of the four areas of study (see course content). Marks are awarded according to: development of musical ideas, demonstration of technical control and composing with musical coherence.

Listening and appraising (40% of the GCSE) is assessed in a written exam of 1 hour 45 minutes at the end of the course. Section A (68 marks) involves questions relating to six of the eight set works, and one unfamiliar piece. Section B (12 marks) is a comparison of one set work to an unfamiliar piece.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - PHYSICAL EDUCATION

Head of Department: Mrs Liz Mitchell

Why study Physical Education?

Physical Education and leading a healthy active lifestyle is a way of life. This course links the scientific disciplines of physiology, biomechanics and psychology to help you to understand how an elite athlete performs. It also gives you an introduction of how the multi million pound sporting industry has developed throughout time and the ethical issues that have arisen from striving to become the ultimate athlete. Physical Education GCSE also contains a practical element to the course. It is worth 40% of the final exam so if you enjoy sport and want to find out more about why and how you learn, how to improve and reach that ultimate performance then you should read on.

How will the skills and knowledge be taught?

Students of Physical Education will have one specialist teacher who will cover all areas. Theory- Applied anatomy and physiology, Movement analysis, Physical training, Psychology, Socio-cultural influences, Health, fitness and well-being and use of data in Sport.
 Practical—performance in three different physical activities in the role of player/performer (one in a team activity, one in an individual activity and a third in either a team or in an individual activity). Also in the practical there is Analysis and evaluation of performance to bring about improvement in one activity.
 Lessons are taught in a variety of engaging and stimulating ways, predominantly through practical. The focus is on developing the student's own thinking skills and using their own sporting experiences to enhance learning. Going beyond the classroom the curriculum is enriched with lectures on topics such as nutrition in sport, trips to places of sporting interest and guest speakers

BOARD : AQA

GCSE course structure

Content

Practical

Performance assessment—practical performance in 3 sports, one team sport, one individual sport and one from either, chosen off the specified list

Performance analysis assessment—students analyse themselves or another student and identify 2 strength and 2 weakness. They devise an action plan to improve their performance.

Theory

Applied Anatomy and Physiology- The structure and functions of the musculoskeletal system and cardio respiratory system, anaerobic and aerobic exercise, The short and long term effects of exercise.

Movement analysis- Lever systems, planes and axis of movement.

Physical Training- developing a training programme, components of fitness, fitness testing, data collection of fitness testing and its use, principles of training, types of training, preventing injuries, warm up, warm down.

Psychology— Classification of skill, goal setting, information processing, mental preparation for performance, arousal, feedback, motivation.

Socio cultural influences— socio patterns of engagement, media, sponsorship, impact of technology, drugs in sport, spectator behaviour, hooliganism,

Health and well being— Physical, emotional and social health, consequences of a sedentary lifestyle, energy use, diet and nutrition and hydration.

Assessment

GCSE PE is 60% Theory, 40% Practical

Non Examined Assessment :

What's assessed: Practical performance in 3 sports and analysis and evaluation of a performance to bring about improvement.

How is it assessed: assessed by teachers, moderated by AQA (100 Marks) 40% of the total.

Paper 1: The human body and movement in Physical activity and sport

What's assessed: Applied Anatomy, Physical Training, Movement Analysis and Use of Data

How is it assessed: written exam 1 hour 15 mins (78 Marks) 30% of the total

Paper 2: Socio cultural influences and health and well being

What's assessed: Sports psychology, socio cultural influences, health, fitness and well being and use of data.

How is it assessed: written exam 1 hour 15 mins (78 Marks) 30% of the total



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - PHYSICS

Head of Department: Philip Saunders

Why study Physics?

Physics is a broad and dynamic subject where you can study everything from subatomic radioactive decay to the orbits of comets and many things in between. You will investigate the behaviour of light as it interacts with different objects and how the motor effect enables you to listen to music on the go. We'll also show you to wire a plug. Studying Physics will help you to improve your logical thinking and problem solving skills, you'll develop practical skills along the way too; designing experiments and testing out whether the theory holds true in real life or if the simplifications made make things too approximate.

How will the skills and knowledge be taught?

Students will be taught by an experienced Physics teacher who has an in depth knowledge of the course and beyond. The focus will be on developing a firm understanding of the key concepts and acquiring the necessary skills to tackle all types of questions.

The course is taught in a spiral manner with topics revisited over the three year course, enabling pupils to make firm links between topics and to help them better imbed them into long term memory. Lessons are spent in our science labs using our wide selection of practical equipment to demonstrate and test a vast range of physical phenomena. Additional support is provided by a thorough textbook, revision guides, a departmental YouTube channel and plenty of past paper questions.

BOARD : EDEXCEL

IGCSE course structure

Content

Forces and Motion

- ◆ Movement and position
- ◆ Forces, movement, shape and momentum
- ◆ Astronomy

Electricity

- ◆ Mains electricity
- ◆ Energy and potential differences in circuits
- ◆ Electric charge

Waves

- ◆ Properties of waves
- ◆ The electromagnetic spectrum
- ◆ Light and sound

Energy Resources and Energy Transfer

- ◆ Energy transfer
- ◆ Work and power
- ◆ Energy resources and electricity generation

Solids, Liquids and Gases

- ◆ Density and pressure
- ◆ Change of state
- ◆ Ideal gas molecules

Magnetism and Electromagnetism

- ◆ Magnetism
- ◆ Electromagnetism
- ◆ Electromagnetic induction

Radioactivity and Particles

- ◆ Radioactivity
- ◆ Particles

Assessment

Students sit two papers for the Physics IGCSE

Paper 1 consists of 120 marks and takes questions from approximately 80% of the course.

Paper 2 consists of 60 marks and can ask questions on any aspect of the course.

Both papers have a mixture of question styles:

- ◆ Multiple choice
- ◆ Short answer
- ◆ Long answer
- ◆ Calculation
- ◆ Practical questions



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - SPANISH

Head of Department: Miss Anna Vaughan

Why study IGCSE Spanish

Studying one or two modern languages at IGCSE is very fulfilling in itself but it also enables you to discover different cultures and ways of life and enhances opportunities at university and in many professions. Being able to express yourself in Spanish is both a joy and a real achievement and IGCSE Spanish enables you to do this.

A genuine interest and enthusiasm for discovering the language is important as students will express themselves in Spanish and be able to enjoy the many activities they will take part in.

How will the skills and knowledge be taught?

IGCSE Spanish is taught by one specialist teacher for each group and students have individual or small group sessions with a Spanish Language Assistant on a regular basis.

Students continue to develop their vocabulary range and grammar knowledge and precision. They enhance their speaking and writing fluency in a variety of ways through the study of interesting topics and cultural aspects. We use varied resources, textbooks, magazines and multimedia software. Through these, students learn how to cope with communicating about themselves as well as discussing topical issues such as leisure activities and preferences, environmental issues and comparing different school systems.

There is also an opportunity to take part in an exchange and cultural trip for those studying Spanish at IGCSE level.

BOARD : EDEXCEL

IGCSE course structure

Content

Five main topics are studied and form the basis of all IGCSE examinations and are a vehicle for work on all skills and on enhancing grammar and linguistic complexity :

1. Home and abroad (e.g. local area, regions, holidays, customs and tourist information)
2. Education and employment (e.g. school life, work, careers, volunteering and future plans)
3. Personal life and relationships (e.g. house and home, daily routine, helping at home, relationships, role models and childhood)
4. The world around us (e.g. environmental issues climate, travel and transport, media and technology)
5. Social activities, fitness and health (e.g. special occasions, accidents, hobbies, shopping, food and drink and money matters)

Assessment

IGCSE Spanish consists of the following components, all taken at the end of the Fifth Form and are all marked by Edexcel:

Speaking - 25% of the overall mark: an oral examination in two parts: talking about a chosen / pre-prepared photo and conversing about different topics that will have been covered and practised during the course. The examination is conducted and recorded by the teacher.

Listening - 25% of the overall mark: questions and answers in Spanish and in English in response to recorded items.

Reading - 25% of the overall mark: questions and answers in Spanish and in English on a selection of letters, articles and short passages.

Writing - 25% of the overall mark: two compositions (75 words and 150 words) in the target language in response to tasks on the topics studied. Guidance is given on the exam paper to assist students with both written tasks. There is also a short grammar based task.



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - STATISTICS

Head of Department: Mrs Arabella Crook

Why study Statistics?

You will have the opportunity to develop your knowledge and understanding of statistical thinking and practice, and an understanding of how statistics are used in the real world.

Statistics is an important part of everyday life such as the recent criticism of the opinion poles prior to 2015 elections.

You will develop the skills necessary to recognise misleading statistics and diagrams used in the press, within News Reports and in advertisements.

Broader than the Statistics modules offered at A Level, if you study statistics at GCSE you will cover more topics including index numbers, time series, quality assurance and the capture/recapture techniques.

How will the skills and knowledge be taught?

Throughout the course students will be expected to interpret their results and to comment constructively and critically on the suitability, appropriateness and limitations of the techniques used, within the Data Handling Cycle. They will consider and check their results in context, and modify their approaches if necessary. Calculations and statistical results will be interpreted in the initial context of the data where appropriate.

Statistics lessons are taught in a variety of engaging ways. For instance, students will have the opportunity to design their own questionnaire on a topic of their choice, select a random sample to survey, evaluate what makes a "good" question and analyse their results.

BOARD : EDEXCEL

IGCSE course structure	
Content	Assessment
<p>Planning a strategy</p> <ul style="list-style-type: none"> Hypothesis Planning an investigation Experiments/surveys Appreciation of constraints <p>Data Collection</p> <ul style="list-style-type: none"> Types of Data Obtaining Data Census Data Sampling Conducting a survey/experiment <p>Tabulation & Representation</p> <ul style="list-style-type: none"> Tabulation Diagrammatic Representation <p>Data Analysis</p> <ul style="list-style-type: none"> Measures of Location Measures of Spread Other Summary Statistics Time Series Quality Assurance Correlation and Regression Estimation <p>Probability</p> <p>Data Interpretation</p> <ul style="list-style-type: none"> Limitations of Analysis Inferential Statistics Deductions Conclusions 	<p>Two examination papers worth 50% of final grade. Both papers are 1.5 hours in length.</p> <p>The two examination papers will be set and marked by Edexcel. The total number of marks per paper is 80. The papers will be made up of compulsory questions with a combination of short answer, structured and long response questions . Some questions will include stimulus material, and some will require calculations.</p> <p>This is subject to the new specification being approved by Ofqual.</p>



REIGATE GRAMMAR SCHOOL

SUBJECT INFORMATION - THEOLOGY AND PHILOSOPHY

Head of Department: Mrs Kate Cooper

Why study GCSE Religious Studies

Many students enjoy Religious Studies because it gives them the opportunity to form their own views and argue them. The subject does not teach you what to think; it teaches you how to think. It examines many of the big questions that humanity has asked for millennia, as well as many of the big ethical dilemmas that we face in the 21st century.

As well as being a fascinating subject, Religious Studies teaches knowledge and skills that are valuable for a wide variety of university courses and future careers, including law, politics, medicine, science, media and business. It teaches you to think critically, analytically and logically, and to develop and defend your own arguments.

How will the skills and knowledge be taught?

Religious Studies requires pupils to be prepared to think for themselves, to have an inquisitive nature and an interest in the world around them.

The nature of the subject means that case studies and the news will play a large role in lessons, and debating, discussing and analysing evidence forms a central part of learning.

GCSE RELIGIOUS STUDIES

BOARD : AQA SPECIFICATION A

GCSE course structure	
Content	Assessment
<p>Introductions:</p> <ul style="list-style-type: none"> ◆ Philosophical skills ◆ Ethical skills <p>Paper 1: Religion: Christianity and Islam</p> <ul style="list-style-type: none"> ◆ Beliefs, ◆ Teachings ◆ Practices <p>Paper 2: Thematic studies: Religious, philosophical and ethical studies:</p> <ul style="list-style-type: none"> ◆ •Theme A: Relationships and families ◆ •Theme B: Religion and life ◆ •Theme D: Religion, peace and conflict ◆ •Theme F: Religion, human rights and social justice 	<p>There are TWO exams</p> <ul style="list-style-type: none"> •Written exam: 1 hour 45 minutes each •96 marks (plus 5 marks for spelling, punctuation and grammar (SPaG)) <p>Each question has a common structure of two five-part questions of 1, 2, 4, 5 and 12 marks.</p> <p>The paper includes short definition questions, comprehension and explanation questions and extended writing questions.</p>

GCSE Results 2016

