

Our Engager Subjects

Applied Mathematics

Applied Mathematics offers a dynamic exploration of Mathematical concepts with real-world relevance – you will learn how to use Maths in every day life. It is great preparation for both IB and A-Level Mathematics as well as equipping you with valuable Mathematical skills useful for other subjects, including Economics, Computer Science and Physics.

Applied Mathematics is made fun and relevant with practical challenges which encourage you to develop your Mathematical dexterity, improve your communication skills, and focus on exam techniques that will help you elevate your grades.

Discover the world of Applied Mathematics, where learning is more than theory and finds practical expression in the realms of Science, Technology and everyday life. You never knew Maths could be fun!

Art

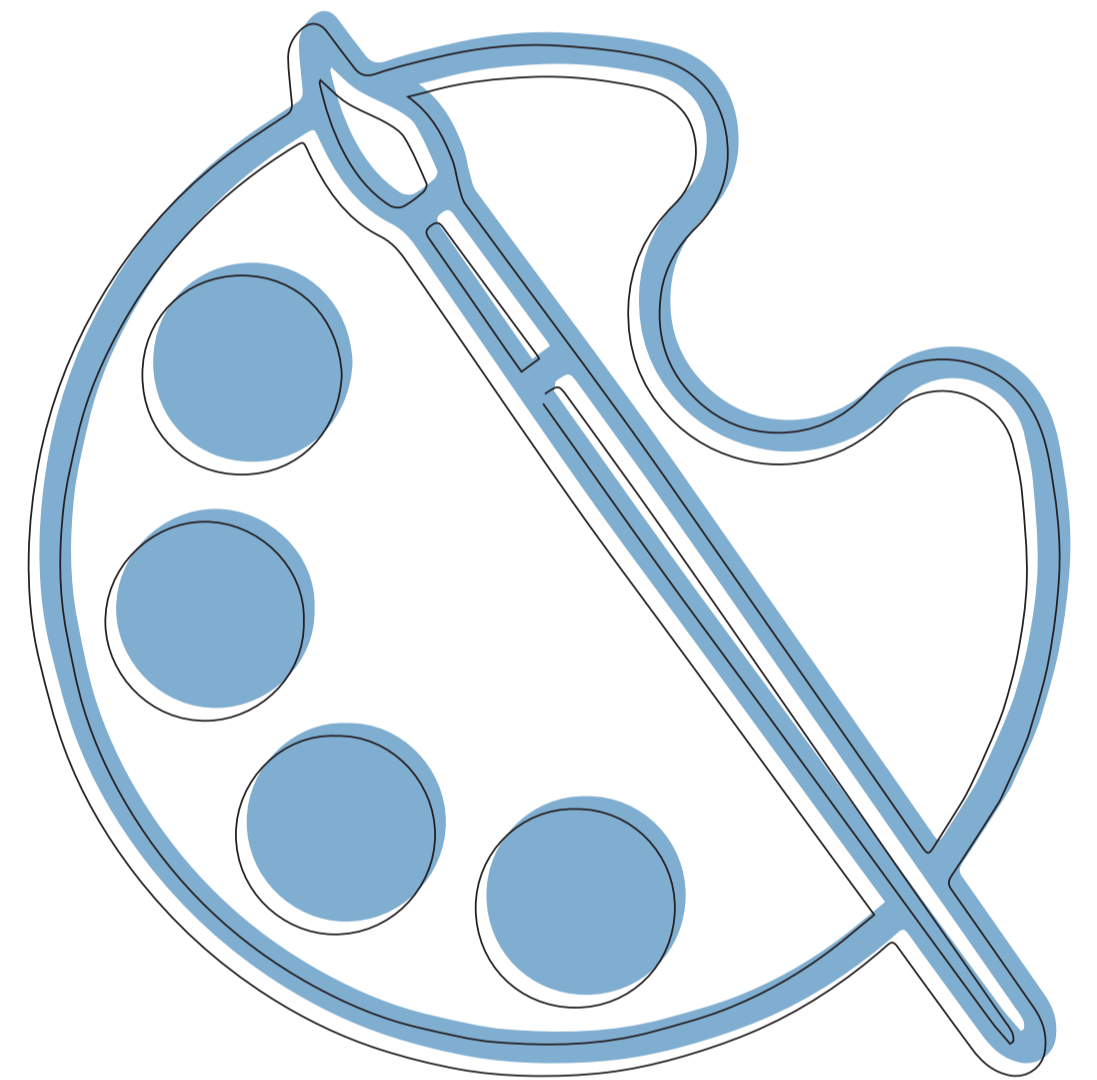
Our Partner, David Game College has well-equipped Art Studios that will inspire your creativity. You will explore different mediums in Art through practical and theoretical work, and enhance your understanding of the formal elements of Art and Art History. This includes honing your pencil work, mastering various painting techniques and engaging in sculpture work.

You will also develop your skills of critical evaluation, both your own work and that of well-known artists. You will explore a variety of cultures, understand your attitude to Art, broaden your appreciation of Art, and of course have the opportunity to visit art galleries.

Join us in a vibrant artistic journey where creativity knows no bounds, and artistic expression thrives through exploration, learning and inspiration.

Some of the topics we cover include:

- History of Art – tracing its evolution from cave painting to contemporary graffiti
- Critical and contextual drawing
- Diverse techniques and mediums in painting
- Digital Media Art
- Constructing informed judgements and critiques of artworks
- Life drawing
- Landscape drawing
- Art as a tool of propaganda
- British History through Art
- Study of renowned artists and their masterpieces
- Mixed Media Artwork
- Screen Printing
- Exploration of Expressionism and Abstractionism
- Self-critiquing methodologies
- Portraits, Posters and Comics and their creation
- Perspective and purpose in Art
- Mastery of colour and composition



Debate and Public Speaking

This one-week course is designed to develop students' skills in debate and public speaking, helping students to develop their confidence, critical thinking, and the ability to articulate ideas clearly. Each day will focus on different techniques, with opportunities to practice through structured debates and presentations.

Example Debate Topics:

- Social Media Censorship: Should social media companies have the right to censor content?
- Climate Change Responsibility: Are developed nations more responsible for tackling climate change than developing ones?
- Freedom of Speech vs. Hate Speech: Where should we draw the line?
- Education Reform: Should testing be abolished?
- Artificial Intelligence: Should AI be allowed to replace human jobs?
- Voting Age: Should the voting age be lowered to 16?
- Technology in the Classroom: Do digital tools enhance or hinder learning?
- Globalization: Is it more beneficial or harmful to society?

Students will sharpen their ability to express and defend their views confidently, learning how to research, structure arguments, and engage respectfully with opposing opinions. By the end of the course, they will have gained valuable public speaking skills that will benefit them in both academic and professional settings.

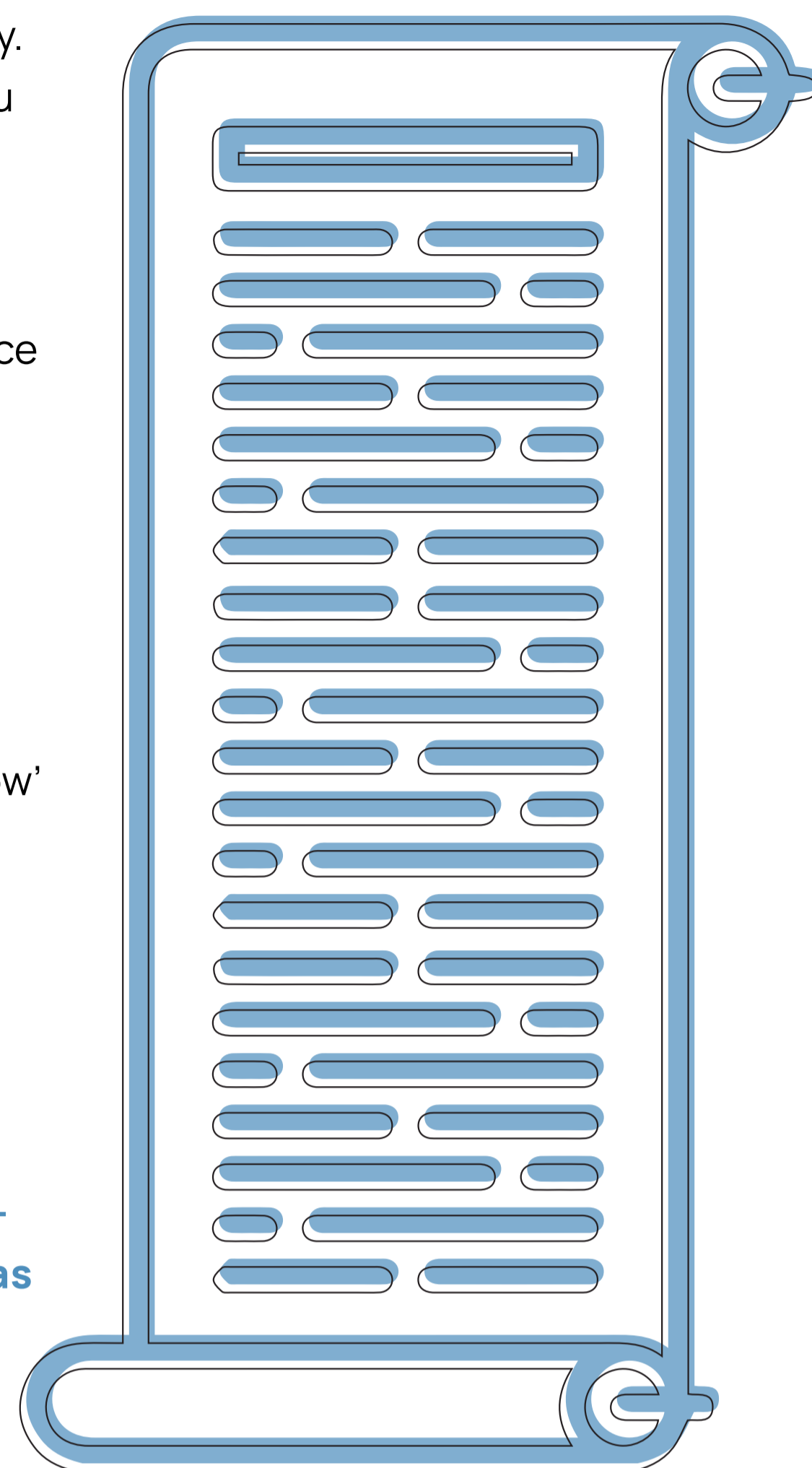
Essay Writing

Essay writing is a fundamental skill important in all aspects of academic study. In this option you will hone your written communication, and we will guide you in creating well-planned, well-structured and superbly written essays.

In Essay Writing you will:

- Develop the art of choosing the right topic that resonates with your audience
- Harness the power of AI and Chat GPT as invaluable writing tools
- Learn about plagiarism
- Create organised essay structures
- Master the art of arranging your thoughts and ideas in a systematic way
- Construct an engaging introduction that captivates your reader
- Create a compelling and discursive narrative that drives your argument
- Establish seamless transitions for a well-connected essay with a good 'flow'
- Captivate your reader's attention creating a good 'hook'
- Learn how to conclude your essay with impact and purpose
- Read and understand essays across various subject areas
- Start to develop a unique and distinctive writer's voice

Academic Summer's goal is to empower you with the skills and knowledge you need to write a good academic essay. We want you to be capable of tackling diverse topics, and to effectively communicate your ideas to a global audience.



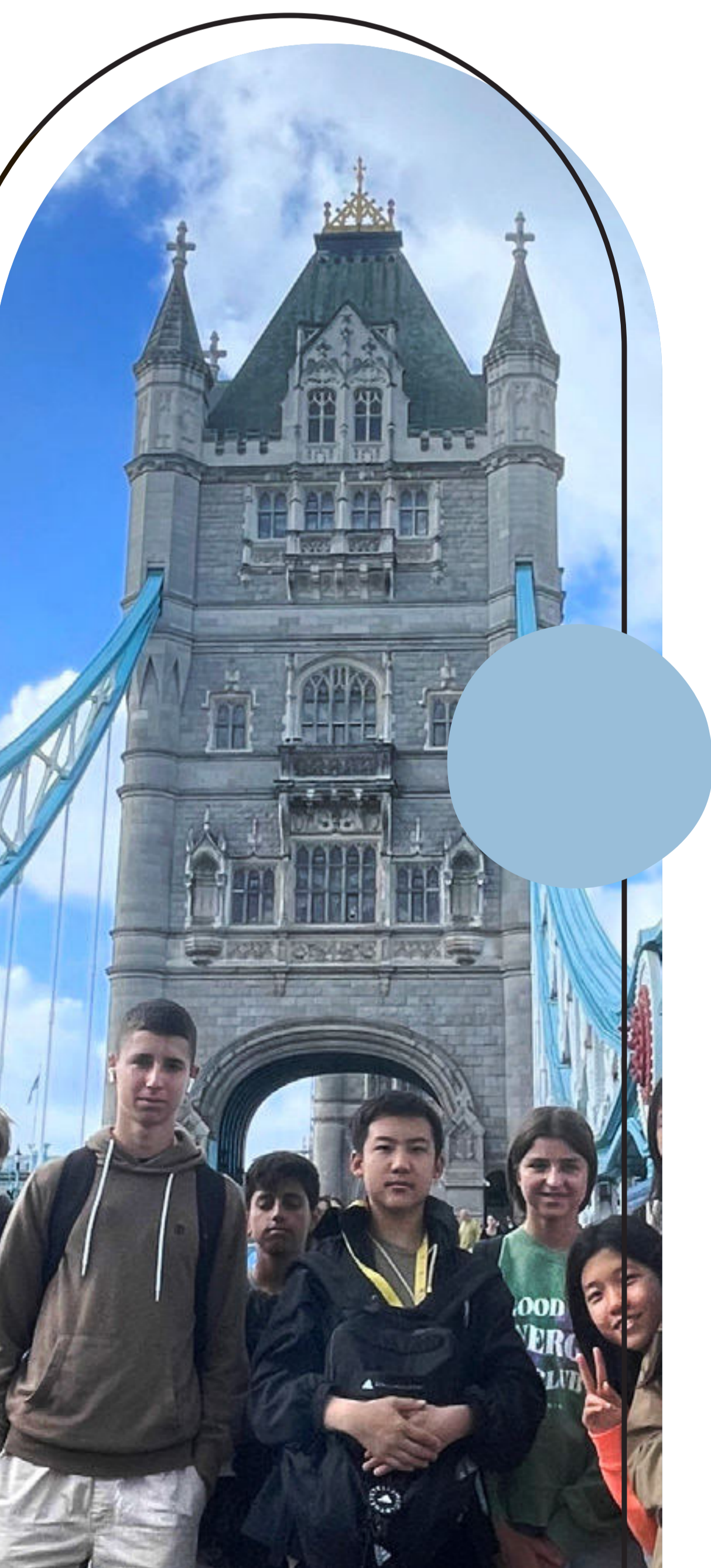
Media Studies

This one-week course is designed to give students a deeper understanding of the role media plays in society, focusing on media production, analysis, and its impact on public opinion. Through discussions, projects, and analysis, students will develop critical thinking skills and media literacy.

Some Example Topics:

- Fake News: How does fake news spread, and what can be done to combat it?
- The Influence of Social Media: Is social media shaping or distorting reality?
- Representation in Media: How are race, gender, and identity portrayed in the media?
- The Role of Advertising: Does advertising shape consumer behaviour, or reflect it?
- Ethics in Journalism: Should journalists be allowed to publish confidential information?
- Media and Politics: How does the media influence elections and political discourse?
- Film as Propaganda: How has cinema been used as a tool for political influence?
- Privacy in the Digital Age: How much of your personal data should be shared online?

Students will have gained a comprehensive understanding of media's power, influence, and responsibility. They will learn to critically analyse media content, understand the importance of ethical journalism, and be better equipped to navigate the media-saturated world we live in.



Presentations and Interviews

Mastering the art of delivering interesting and compelling presentations, and projecting your best self during interviews are essential skills for every Learner. In this subject option, you will grow in confidence and acquire a good understanding of how to deliver impactful and interesting presentations. You will develop body language awareness, clear communication, and a confidence in your topic. We will also equip you with essential skills to navigate

In Presentations and Interviews option you will:

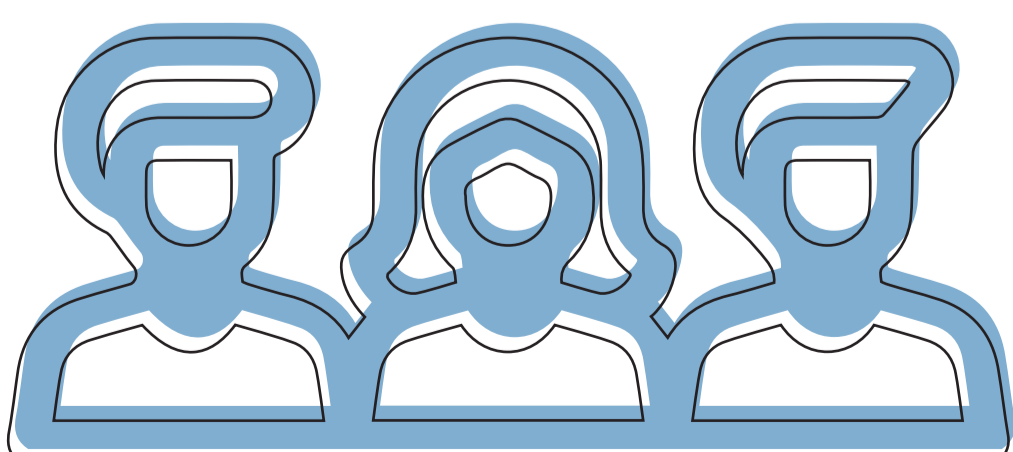
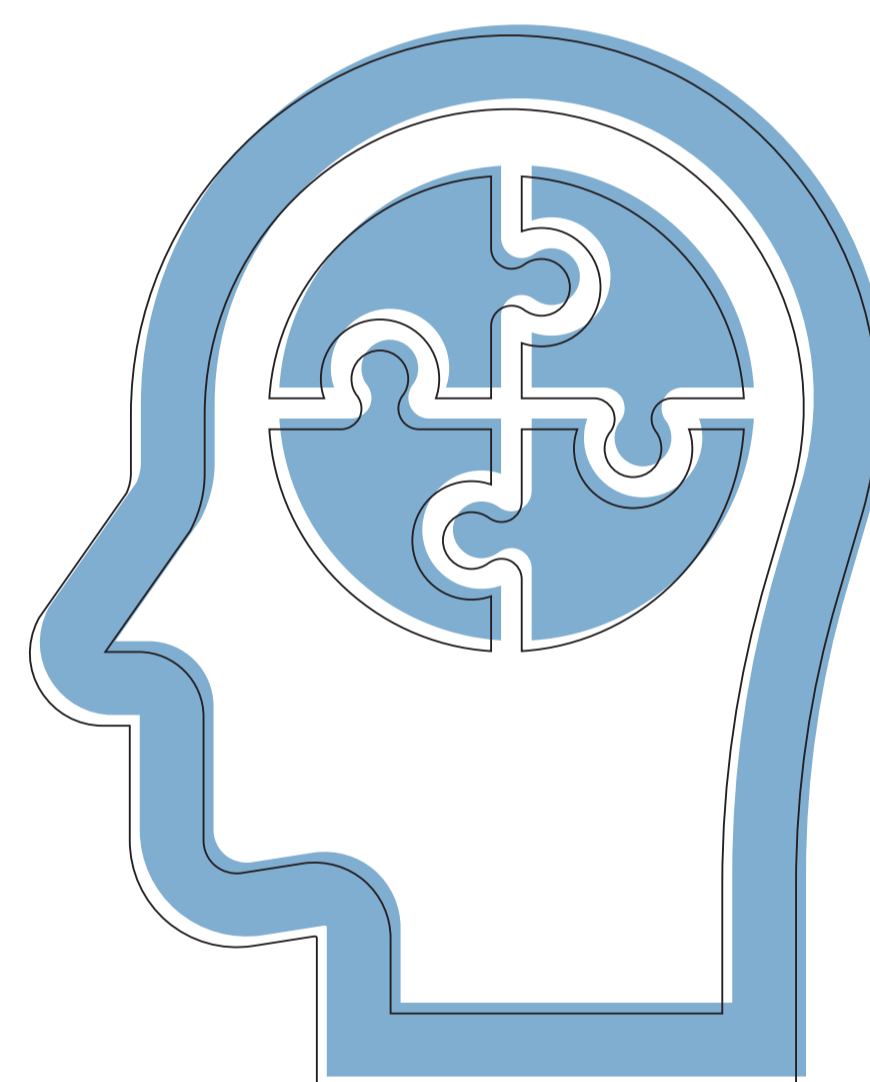
- Choose the right topic for your presentation
- Craft a plan for your presentation
- Perfect your presentation through practice and rehearsal
- Use connectives and structuring for coherence
- Use ICT and technology effectively to create the best presentations
- Master the principles of delivering a powerful presentation
- Prepare and research for your Interview
- Be ready for the questions that you could be asked
- Articulate the information you wish to convey to your interviewer
- Learn how body language and intonation are important in communication
- Employ signposting techniques to captivate your audience
- Achieve clarity in the information you deliver
- Respond to questions with confidence and relevance

You will not only gain the knowledge and skills necessary to excel in Presentations and Interviews, but also the confidence to shine in these crucial situations. You will be empowered to make lasting impressions and communicate your ideas to others.

Psychology

Academic Summer's Psychology course offers an illuminating journey into the intricate study of the human mind, its functions and influence on human behaviour. You have the opportunity to engage in diverse psychological approaches including Social, Cognitive, Psychodynamic and Biological perspectives.

We aim to captivate the fusion of both Science and Humanities, making it a great subject for those intrigued by the complexities of the human psyche and what drives our thoughts and actions. You want to understand what makes us tick then this course is for you. You will expand your knowledge of the subject and engage in practical experiments and research projects.



Some of the topics you'll explore in Psychology include:

- The fundamental principles of Psychology
- Unravelling the Biology of the brain
- Understanding memory, learning and learning difficulties
- Exploring the realm of Developmental Psychology
- Analysing human behaviour within society – Social Psychology
- Considering Ethical questions in the field of Psychology
- Delving into personality testing and what it tells us
- Investigating the Science of conformity
- Learning about key Psychologists and their influence
- Contemplating Knowledge
- Exploring the world of psychopaths and sociopaths

Join us in Psychology and gain profound insights into the human mind. We will expand your intellectual horizons and help you develop valuable skills and perspectives.

Social Studies

Social Studies encompasses the exploration of human society covering a range of disciplines including Sociology, History and Geography. If you enjoy Humanities and have a curiosity about the intricacies of our collective existence, our journey as a community, and our power to shape the world, then Social Studies offers you a captivating and thought-provoking adventure. This subject calls on you to develop your critical and higher-order thinking skills, alongside honing your language proficiency. You will refine your presentation and essay writing skills to master the art of answering exam questions in Social Studies.

Join us in the enthralling world of Social Studies and you will embark on a journey of discovery, exploration and critical analysis.

The subject offers intellectual enrichment and the opportunity to become a thoughtful and informed global citizen.

In Social Studies you will do some of the following:

- Explore the dynamics of people and places
- Investigate migration and immigration
- Unravel the concept of cultural identity
- Trace the evolution and development of societies
- Analyse the impact of war and change on a society
- Navigate the areas of Human and Social Geography
- Gain knowledge of the principles of Sociology
- Explore Politics and law making
- Contemplate the stewardship of managing Energy resources
- Look at the complexities of human population growth and control
- Understand Ecosystems
- Confront the issues of Global Warming and Climate Change
- Explore the concept of our Carbon Footprint and individual responsibility
- Learn about women in 20th century History
- Navigate the tapestry of 100 years of European History

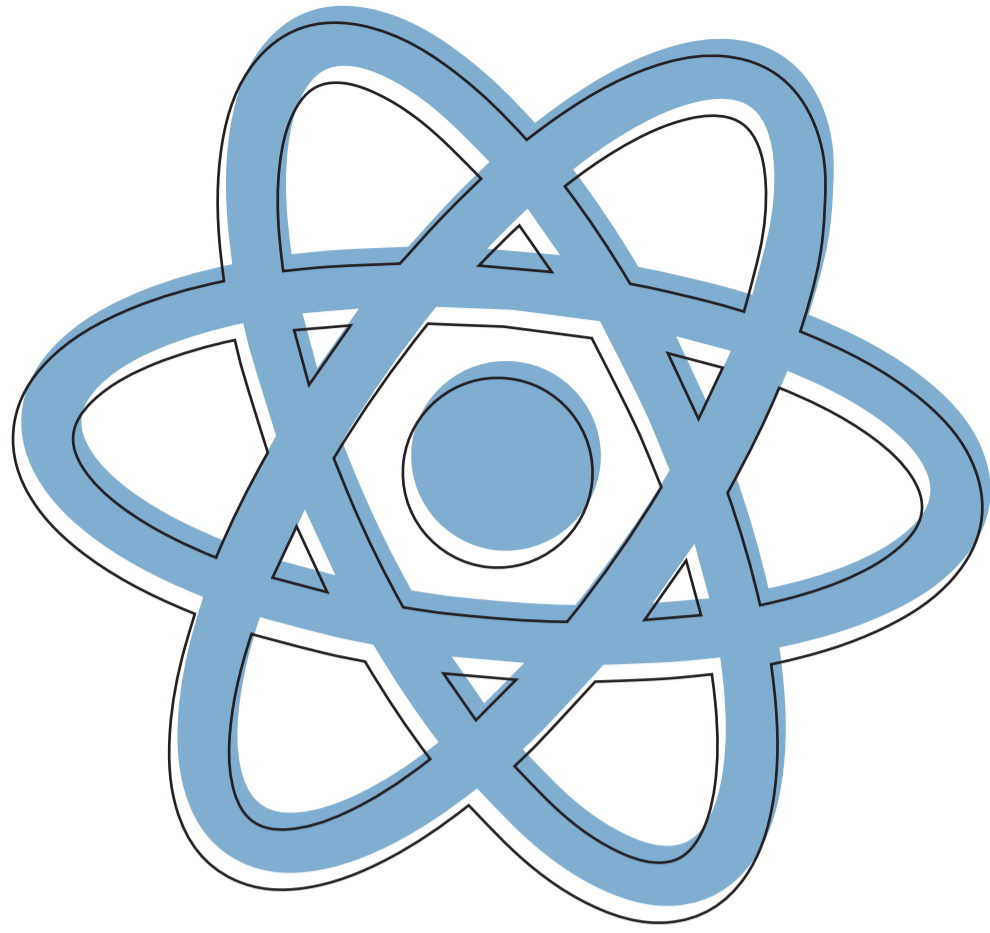
Theory of Knowledge

This one-week course focuses on the nature of knowledge and how we come to know what we know. Students will engage in philosophical discussions, explore different ways of knowing, and examine how knowledge is constructed and questioned across various disciplines.

Example Topics that could be covered in class:

- What is Truth?: How do we distinguish between truth and belief?
- Perception and Reality: Can we trust our senses to give us accurate knowledge of the world?
- Reason vs. Emotion: How do reason and emotion contribute to our understanding of the world?
- Language and Thought: Does the language we speak shape the way we think?
- Ethics and Knowledge: Can knowledge be morally wrong?
- Science and Objectivity: Can scientific knowledge ever be truly objective?
- History and Knowledge: How do we know what happened in the past? Is historical knowledge reliable?
- Art and Knowledge: How do we gain knowledge through art? Is artistic knowledge different from scientific knowledge?

By the end of the week, students will have explored fundamental questions about knowledge and its limits. They will develop skills in critical thinking, philosophical reasoning, and the ability to reflect on their own beliefs and assumptions, enriching their intellectual curiosity and understanding of the world and improve their critical thinking across the curriculum subjects.



Science

Academic Summer's Science programme offers you engagement into the scientific domain, encompassing fundamental principles that bridge Biology, Chemistry and Physics.

Our approach is cross-curricular, delving into topical questions related to Science in Current Affairs. You will build on your scientific knowledge and establish a strong foundation for future studies in the field of Science.

Here are some of the general topics that could be covered:

Forces:

Engaging in Newton's laws of motion and the principles of equilibrium. Forces play a role in biological processes and chemical reactions

Scientific Method:

Systematic approach to problem-solving and investigation. Involving observation, hypothesis, formulation, experimentation, data collection, analysis and conclusion drawing

Genetics:

Exploring how traits are inherited and passed down through generations. DNA and molecular genetics

Atomic Structure:

Including neutrons and electrons in Chemistry and Physics, and molecular in Biology and Biochemistry

Ecosystems and Environmental Science:

The impact of human activities on the environment drawing from all three Sciences to understand complex ecological systems

Energy:

The concept of energy in its various forms – kinetic, potential, thermal, chemical and electrical energy

Matter:

Classification of substances, the behaviour of atoms and molecules, and the physical and chemical properties of matter

Chemical Reactions:

The breaking and forming of chemical bonds in Chemistry have applications in Biology (enzymatic reactions) and Physics (combustion reactions)

Electromagnetic Spectrum:

This includes visible light, radio waves, microwaves and photosynthesis

These topics represent the interconnected nature of Science that you will explore in this subject option. This is becoming increasingly important in addressing complex scientific changes in our world. Scientists should have a broad understanding of these cross-curricular principles.

