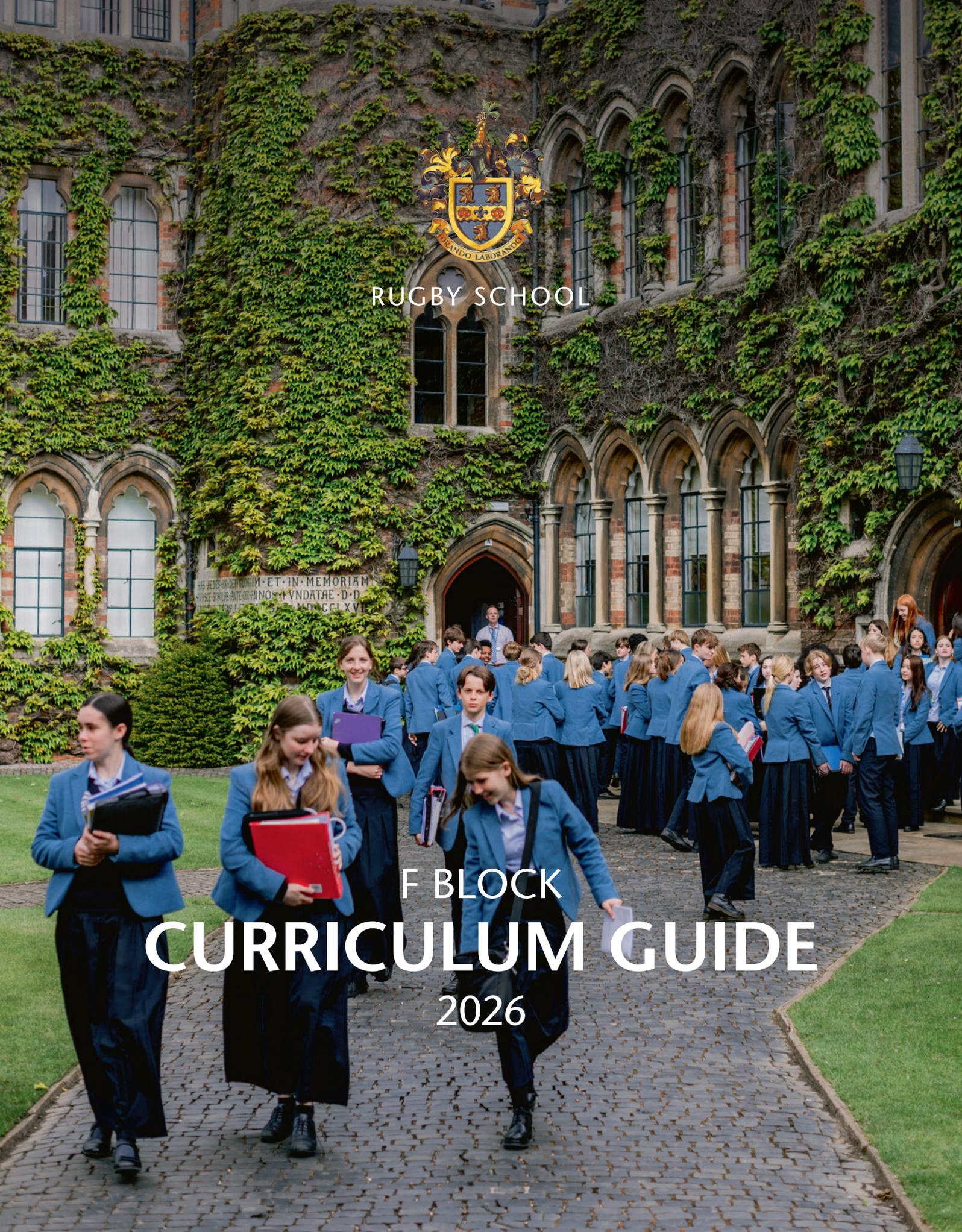




RUGBY SCHOOL

ET IN MEMORIAM
FUNDATRE D D
MD CCL XVI

F BLOCK
CURRICULUM GUIDE
2026



CONTENTS

2. INTRODUCTION

3. CHOICES FOR THE F BLOCK CURRICULUM

4. CHOICES FOR F BLOCK ENRICHMENT

5. CLASSICS

6. LATIN

7. CLASSICAL GREEK

8. CREATIVE ARTS

9. ART

10. DESIGN & TECHNOLOGY

11. DRAMA (Performing Arts)

12. MUSIC

13. ENGLISH

15. HUMANITIES

16. GEOGRAPHY

17. HISTORY

18. PHILOSOPHY & THEOLOGY

19. MATHEMATICS

20. COMPUTER SCIENCE

21. MATHEMATICS

22. MODERN FOREIGN LANGUAGES

23. MODERN FOREIGN LANGUAGES

24. NATIVE SPEAKERS

25. SCIENCE

26. BIOLOGY

27. CHEMISTRY

28. PHYSICS

29. BEYOND ACADEMIC DISCIPLINES

30. CHAPLAINCY

31. LEARNING DEVELOPMENT

32. FLOREAT

INTRODUCTION

We believe that the F Block year is a crucial one for establishing the intellectual habits necessary for success at Rugby School and in the world beyond. Our focus is, therefore, threefold. We aim to engage our students in a broad and rigorous academic experience: offering intellectually challenging and demanding material in all of their subjects. We also aim to allow students the freedom and opportunity to find and develop their academic passions. Finally we begin the process of developing the dispositions necessary for our students to become empowered and autonomous: to make reflection a habit; to be thoughtful enquirers; to find resilience and versatility in the face of challenge and failure; to think globally and act locally and to be confident communicators and collaborators when stepping out into the intellectual unknown. We believe that taking intellectual risks and making mistakes are essential parts of learning; that always getting it right suggests that an individual is operating within their comfort zone and not making the most of opportunities to learn. We call this set of dispositions our Rugby Learner Profile, and much of what we do with our curriculum in the F Block is with the aim of embedding it into the way our students approach their education.

In addition to their timetabled lessons, our students will be engaged in an extensive programme of cross-disciplinary enrichment taking them beyond the boundaries of the classroom environment. They will spend time with our staff in the evenings and participate in off-site learning activities. They will keep a learning journal, making weekly entries and discussing them with their tutors during their individual tutorial meetings. They will be challenged to develop both an individual and a collaborative project for presentation at the end of the academic year, and will participate in discussions about the process and progress of their journals and projects with members of staff, senior students and their peers. Through this process, students will be faced with work for which they will have no obvious or immediate solution, and will be required to cooperate with their peers and invest in each other's success. Along the way they will encounter failure and, in doing so, with guidance and encouragement, begin to develop the qualities necessary to respond purposefully to setbacks and challenges in the future.

At the end of the year all members of the F Block complete our Rugby Learner Profile Diploma. This allows them to demonstrate the skills that they have developed over the course of the year. The focus is on the dispositions expressed in our Rugby Learner Profile, which are an essential aspect of our education, alongside academic learning. Through the Diploma, the students are provided with feedback and an opportunity for learning in advance of embarking on the next stage of their time at Rugby School. The Diploma requires F Block to complete a CV, to take on our psychometric challenge, record themselves giving answers to camera, complete a group assessment, carry out a live presentation and complete a 1-1 interview. The Diploma is based on the experience of graduates applying for employment and is a collaboration with the Graduate Recruitment Bureau. It is the start of our Career Accelerator Programme, which repeats at the end of D Block ready for the Sixth Form and the end of the LXX prior to university applications.

CHOICES FOR THE F BLOCK CURRICULUM

Over the course of the F Block year, students study English, Mathematics, Science (Biology, Chemistry, and Physics), History, Geography, Philosophy and Theology, Art, Design & Technology, Drama and Floreat. They must also choose one Modern Foreign Language: French, German, Italian or Spanish. In addition, all students have a weekly tutor period.

Students must choose any two further subjects from the following list. All of the subjects listed are able to cater for beginners and students with prior experience unless otherwise stated.

- French
- German
- Italian
- Spanish
- Latin
- Classical Greek*
- Music**
- Computer Science
- Learning Development***
- Extra Mathematics (invitation only)****

*Classical Greek is offered as a standard option choice or by invitation as an additional extension subject for those with a demonstrable aptitude for languages.

**Music Scholars must take Music as one of their options. Music Scholars may also choose Music Scholars Pathway as their second option for the benefit of supervised, timetabled practice time, or for the scheduling of instrumental lessons; this is strongly encouraged for Scholars' learning three or more instruments.

***Learning Development is an option available for those students with English as an Additional Language (EAL) or with Special Educational Needs (SEN).

****Extra Mathematics is only available to those students who would benefit from the consolidation of basic mathematical skills. Students will be advised by the Head of Mathematics to take this option where appropriate.

CHOICES FOR F BLOCK ENRICHMENT

Over the course of the F Block, all students will be asked to engage with three areas of academic enrichment. The purpose of these sessions is to provide opportunities to extend and develop intellectual passions and curiosity, to break down the barriers that classroom teaching creates between subject disciplines, and to further encourage the dispositions we aim to establish in our students. These experiences will feed into the decisions that students make about their project work in the second half of the academic year.

- **Patterns of Health and Disease (Geography and Biology):** understanding how disease differs around the world, how it is spread and how it affects people's lives. Sessions will include understanding the different types of disease, how they are spread and how countries respond to disease crises such as Ebola and Malaria. It will involve the interpretation of real-time data and live bacteria. Students will also take a trip to London to understand the history and pattern of disease around the city.
- **Mission to Mars (Physics and Chemistry):** team challenges include building and launching rockets, Martian egg drops, Martian remote control rovers and analysing rock samples. Work on the five challenges will culminate with more activities run by the National Space Academy at the Space Centre in Leicester.
- **Encryption, Surveillance and the Development of Espionage (Computer Science, History and Mathematics):** this will involve solving problems, cracking codes, navigating a simulation of the July Crisis (1914), and experiencing an escape room.
- **Words into Art (Art and English):** students will write a narrative short story and explore how stories can be expressed visually, with a focus on graphic novels, comic books or even animation. Students will work on their own visual depiction of their story.
- **Design & Culture (Design and Languages):** an investigation into a range of global cultures through a designer's eye. Students will be challenged to design and make creative responses inspired by designers from around the world.
- **The Greek Chorus (Classics and Drama):** students examine the nature and role of the ancient Greek chorus, exploring this fascinating element of Greek drama through a series of workshops organised jointly by the Classics and Performing Arts Departments.
- **Music and Culture (Music and Languages):** Students learn about Portuguese and Brazilian language, food, music and culture and participate in a Samba band. They do not need any previous music experience to take part in these workshops.

CLASSICS

HEAD OF CLASSICS: Barnaby Chesterton
EMAIL: FBC@rugbyschool.net

LATIN

AIMS

The study of Latin promotes linguistic aptitude, demands forensic analysis and introduces students to a culture which has shaped our own. Students will not only be learning Latin but will also improve their ability to learn and understand other languages, including English. The process of learning vocabulary lists and grammar tables and applying this knowledge to unseen material develops a range of essential skills. The stories and topics challenge students to question their own culture and beliefs and stimulates intellectual and moral discussion.

NATURE OF THE COURSE

In the F Block, we cater for students who have done a significant amount of Latin, as well as those who have not studied it before. Students are set according to prior experience. Taylor's *Latin to GCSE 1* is covered in full, but is supplemented with various other resources, particularly for more experienced sets. This includes using original Latin texts as a lens to explore Roman world topics which still resonate in contemporary society, and linking to wider F Block work on examining conflict and collaboration. The textbook follows the story of the Trojan War, the Roman hero Aeneas, the early kings of Rome and the birth of the Roman republic. The course has a natural progression to the highly regarded OCR GCSE in Latin.

ENRICHMENT OPPORTUNITIES

Every year the department organises a trip to some of the great sites of antiquity. Previous visits have taken students to Rome, Pompeii, Greece and Croatia.

The Junior Arnold Society invites external speakers to address younger students as well as providing opportunities to learn more about Greeks and Romans through strategy games, Latin and Greek Scrabble, and making mosaics, swords and shields.

Each year the department takes students to a Latin Reading competition. We also enter students for national essay competitions and the Linguistics Olympiad.

CLASSICAL GREEK

AIMS

Students with true linguistic aptitude and an interest in the foundations of Western culture will thrive in the study of Greek. Many students who continue to enjoy Greek throughout the School have not studied it before coming to Rugby; those with experience and complete beginners are equally welcome. Students will improve their ability to learn and understand other languages and develop essential skills through the process of learning vocabulary lists and grammar tables and applying this knowledge to unseen material. The study of historical and cultural material will introduce students to some of the greatest characters, events and ideas in history.

NATURE OF THE COURSE

Greek is offered in two forms. It can be selected as per the normal subject choice process detailed earlier in this Guide. Meanwhile, those with high academic aspirations and demonstrable linguistic ability are invited to take Greek in place of regular Design & Technology or Art lessons. In both forms, the course follows Taylor's *Greek to GCSE 1*, supplemented with other resources for those students with prior experience. Beginners start with the Greek alphabet and quickly move on to basic verb and noun forms. Different chapters in the book concentrate on stories with one source or subject (eg Homer's *Odyssey* and Alexander the Great), offering an introduction to Greek culture along with language study. Starting in translation but relying more on Greek as the year goes on, we introduce different genres of Greek writing: epic poetry, history, drama, philosophy and epigram, and consider how they have had an impact on the direction of Western literature. The course has a natural progression to OCR GCSE Classical Greek, a challenging and highly regarded course.

ENRICHMENT OPPORTUNITIES

Every year the department organises a trip to some of the great sites of antiquity. Previous visits have taken students to Rome, Pompeii, Greece and Croatia.

The Junior Arnold Society invites external speakers to address younger students as well as providing opportunities to learn more about Greeks and Romans through strategy games, Latin and Greek Scrabble, and making mosaics, swords and shields. We also enter students for national essay competitions and the Linguistics Olympiad.

CREATIVE ARTS

HEAD OF ART: Helen Lambie-Jones
EMAIL: HLJ@rugbyschool.net

HEAD OF DESIGN & TECHNOLOGY: Jennifer White
EMAIL: JWH@rugbyschool.net

HEAD OF ACADEMIC DRAMA: Sammy Farmer
EMAIL: SJF@rugbyschool.net

HEAD OF CO-CURRICULAR DANCE: Florrie Harris
EMAIL: FSH@rugbyschool.net

HEAD OF ACADEMIC MUSIC: James Williams
EMAIL: JAW@rugbyschool.net

ART

AIMS

The F Block Art course aims to introduce students to a wide range of Art processes, and to develop confidence in use and application of Art media. Drawing is central to all aspects of visual art, and the course aims to teach students multiple approaches to recording the world around them. Students learn different strands of observational recording and start to build their own visual art vocabulary using a broad range of media and techniques, such as printmaking, textiles, embroidery, collage, painting and digital image manipulation.

NATURE OF THE COURSE

F Block students experience art-making using a wide range of methods and materials including Painting, Drawing, Mixed Media work, Printmaking and Computer Graphics. They also establish an understanding of Art and artists and are involved in a number of projects with several specialist teachers. The expectation is that students produce a comprehensive portfolio over the year that expands their understanding of this subject and also helps them to make informed decisions regarding GCSE choices.

This course introduces students to a range of techniques and processes which allows them to practise and extend their skills. Drawing is an important core skill which students will be given ample opportunity to develop. Through a series of projects, students are taught how to make connections between their work and that of other artists and designers. Over the year a portfolio of work is built as preparation for progression to the GCSE course.

ENRICHMENT OPPORTUNITIES

There are open access sessions throughout the week when students can pursue personal work or gain assistance with classwork.

DESIGN & TECHNOLOGY

AIMS

Students' creative thinking is developed through a series of practical and challenging tasks which increase self-confidence and resilience, the aim being to widen students' awareness of the importance of design and the use of technology to improve and enhance society. Students are encouraged to build enthusiasm for the act of creating, and foster a willingness to face problem-solving activities. Focus is provided on activities that lead to a wide range of careers in the design field and that provide a firm foundation for subsequent work at GCSE and beyond.

NATURE OF THE COURSE

The course will introduce students to a variety of designing and workshop processes that will enable them to produce artefacts from a range of materials. Students will be introduced to elements of the design process, refining their own ideas to produce viable solutions to the set briefs. Classwork is generally distinct from preps, which are used to explore other less practical aspects of design. The majority of the work will be practical and will include CAD/CAM as well as more traditional manufacturing processes. Students will be taught correct health and safety procedures involved in using a range of hand and power tools. The projects are reviewed and developed yearly, with the view of keeping opportunities challenging, relevant and engaging.

ENRICHMENT OPPORTUNITIES

F Block students have many opportunities to access the workshop and its facilities through the enrichment programme. Students can attend a variety of regular extra offerings including Design and Culture and access to the workshops during evenings when they can work on personal projects as well as any prep.

DRAMA (Performing Arts)

AIMS

Students are encouraged to play, to create and to explore making theatre as part of an ensemble. Drama exercises, as well as dance and movement sessions, fuel their imagination as well as improve confidence and social awareness. Students develop characterisation, improvisation and text skills as well as a sense of stagecraft. They work creatively in groups to explore different themes and devise original work, which they share in class. We endeavour to improve students' abilities in public speaking, communication and collaboration. The course provides an insight into how creative and imaginative ideas are realised theatrically for Drama GCSE.

NATURE OF THE COURSE

As well as pursuing group dynamic work, students explore their ability to employ their physicality and voice to communicate meaning on a stage, both in devised work and with published texts. They are introduced to a variety of forms and practitioners of theatre and dance, from Commedia dell'arte to Laban. They explore these practically through different styles, such as Physical Theatre and Process Drama, situating theatre makers in wider social and cultural movements. They explore how Drama is not just a medium for the stage but can also influence social change. In addition, they also study the basics of mime and character development, which provides a firm foundation for approaches to performance at GCSE.

ENRICHMENT OPPORTUNITIES

All students are encouraged to audition for School co-curricular productions that take place throughout the year, whether they want to perform onstage or work backstage. Students also have the opportunity to become members of Performing Arts societies, such as Macready Dance and Technical Society. In addition, many opt to undertake weekly LAMDA / Dance lessons on their own, in pairs, or in small groups.

MUSIC

AIMS

Students play a wide range of instruments and each year group comes to Rugby with a breadth of different musical experiences. Building on this, students are challenged to further their knowledge and skills through a range of projects that develop understanding of music theory, music technology, and their openness to a range of new and different styles of music. All styles of music are seen as equal and the course will help students consolidate and extend their theory knowledge, put the music they perform into context, and introduce them to skills in aural discrimination and musical analysis.

NATURE OF THE COURSE

Students work on a broad range of practical music projects, developing their musical knowledge and skills through:

- Film music composition – using Music Technology to compose dramatic music for a video clip including experimentation with Foley sounds and electronic composition techniques
- Exploring music notation systems - including Western notation, Chinese notation, medieval chant and composition techniques using software (Sibelius, Logic)
- A research project - producing a video presentation about the history and context of one of the pieces they are learning in instrumental or vocal lessons, whilst also transforming the chosen piece in creative ways, eg a remix
- Jazz and Blues - developing confidence in improvisation, musicianship and an understanding of historical context
- 20th-century innovations - exploring the complex and sometimes wacky developments in Music

ENRICHMENT OPPORTUNITIES

F Block musicians can enhance their learning by performing in many of the School's musical ensembles, musical shows and competitions. F Block students are also welcome at the aural clinics and theory clinics if they wish to develop their skills in any of these specific areas. Rooms are available through the day and evening for students to practise on their instruments.

ENGLISH

HEAD OF ENGLISH: Tom Eyre-Maunsell
EMAIL: TEM@rugbyschool.net

ENGLISH

AIMS

Students are encouraged to develop confident, fluent and perceptive speaking and listening skills in a range of different contexts. A wide variety of texts are read and analysed and an appreciation of literature in English, both past and present, is cultivated, giving students experience and understanding of novels, poetry and plays. Students will be expected to achieve fluency, accuracy and felicity in writing in a variety of forms and genres.

NATURE OF THE COURSE

Each holiday (including the summer before entry) at least one novel is read, and reading is developed throughout term, with a fortnightly library lesson. Teaching revolves around texts chosen by individual teachers to challenge students and develop skills in comprehension, stylistic analysis, and sustained critical appreciation.

By the end of the year, students should have written at least one essay of the following type: analysis of a poem; analysis of a character / aspect of a novel (with use of topic sentences); a discursive essay; a personal essay; a creative piece (usually a story). A Shakespeare play is studied in Trinity term, culminating in a visit to see a performance at the Royal Shakespeare Company, Stratford. Opportunities are afforded to students to gain confidence in discussion and presentation in individual, group or whole-class contexts. Two preps are set every week, which might involve written work, reading or preparation of material for classwork. There are three tests across the year: unseen poetry analysis, persuasive writing, and a Shakespeare essay.

ENRICHMENT OPPORTUNITIES

A reading challenge is run in conjunction with the library, with students encouraged to try out new genres and keep a record of what they have read over the course of the year. There is a Creative Writing Club which is open to all year groups and creative writers are also encouraged to enter the prestigious Rupert Brooke Creative Writing competition, an inter-schools context for budding writers in the Rugby area. F Block students compete in a poetry recital competition and a Shakespeare to Camera competition, and students are also invited to compete in the Junior Debating competition in the Lent term.

HUMANITIES

HEAD OF GEOGRAPHY: Leanne Milner
EMAIL: LEM@rugbyschool.net

HEAD OF HISTORY: Tim Guard
EMAIL: TDG@rugbyschool.net

HEAD OF PHILOSOPHY & THEOLOGY: Amanda Parker-Jones
EMAIL: ALPJ@rugbyschool.net

GEOGRAPHY

AIMS

“The study of Geography is about more than just memorising places on a map. It’s about understanding the complexity of our world, appreciating the diversity of cultures that exists across continents. And in the end, it’s about using all that knowledge to help bridge divides and bring people together.” (Former US President Barack Obama, 2012).

Geography is a subject that offers myriad skills and allows students to embrace elements of the sciences and art subjects. Its holistic nature means it prepares students for the working world and these flexible aims are what the Department focuses upon. Geography is also, almost uniquely, dynamic in its nature. The F Block curriculum is constantly changing in order to help students embrace and understand the issues that face the world in which they will grow up. The course is aimed at student enjoyment and, through that, encouragement of the skills, discipline and interest that exemplify a Rugby School student.

NATURE OF THE COURSE

In the F Block students embark on a challenging series of short courses taking them away from traditional Geography and showing them the full extent of the subject. Built around a series of books, the scheme of work aims to engender academic rigour and curiosity. In the Advent term the concepts of climate and climate change are studied, and students will consider whether we are entering a new epoch shaped by the human race, the Anthropocene. The term is completed with Tim Marshall and his book *Divided*, his follow-up to the hugely successful *Prisoners of Geography*. In his second book Marshall moves away from the physical barriers that divide us and concentrates on the ones we put up ourselves. After nearly 50 years of wall destruction, we have started to see a reversing trend. Where does this rise of nationalism come from and is it set to continue?

In the Lent term the physical geography of the oceans is examined. Inspired by *Our Blue Planet*, we look at this element of the water cycle and its importance not only in physical geography but also its role in globalisation. Our second book of the Lent term is *Factfulness* by Hans Rosling; this is not only important for geographers but, in a world increasingly full of fake news and disinformation, Hans guides students through twelve rules that enable us to be more critical of the world, to challenge statistics and let our heads rule our hearts over emotive subjects such as migration, climate change, conservation and population growth. The world is better than it seems and, most importantly, getting better every day.

We finish the year by studying the concept of place through *Beyond the Map* by Alastair Bonnett, how it changes and who has power to affect those changes; looking at the intersection of the human and physical components that come together uniquely at a time and space. Students also carry out their own mini-investigation, developing fieldwork and analytical skills.

ENRICHMENT OPPORTUNITIES

In conjunction with the Biology Department, there is an enrichment programme on Health and Disease which culminates in a walking tour of London to find out about the capital’s medical past.

HISTORY

AIMS

Students are encouraged to engage in their study of History through their own research and fresh ways of looking at sources. The range of topics covered is intended to foster this development. Tailored around the themes of Migration, War, Empire and Social and Political Revolution, c.1890-1990, the course allows students to encounter some of the most important concepts in modern European and global history including: nationalism, emancipation, state control, colonialism, individual liberty, mechanised war, political reform, de-colonialism and the search for international order.

NATURE OF THE COURSE

Central to the Advent term is study of migration to the UK and the Windrush scandal. The focus for Lent term is the 1914-1918 war. Special emphasis is placed on studying the global origins of World War One, including the alliance system; the experiences of combatants; and efforts to break the deadlock of the Western Front. The story of the struggle for female suffrage features as another core theme. The following term we study the rise and fall of the Apartheid system in South Africa. Background and context are provided through examining the economic and political reasons for European colonisation c. 1890-1945 - the scramble for Africa and competition for a ‘place in the sun’.

ENRICHMENT OPPORTUNITIES

In conjunction with the Maths and Computer Science Departments, History runs a day trip to Bletchley Park, the home of British code-breaking and birthplace of modern information technology. This supports the learning of topics in Lent and Trinity terms.

PHILOSOPHY & THEOLOGY

AIMS

Philosophy & Theology is designed to be an academically rigorous subject that considers the big questions of life. Our aim is to help students begin to examine and challenge their own beliefs and assumptions of the world, whilst refining their critical thinking, analysis and evaluation skills.

NATURE OF THE COURSE

Students study a range of topics over the course of the year. The year begins with 'Ethical Theory and Applied Ethics'. The aim of both of these is to introduce students to the study of ethical theories and then see how these may be applied to some of the dilemmas of the modern world. We then study 'People of the World' examining human rights, issues of prejudice and discrimination, followed by a comparative study of religion where we explore in detail the differences and nuances between religious beliefs. To end the year, we consider 'Two Philosophical Challenges' studying firstly the relationship between science and religion and then asking how far the problem of evil challenges belief in the existence of God.

ENRICHMENT OPPORTUNITIES

The Department will reinstate the Junior Sidgwick Society from September, which is led by Upper School students. It meets once every half term to debate philosophical and ethical ideas.

MATHEMATICS

HEAD OF COMPUTER SCIENCE: Lisa Bell
EMAIL: LAB@rugbyschool.net

HEAD OF MATHEMATICS: Nick Jones
EMAIL: NJ1@rugbyschool.net

COMPUTER SCIENCE

AIMS

A range of practical and theoretical Computer Science concepts is introduced to students during the F Block course and the Department aims to build on and extend all levels of previous coding experience. The course is delivered with a practical approach in focusing on the design and development of programs using the Python programming language whilst also introducing students to a range of logical thinking and problem-solving skills. The F Block course serves as a foundation for those who go on to study Computer Science GCSE.

NATURE OF THE COURSE

The Computer Science course is split into two main areas: programming and knowledge of computer systems.

- Programming involves the design of algorithms employing variables, arithmetic and string operations, selection, iteration, validation and arrays using the Python programming language.
- Knowledge of computer systems covers data representation, system networks and the study of common algorithms employed in the real world.

Twice termly, F Block Computer Science students are introduced to the latest computing innovations as part of the Computer Science Investigates (CSI – Rugby) programme. In addition, students take part in the Bebras Computing Challenge which develops their computational and logical thinking skills.

ENRICHMENT OPPORTUNITIES

The Computer Science Society meets fortnightly throughout the year with the aim of fostering interest in the subject across all year groups by means of facilitating group and individual activities and talks and encouraging participation in external coding competitions such as the Perse Coding Team Challenge.

There is an opportunity to be involved in the History, Computer Science and Mathematics cross-curricular enrichment activities.

MATHEMATICS

AIMS

The curriculum is intended to build and then extend strong foundations for the IGCSE course. There is an emphasis on developing students' algebra and number-work and we also attempt to instil a willingness to question and explore mathematical ideas independently. Problem solving and the use of mathematical applications in context are encouraged, with support on offer for those students who do not find the subject as comfortable as others.

NATURE OF THE COURSE

The course material is split into five main areas: Algebra; Number; Shape and Space; Data Handling; and Graphs. Students enter the F Block from a variety of mathematical backgrounds and the Department monitors them closely throughout the year using tests in conjunction with classwork in order to band the year group. The banding consists of the following:

- accelerated band sets: moving through an accelerated syllabus;
- middle band sets: the majority of students are placed in these mixed ability groups;
- support band sets: reduced in size in order to give greater opportunity for targeted support.

ENRICHMENT OPPORTUNITIES

- Intermediate Mathematical Challenge, currently for accelerated band sets only.
- Intermediate Mentoring to prepare for Olympiad and Kangaroo competitions.
- Team Mathematics Challenge, which is a national competition run by the UKMT ((United Kingdom Mathematical Trust).
- Junior Maths Society, which provides team training and other items of mathematical interest.
- Additional Mathematics (an extra mathematics option, arranged by invitation from the Head of Mathematics for students who need further support). These extra lessons replace one of the Option subjects on the timetable.
- Mathematics Clinic support.
- History, Computing and Mathematics cross-curricular enrichment.

MODERN FOREIGN LANGUAGES

HEAD OF MFL: Beatrice Parolin
EMAIL: BP@rugbyschool.net

HEAD OF FRENCH: Charlene Piquard
EMAIL: CP1@rugbyschool.net

HEAD OF GERMAN: Chris Brown
EMAIL: CMB@rugbyschool.net

HEAD OF ITALIAN: Beatrice Parolin
EMAIL: BP@rugbyschool.net

HEAD OF SPANISH: Katie Adams
EMAIL: KAD@rugbyschool.net

MODERN FOREIGN LANGUAGES

AIMS

We aim to promote enjoyment of language learning, not just for exam success but also for confident communication in a foreign tongue. We focus on oral presentation skills as well as real-life written tasks. We value accuracy when it comes to reading and listening, and we do as much as we can to support students in achieving this aim. Teaching the cultural values of countries where these languages are spoken is also vital to us and we do so by using literature, films and authentic resources. We place emphasis on grammatical accuracy, but ensure that communication skills are not neglected; to this end, most of our teaching is done in the target language.

NATURE OF THE COURSE

It is possible to pick one, two or three modern languages in the F Block. We offer French to students who have prior experience of learning French. If students have not studied French before, we advise them to look at taking up one of our other languages from scratch; students can choose between German, Italian and Spanish. We also welcome students who have some prior experience of learning German, Italian and Spanish. Where possible, language students are set according to their language level. We encourage all students to visit a country where one of their chosen languages is spoken during the course of their studies in the Middle School. It is expected that native or near-native speakers choose from the other languages that we offer, not their specialist language.

FRENCH

More than 320 million people speak French across five continents, making it the fifth most widely spoken language in the world. Being able to communicate in French is a significant asset in today's global job market, opening doors in international business, diplomacy, tourism, and cultural industries. Beyond its practical advantages, French is also a language of culture, travel, and global exchange, offering students access to a rich world of literature, film, music, gastronomy, and history.

In the F Block, students will not only learn to speak and understand the language but will also explore a wide range of Francophone culture, from current affairs and geography to traditions, food, and the arts. This varied curriculum helps students develop a deeper appreciation of the French-speaking world while building strong linguistic foundations. Students in the F Block also have the opportunity to sit the DELF A1 or A2 diploma, an internationally recognised qualification that provides an excellent additional credential for future studies and careers.

GERMAN

German is less difficult than its reputation suggests, and is one of the most important global languages given Germany's position as the fourth biggest global economy. Beginners can expect to make rapid progress, quickly learning to describe themselves, their families, and activities they enjoy in their free time. Past, present, and future tenses are covered later in the year, along with variations in word order and cases. Students also look at modern German culture, including films, cultural events, and major cities. At the end of the F Block, students are given the opportunity to sit the *Goethe Zertifikat* A1 exam. This is an internationally recognised qualification which has lifetime validity and certifies that the holder is a basic user in German. Students in the F and E Blocks may also participate in our annual exchange visit to Vienna, which takes place during the February half-term.

ITALIAN

Italian is an enjoyable language to learn. Its beautiful sound recalls the richness of the artistic and cultural heritage which has made Italy a sought-after tourist destination over the centuries. Nowadays, fashion and luxury products as well as the gastronomic industry place Italy amongst the most important economies in the world. Beginners make a quick start to the language and can progress rapidly. Students relish reproducing the sounds of Italian language and learn to talk about

themselves and their families. The F Block course provides a solid grounding in Italian grammar and students are set up perfectly to start the IGCSE course the following year. Those with an interest in Italian can continue with the language in the Upper School. The use of the language in real-life situations is strongly emphasised through the course content along with the exploration of modern Italian culture, including festivals and events, traditions, food, major cities and regions, music and films.

SPANISH

Studying Spanish has huge benefits! With 500 million Spanish speakers worldwide, not only is it a fun language to learn, but it opens up the possibility of communication with many people and increases cultural awareness. Through Spanish, one can develop an appreciation of the culture, and learn about the history, literature, art, food and music of Spanish-speaking countries. Additionally, studying Spanish (or other Modern Languages) can improve job opportunities, as many businesses need bilingual employees. Learning Spanish and other Modern Languages increases cognitive abilities, such as problem-solving skills and improved mental flexibility. Most F Block classes are *ab initio* but with an increasing number having started in previous schools, provision is also made for these students.

ENRICHMENT OPPORTUNITIES

We offer a wide range of opportunities for students to develop their passion for languages. These include the MFL Society, language-themed bake-off evenings, film evenings, and talks by visiting speakers. Those studying French may enter for the DELF A1 or A2 examination, while German students are offered the opportunity to sit the Goethe-Institut *Zertifikat Deutsch* A1 exam.

NATIVE SPEAKERS

Whilst we are happy for students to sit an IGCSE in their native language, we would sound a note of caution. We do not offer teaching in languages other than those mentioned above and so it is the students' responsibility to prepare to a suitable standard. Furthermore, it is important to be aware that it is not the number of GCSEs that impresses universities but rather the quality of the grades obtained. They may be unimpressed with anything less than a 9 from a native speaker. Often, therefore, it is better to spend more time concentrating on the languages taught on timetable. Students should think very carefully before asking to be entered.

SCIENCE

HEAD OF SCIENCE: Sam Robinson
EMAIL: SPR@rugbyschool.net

HEAD OF BIOLOGY: Paul Gillam
EMAIL: PMG@rugbyschool.net

HEAD OF CHEMISTRY: Amy Crowe
EMAIL: ALC@rugbyschool.net

HEAD OF PHYSICS: Richard Parker
EMAIL: RP2@rugbyschool.net

BIOLOGY

AIMS

The 21st century is set to be dominated by advances in Biology. Life Sciences will play a key role in tackling the global challenges that our students will face in their adult lives. F Block Biology develops an interest in and understanding of the living world so that our students can develop into biologically literate global citizens. We aim to deliver the course content through practical work as far as is possible, teaching the key principles of the scientific method. We believe that this approach builds transferable skills that encourage students to view the world in a critical way and develops resilience and creativity in the pursuit of solutions to problems.

NATURE OF THE COURSE

The F Block course is an introductory year aimed at developing an understanding of the fundamental principles and skills required to excel in the AQA GCSE Biology course.

The AQA GCSE Biology course is organised into seven topics. Cell biology and Organisation are the two fundamental topics that underpin the whole course. Students will also learn about Infectious disease and how the body defends itself against invading microorganisms. There is a topic on how energy conversions in photosynthesis and respiration are essential to power the reactions of life. Students learn about Ecosystems and Biodiversity, and then how this variation in living things can be inherited and lead to evolutionary change. A final topic includes work on Homeostasis and response, including the brain and other aspects of neuroscience.

ENRICHMENT OPPORTUNITIES

Students are encouraged to:

- Take part in the F Block enrichment course 'Health and Disease' on Wednesday afternoons and attend evening lectures from teachers across all three science disciplines through the year.
- Enter national Biology competitions such as the Biology Challenge run by the Royal Society of Biology.

CHEMISTRY

AIMS

Chemistry is the central science and is an obligatory part of the F Block curriculum. The course fosters skills like applying knowledge, analysing information, and evaluating results. There is a particular focus on experimental skills and study techniques. As the course progresses, students develop critical, clear, and flexible thinking. The department aims to nurture open-minded enquirers who excel in applying new ideas to innovative contexts.

NATURE OF THE COURSE

At the start of the Advent term in the F Block, time is spent preparing students to undertake GCSE study. Students focus on key concepts such as states of matter, separation techniques and equation writing to prepare them thoroughly for the next stage of their Chemistry education.

The Chemistry Department offers AQA GCSE Chemistry. This syllabus is well-established nationwide and is the most popular secondary GCSE Chemistry course. The course starts in the late Advent term of the F Block, where students cover the foundations of Chemistry, before moving into the E and D Block where more complex ideas are studied.

Chemistry is divided into three parts:

1. Organic Chemistry - the study of carbon-containing molecules. This encompasses a range of substances from fuels and plastics to perfumes and flavourings. Students learn to represent key molecules for life and society and apply their knowledge to real-life problems.
2. Physical Chemistry involves the application of mathematical skills to chemical contexts. Students learn to use calculations and analyse experimental data to draw conclusions about chemical reactions.
3. Inorganic Chemistry is the holistic study of the Periodic Table. Students study the history of the Periodic Table and gain an appreciation for the Scientific Method, as well as understanding the reactions and properties of the materials and substances that make up the world around us.

ENRICHMENT OPPORTUNITIES

We always encourage students to explore Chemistry in context, improving their understanding of the world around them and guiding their future study choices. Students are always welcome to attend guest lectures, previous iterations of which have been hosted by the late Nobel Prize winner Sir Fraser Stoddart, as well as renowned author Kathryn Harkup.

We recommend the following books that are available in the School library:

Parsonage, Max: *A Simple Introduction to Chemistry*
Bryson, Bill: *A Short History of Nearly Everything*

The Chemistry Department is also involved in Science enrichment sessions on a Wednesday afternoon, delving into Space Exploration.

PHYSICS

AIMS

The course will develop students' logical and problem-solving skills and ability to apply mathematical skills in a variety of physical contexts. During the course they will gain an understanding of the key concepts of forces, energy, waves and electricity, which underpin all of Physics. Throughout the course students will be developing practical skills in manipulating apparatus and data collection alongside interpreting relationships and using mathematical formulae. Students will begin to gain an insight into the physical laws that underpin our universe on the smallest and largest scales.

NATURE OF THE COURSE

The course covers material from the IGCSE Edexcel Physics syllabus. It has been split into eight sections: Forces and Motion; Electricity; Waves; Energy; Solids; Liquids and Gases; Magnetism and Electromagnetism; Particles and Astronomy. Students will participate in a number of experiments throughout the course and at the end of each topic they will sit an exam which comprises past paper exam questions and is marked using exam board mark schemes.

ENRICHMENT OPPORTUNITIES

- Academic support at 6.00 pm every Tuesday.
- Mission to Mars enrichment: five team practical sessions building rockets, landing on Mars, Martian rovers and analysing Martian rock samples. This is run in conjunction with the National Space Academy.
- Students should ask their Physics teachers for additional reading and extension material; we have a well-stocked Physics Resources room.
- Physics-based lectures take place at several points during the year and F Block students are welcome to attend.

BEYOND ACADEMIC DISCIPLINES

CHAPLAIN: Marcus Edwards
EMAIL: MED@rugbyschool.net

HEAD OF LEARNING DEVELOPMENT: Rachel Force
EMAIL: RJF@rugbyschool.net

HEAD OF FLOREAT: Lisa Greatwood
EMAIL: LJG@rugbyschool.net

CHAPLAINCY

AIMS

Spiritual development is a key part of our communal life, with Chapel, Campus and Classroom each making their contribution. The Chaplains take a lead, but all of us, students and staff, are trying to become self-reflective, inquisitive, tolerant, empathetic and well-informed, thus building our personal strength and resilience and forming us into better citizens and better people. The main, but not sole, pillar of this process is Christian faith grounded in real life, broad and tolerant.

ENRICHMENT OPPORTUNITIES

The classroom is just one arena in Rugby's vision for spiritual development. It is complemented by the rhythm of regular worship in Chapel; by the Chaplains' ministry within the community; and by the whole moral, spiritual and ethical framework on which our School is built.

Specific enrichment opportunities include voluntary groups such as Christian Forum, Junior and Senior Bible Studies and informal meetings at the Chaplains' homes, but our aim is that the entire experience of being a member of the community of Rugby School should be an enriching one, rooted as it is in tradition yet responsive to the present, steeped in the timeless traditions and values of the Christian faith. In such a community, we learn a confidence that is not arrogance, humility that is not timidity, and the resilience which comes from honest self-reflection and a selfless attitude of service to others.

LEARNING DEVELOPMENT

AIMS

The focus of specialist tuition is on advancing literacy and learning skills, the aim being to raise the standard of written work so that it more fairly reflects innate ability and effort. A structured programme of work is followed which is adapted to meet individual student needs. Specific learning difficulties do not disappear and problems with literacy may persist into adulthood. Despite such learning differences, students can be high achievers and excel in their chosen sphere, as confident and motivated individuals. To this end, we work with teachers and parents to encourage and support students with specific learning difficulties.

NATURE OF THE COURSE

Although it is primarily intended for students with specific learning difficulties, or for students with English as an additional language, Learning Development is also available to those students whose teachers feel that they need extra academic support.

In order to make learning more effective and realistic, support is, wherever possible, based on or related to, current assignments as we work closely with the students' subject teachers. Considerable emphasis is placed on building confidence and improving self-esteem. Support will be provided in small groups and no charge is made for Learning Development lessons, which are taken as an option choice within the timetable.

Students who do not have English as their first language may benefit from Learning Development as one of their options. Classes for English as an additional language (EAL) are provided in small friendly class groups that allow for greater individual support and attention. Through discussion of a wide range of topics students quickly improve their pronunciation and range of vocabulary, and get used to asking questions and giving their opinions. We use video and audio recording to help improve comprehension and the ability to take notes.

FLOREAT

AIMS

Floreat education equips young people with knowledge, understanding, attitudes and practical skills to live healthy, safe, productive, fulfilled, capable and responsible lives. Floreat education encourages them to be enterprising and supports them in making effective transitions, positive learning and career choices and in managing their finances effectively. It also enables young people to reflect on and clarify their own values and attitudes, and explore the complex and sometimes conflicting range of values and attitudes they may encounter. It has also been proven that there is a very close link between personal development and academic achievement. Our Floreat programme effectively complements the School's pastoral provision and academic curriculum, and contributes to the fulfilment of the School's ethos of providing students with a genuinely holistic education.

NATURE OF THE COURSE

The F Block have a weekly tutorial with their House Tutor and other in-House specialists in which various Floreat topics will be discussed as well as academic progress and general wellbeing. The Floreat programme also incorporates the Protective Behaviours approach, which is a practical and down to earth approach to personal safety. It encourages self-empowerment. It is achieved by helping people recognise and trust their intuitive feelings and to develop strategies for self-protection. It encourages an adventurous approach to life, which satisfies the need for fun and excitement without violence or fear. The F Block will also have one timetabled Floreat lesson every fortnight in which individual areas can be discussed in more detail. A wide range of subjects is covered over the course of the year, including self-esteem, healthy and unhealthy relationships, personal safety and healthy lifestyles. This teaching is complemented by a number of outside speakers.

NOTES



RUGBY SCHOOL

Rugby School, Rugby, Warwickshire, CV22 5EH

TELEPHONE: +44 (0)1788 556 216

EMAIL: enquiries@rugbyschool.co.uk

www.rugbyschool.co.uk

X @Rugbyschool1567 f RugbySchool1567 @ rugbyschool1567