Advanced University Preparation Programme

University-level subjects in Oxford University and prestigious Oxford school location • *Ages 16–18*

Subjects Available:

- Mathematics
- Pre-Law
- Psychology
- Pre- Medicine
- History of Innovation & Original Thought
- Global Finance & Economics
- International Relations & Global Governance
- Computer Science & Information Technology
- Physics
- PPE (Philosophy, Politics & Economics)
- Business Management Studies

Mathematics

Our Mathematics course introduces university-level mathematics in a variety of theoretical and applied modelling. The course covers essential foundations of the advanced study of mathematics, physics and analysis of data via topics such as algebra and calculus, as well as probability and statistics. Students will explore real-life phenomena through logical reason and learn how to analyse problems, propose hypotheses, and test solutions. Students will gain key transferable skills which will support further studies in engineering, physics, computer science, and more.

Pre-Law

Delivered at first year Undergraduate level, our Law course introduces law from a theory-based perspective, including jurisprudence, legal institutions, and the limits of legal recourse. Students will explore domestic and international law, including reflecting on recent international events from different legal perspectives. This course will build foundational knowledge in criminal law, international law, humanitarian law, and other areas whilst building key skills such as negotiating and litigating. Students will have opportunities to apply their legal knowledge in practical and moot trial exercises with a global perspective, understanding how law is interpreted differently from historical and cultural contexts.

Psychology

During this two-week intensive course, students will explore a variety of academic disciplines related to psychology whilst building foundational knowledge of psychology and contemporary psychological research. Students will develop knowledge and understanding of the history of psychology and psychological research and learn how they can apply their knowledge in a range of contexts. Students will also be able to interpret and provide their personal evaluation to psychological theories, including treatments, therapies, ethics, and more. This course is designed for students interested in understanding of the mind, trauma, childhood development, social behaviour, and social influence, among other topics.

Pre-Med

Our course combines pre-clinical and clinical learning to provide students with a broad range of experiences and knowledge in this diverse field of study. The course aims to provide a more in-depth understanding of the underlying scientific knowledge that forms the basis of medical sciences, in addition to introducing concepts of patient care, clinical research, and biomedical sciences. Students will apply their knowledge in unique research and project work opportunities that reflect the challenging and evidence-based nature of medicine in a global context.

History of Innovation & Original Thought

In this introductory course on the History of Innovation and Original Thought, students will delve into the fascinating world of art and architecture to explore the profound impact of creative thinking on human civilization. Throughout the course, students will examine the evolution of artistic representation and architectural solutions, unravel the stories behind the origins of iconic masterpieces, and analyse the cultural, social, technological and other influences that drove innovation in these fields. From ancient civilizations to the modern world, students will gain an understanding of how artistic and architectural expression has shaped and reflected the societies in which they emerged. Additionally, the course will touch upon the impact of artificial intelligence (AI) on creativity, exploring how AI technologies are being used to enhance artistic processes and push the boundaries of innovation in contemporary art and architecture. Students will begin to develop a critical eye for aesthetics, expand their artistic vocabulary, and gain insights into the exciting intersection between AI and creativity.
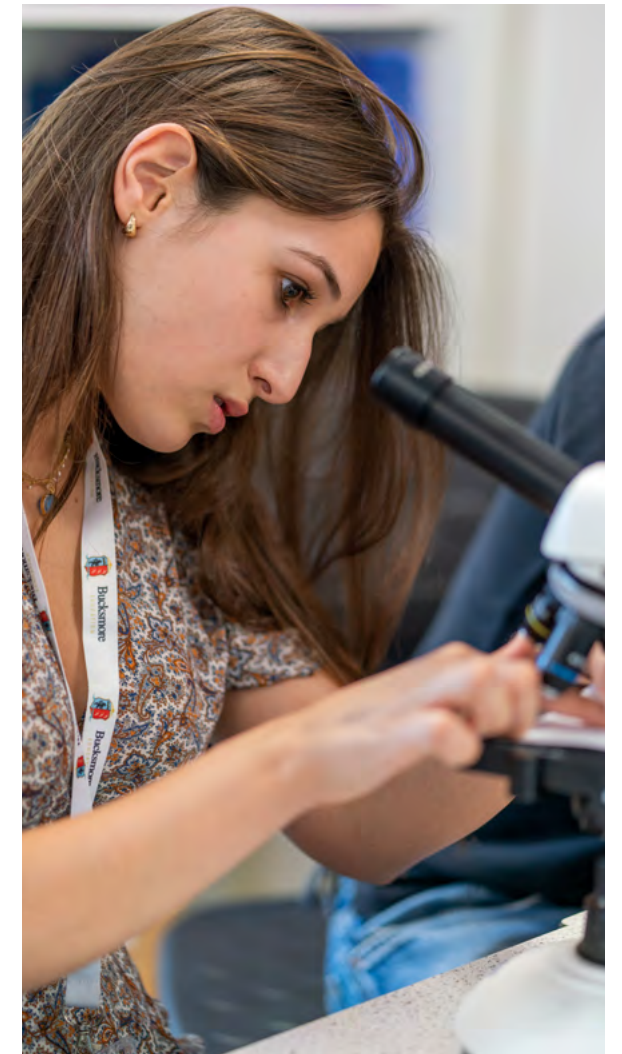
Discover our University Preparation Programme

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Global Finance & Economics

Delivered at first year undergraduate level, our Global Finance & Economics course introduces essential frameworks of economics in a global context. The course introduces economics through the application of economic theory in the modern world, emphasising recent trends and developments and putting them in a historical perspective. Lessons will include theoretical analysis and study into core aspects of micro and macroeconomics in addition to theoretical study of economic theory, including studying works from Smith, Marx, Keynes, Friedman, and others. This course takes a global perspective on economics, including analysing international economic policy and case studies of specific countries and their use of Universal Basic Incomes, austerity policies, and tax policies.

International Relations & Global Governance

Delivered at the first-year undergraduate level, our International Relations & Global Governance course introduces contemporary issues in politics, international relations, and political theory. Students will explore the historical development and contemporary manifestations of politics on a global scale, including analysing international relations and diplomacy through the lenses of cultural exchange and economic trade. We will explore the idea of 'globalization' and its role as a political tool of expansion and suppression. Lastly, this course will develop strong analytical and critical thinking skills in multiple case studies through questioning the power of the people, human rights, and sovereignty.

Computer Science & Information Technology

Our Computer Science & Information Technology course introduces key concepts in the field of computer science and data science. This course provides students with an opportunity to explore beyond the basics of programming and coding to develop strong theoretical knowledge in computer science. In addition to programming, students will explore the use of computers and their interactions with humans, including artificial intelligence and data organisation. Lessons will encourage students to develop both a procedural and object-orientated approach to problem solving. Students will develop strong analytical skills whilst exploring the foundations of computer science and its practical applications.

Physics

Our Physics course allows students to dive deeper into the relationship between the physical laws of the universe and how they apply across different scales of space and time. Lessons will introduce various fields of physics and explore theoretical and practical theories. Students will learn about real-life physics research and existing limits of human knowledge through interactive classes that encourage creativity and innovation. Through lessons, essays, and group projects, students will develop strong problem-solving skills and critical reasoning and deductive reasoning skills, in addition to building communication and teamworking skills. This challenging yet rewarding course is ideal for students with a strong background in mathematics and physics, as well as those who are interested in exploring this field.

Philosophy, Politics and Economics (PPE)

This interdisciplinary course provides key foundational knowledge to help understand our past, present, and future from a variety of perspectives. Students will develop foundational knowledge in moral, philosophical, political, and economic theory, including drawing on key texts from influential thinkers in ancient and contemporary history. The course challenges students' moral philosophy whilst building strong analytical and critical thinking skills, making it an excellent choice for students who are engaged in contemporary world affairs whilst wishing to develop strong foundations in philosophy and economic theory.

Business Management Studies

Our course offers a unique approach to Business Management studies by incorporating a global perspective into lessons and case studies. This course draws upon historical examples of business to build a stronger understanding of 21st century business practice, including trade, commerce, currencies, and emerging markets. Lessons will also encourage the development of soft skills and provide hands-on exercises to build leadership, management, teamwork, empathy, and innovation. Students will also explore strategies for growth in the face of unique challenges, all while building foundational academic knowledge and hands-on experience through case-studies and practical learning.