# Upper School

## Years 10-11: iGCSE Courses

In the Upper School, students transition to the iGCSE curriculum, designed to prepare them for their iGCSE examinations in Years 10 and 11.

**Mathematics:**
Mathematics at the iGCSE level emphasises advanced concepts and problem-solving techniques. Students cover topics such as algebra, geometry, statistics, and calculus, which deepen their understanding of mathematical principles. The curriculum encourages logical reasoning and critical thinking, providing students with tools to tackle real-world mathematical problems. Regular assessments ensure students are prepared for their exams and can apply their knowledge effectively.

**English:**
The iGCSE English curriculum focuses on developing strong language skills through literature, writing, and comprehension. Students analyse various texts, including novels, poetry, and plays, fostering critical thinking and interpretation skills. The curriculum also emphasises effective communication through presentations and discussions. Regular assignments and exams prepare students for higher-level English studies and enhance their overall literacy.

**Biology:**
Biology at the iGCSE level introduces students to complex biological concepts, including genetics, ecology, and human biology. The curriculum includes hands-on experiments and practical investigations, allowing students to apply theoretical knowledge. Emphasis is placed on understanding the interconnectedness of living organisms and their environments. Assessments include practical evaluations, ensuring students can effectively conduct experiments and analyse data.

**Chemistry:**
The iGCSE Chemistry curriculum covers fundamental concepts such as atomic structure, chemical reactions, and the periodic table. Students engage in practical experiments that reinforce theoretical learning, developing skills in laboratory techniques and safety. The curriculum emphasises the application of chemistry in everyday life, fostering an appreciation for the subject. Regular assessments prepare students for examinations and enhance their problem-solving abilities.

**Physics:**
Physics at the iGCSE level explores key concepts, including forces, energy, waves, and electricity. Students engage in hands-on experiments and simulations to understand physical principles. The curriculum encourages analytical thinking and the application of mathematical concepts in real-world scenarios. Regular assessments ensure students grasp complex topics and are well-prepared for their examinations.

**French:**
The iGCSE French curriculum builds on previous language skills, focusing on advanced vocabulary and grammar. Students engage in speaking, listening, reading, and writing activities, enhancing their fluency and comprehension. Cultural aspects of French-speaking countries are integrated into lessons, promoting global awareness. Regular assessments and projects encourage students to use French in practical contexts, preparing them for future language studies.

**ICT and Computer Science:**
Students in iGCSE ICT learn about digital communication, programming, and data management. The curriculum emphasises practical skills relevant to modern technology, preparing students for future careers. In Computer Science, students explore programming languages, algorithms, and problem-solving techniques. Both subjects encourage logical thinking and creativity, equipping students with essential skills for the digital age.

**Enterprise and Business:**
These subjects introduce students to fundamental concepts of entrepreneurship and business management. Students learn about market analysis, finance, and business planning. The curriculum fosters critical thinking and innovation, encouraging students to develop their own business ideas. Group projects and presentations enhance collaborative skills, preparing students for real-world business scenarios.

**Travel and Tourism:**
The Travel and Tourism curriculum explores the global tourism industry, including its economic and cultural impacts. Students learn about travel planning, customer service, and sustainable tourism practices. Case studies and projects enhance practical understanding, preparing students for careers in this dynamic field. Emphasis is placed on developing skills in research, analysis, and communication.

**History:**
In History, students delve into significant historical events and their impact on contemporary society. The curriculum encourages critical analysis of sources and historical interpretations. Students explore themes such as conflict, power, and social change, fostering an understanding of historical context. Regular assessments and projects enhance research skills and prepare students for higher-level history studies.

**Geography:**
The iGCSE Geography curriculum focuses on physical and human geography, encouraging students to analyse global issues. Topics include climate change, urbanisation, and resource management. Fieldwork activities provide practical experience in geographic inquiry. Emphasis is placed on critical thinking and understanding the interconnections between human activities and the environment.

**Global Citizenship:**
This subject encourages students to engage with global issues, fostering a sense of responsibility and empowerment. The curriculum explores topics such as human rights, social justice, and environmental sustainability. Students participate in discussions and projects that promote awareness and active participation in their communities. This subject prepares students to be informed and engaged global citizens.

**Environmental Management:**
Environmental Management focuses on sustainability and conservation practices. Students learn about the impact of human activities on ecosystems and strategies for positive change. The curriculum emphasises real-world applications, encouraging students to develop projects that address local environmental issues. Assessments include research and presentations, enhancing students' understanding of environmental challenges and solutions