

31. Curriculum Engagers Bristol

Engage deeper into your academic specialism as you get ready for A-Level, IB Diploma or the equivalent qualifications in your country. immerse yourself in the realm of your favourite academic areas of study. That's right, you have the power to choose your subjects and we create your unique individual timetable around those choices.

The Engager Subjects we are Offering in Bristol are:

- Applied mathematics
- Art
- Biology
- Chemistry
- Design & technology
- Economics business & entrepreneurship
- English
- Environmental systems & societies
- Essay writing
- History & politics
- Media studies
- Physics
- Presentation & interviews
- Psychology
- Theory of knowledge



Facts:

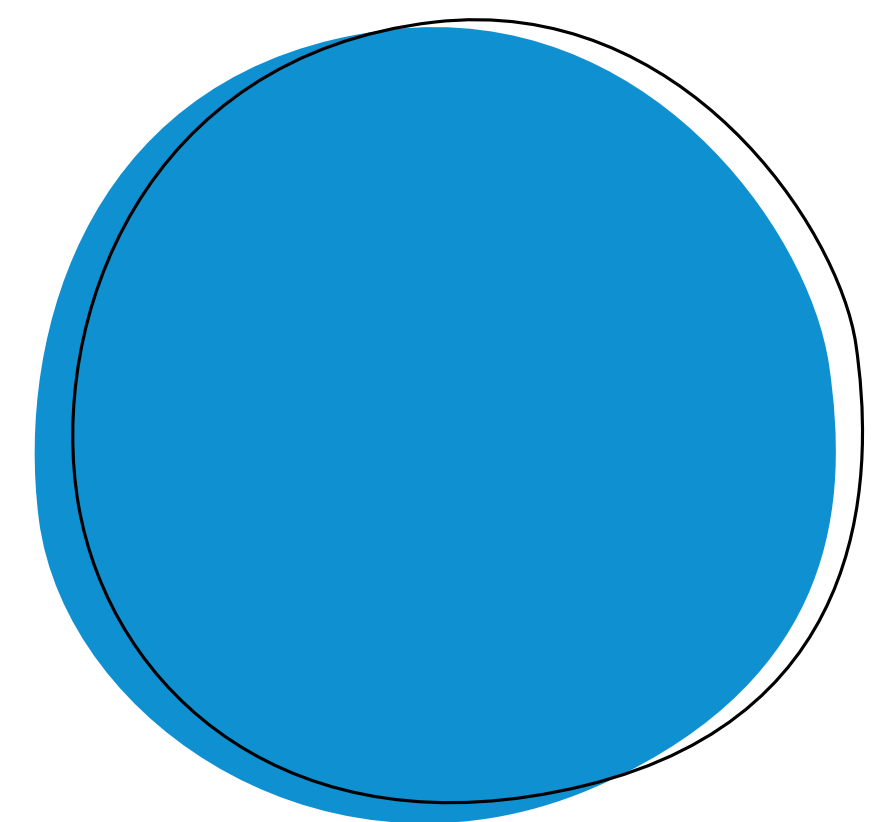
- Age 15-17
- Length of course: 2 to 6 weeks
- 30 hours of learning per week
- Minimum level of English: B2
- Max class size: 15

You'll engage in four subjects each week. While you're selecting your subjects, we recommend considering a few extra options to guarantee you are always in classes that interest you. We normally ask for eight choice and this ensures there are stimulating alternatives, for you, in case one of your choices don't work. The timetable is entirely customised to match the choices made by our students.

Reaching for Your Future

At Academic Summer we understand that your future is important, and we are committed to inspiring and guiding you towards the future you want. We empower and challenge you with new experiences designed to unlock your full potential. We encourage you to step out of your comfort zone, delve into both familiar and new subjects in innovative and exciting ways, and see the remarkable progress you can achieve in a short period of time.

Academic Summer gives you the opportunity to achieve your Personal Best, preparing you for the future that lies ahead. The Personal Best philosophy permeates every aspect of the Academic Summer Camp experience, highlighting achievements in social and personal growth, community involvement, cultural awareness and physical education. By developing 21st century skills you will be ready for a future shaped by the world of technology and Artificial Intelligence (AI) where human skills like creativity, problem-solving, adaptability, ethical awareness, emotional self-regulation, teamwork and critical thinking, become invaluable assets that machines cannot easily replicate.



Content and Language Integrated Learning

We use Content and Language Integrated Learning (CLIL) as the cornerstone to our teaching and learning approach. CLIL has been described as 'a major methodological revolution' in language teaching and is central to our commitment at Academic Summer to respond to the evolving landscape of language learning. Students engage in content that interests them, resulting in an unconscious improvement in their language acquisition. We ensure learning is fun, interactive and age-appropriate, therefore, giving everyone the opportunity to thrive.

Content and Language Integrated Learning is based on the 4Cs:

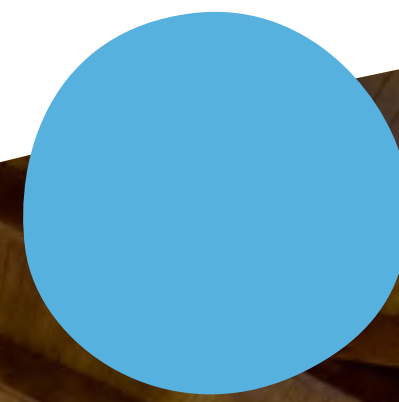
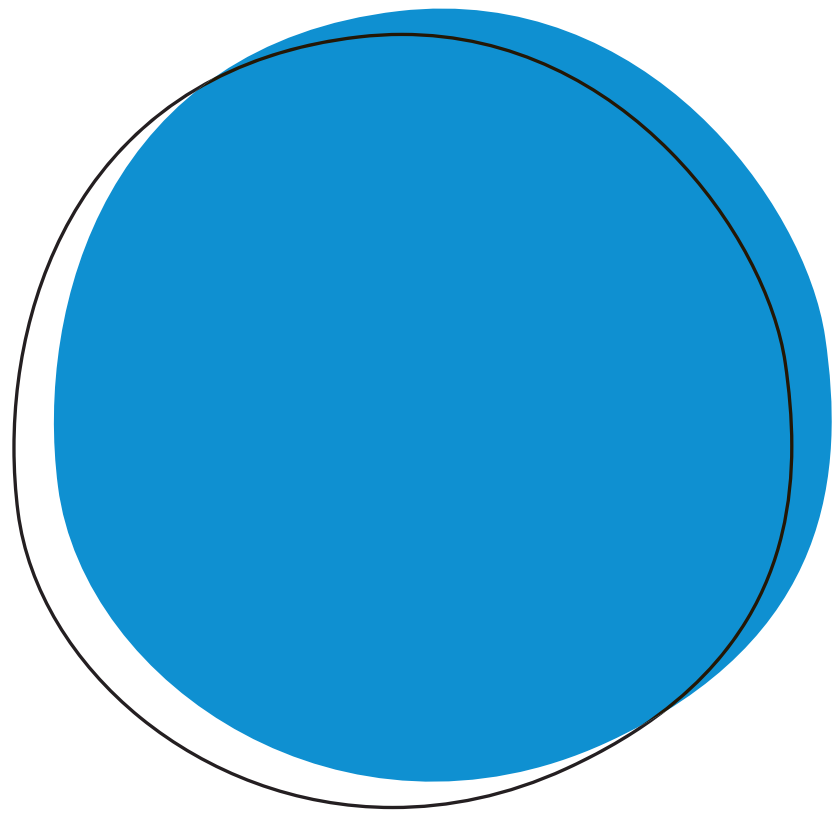
- **Content** – enriching our curriculum knowledge
- **Culture** - raising awareness of our culture and the culture of others
- **Cognition** - thinking and learning skills
- **Communication** - sharing our ideas effectively with others

Be a Leader

Be a Leader is a CPD accredited, bespoke course tailored to challenge students to explore what leadership means, how you can develop key leadership and team working skills, understand your strengths and interests better, and use this insight to reach for your future. Sessions are interactive, and you'll benefit from weekly lectures from inspirational leaders. Daily themes are introduced in morning assemblies with Be a Leader woven through the camps and camp life. Additionally, you'll have premium access to 'My Future Choices', a psychometrically designed aptitude and career guidance platform which will help you to explore your potential and the pathways to an inspiring future.

Assessment

You will be assessed on academic performance and attitude towards learning in lessons, and this assessment will be documented in your weekly report, which each of your teachers contribute to. You will be given an A-D grade for each subject with A representing excellent effort and a consistent positive attitude to learning, and D representing unsatisfactory effort and achievement. At Academic Summer we celebrate the individuality of our students, and their achievement is benchmarked against their own ability and goals.





Our Engager Subjects

Applied Mathematics

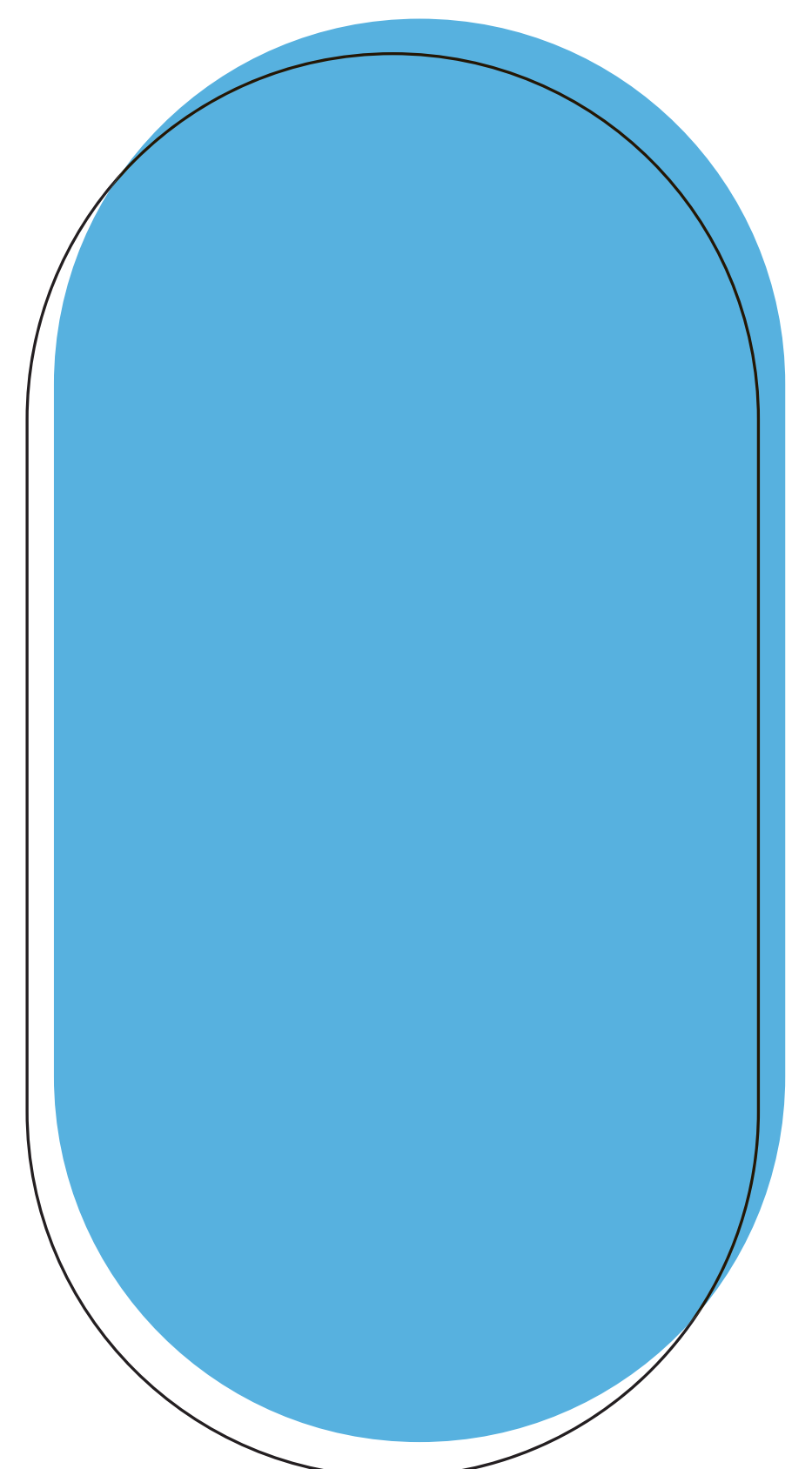
Applied Mathematics offers a dynamic exploration of Mathematical concepts with real-world relevance – you will learn how to use Maths in everyday life. It is great preparation for both IB and A-Level Mathematics as well as equipping you with valuable Mathematical skills useful for other subjects, including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

A variety of topics are covered such as:

- Statistics and Mechanics
- Mathematic applications in technology
- Computational Biology
- Theoretical Physics
- Trigonometry
- Arithmetic and Geometric sequencing
- Mathematics in nature
- Mathematics in Sports: numerical analysis
- Patterns and sequencing
- Complex numbers
- Predictive Analysis in Business
- Conditional probability
- Arithmetic and geometric sequencing
- Engineering and design
- Coordinates
- Mathematical language
- Graphs and data sharing

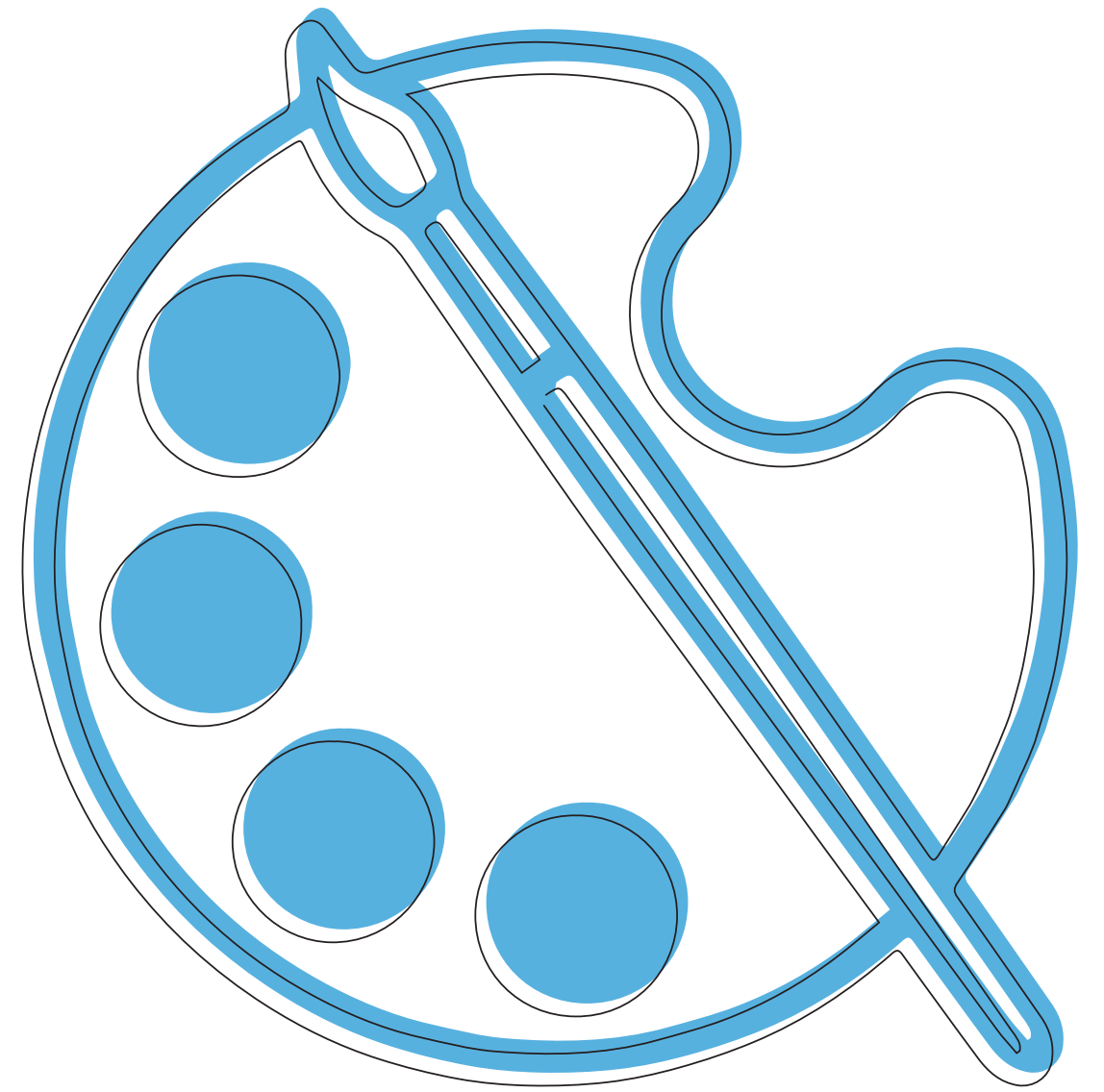
Discover the world of Applied Mathematics, where learning is more than theory and finds practical expression in the realms of Science, Technology and everyday life. You never knew Maths could be fun!



Art

Our host school, Sidcot 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.

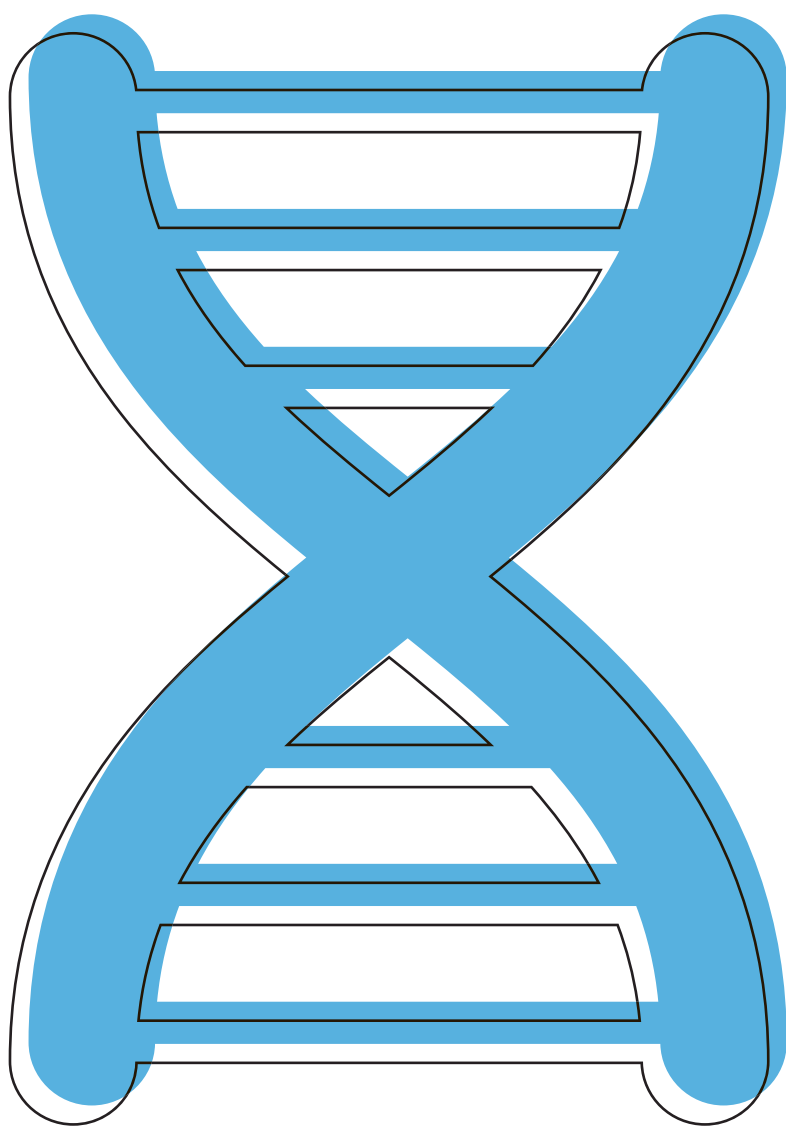
You will also develop your skills of critical evaluation, both your own work and that of well-known artists. You will explore a variety of cultures, understand your attitude to Art, broaden your appreciation of Art, and of course have the opportunity to visit art galleries.



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

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



Biology

Biology lessons at Academic Summer offer a profound exploration of the living world and the intricate processes that govern it. You will engage in various topics including Genetics, Ecology, Human Biology and Cell Biology through a dynamic mix of classroom instruction, hands-on laboratory experiments and engaging fieldwork.

As part of the curriculum you will gain a global perspective and you will master essential skills, such as experiment design, data collection and analysis, and the formulation of evidence-based conclusions. We nurture your critical thinking and cultivate your appreciation for the natural world, equipping you for the complex challenges our planet faces.

Areas of study may include:

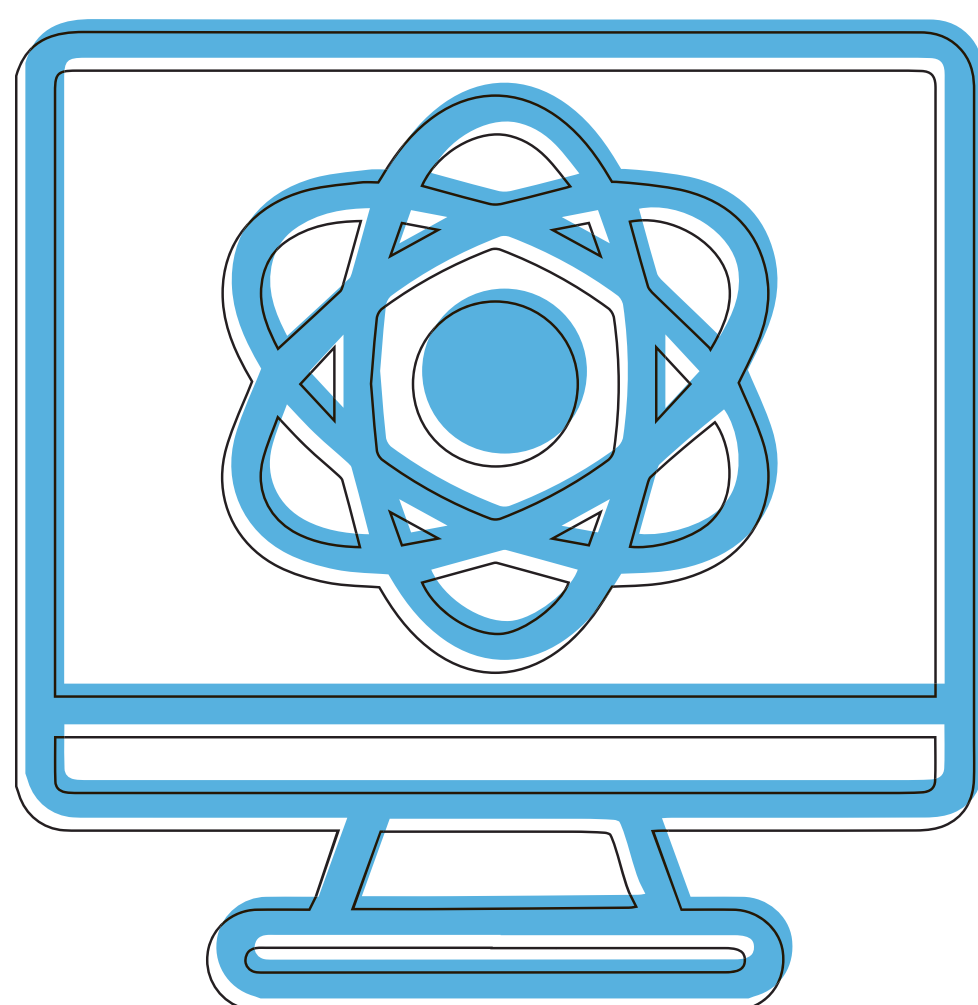
- Microscopy and its role in understanding cellular energy
- Unpacking the Chemical energy that comes from food
- In-depth exploration of Cell Biology
- Hands-on experience with DNA extraction from plants
- Investigating natural History and Biodiversity
- Understanding chromatography as a scientific tool
- Exploring the complexities of the human nervous system
- Using experimental apparatus effectively
- Engaging in dissection
- Examining the principles of Ecology and Biodiversity
- Delving into the realm of Biochemistry
- Learning how to report experimental findings

In the captivating world of Biology, you'll not only unravel the mysteries of life, but also be equipped to write the future chapters of scientific discovery and conservation.

Chemistry

Dive into the fascinating world of Chemistry with Academic Summer, where learning becomes a dynamic explosion! There will be a balance of experiments and theory, and our course offers you an engaging, well-rounded learning experience in the state-of-the-art Science Labs at Sidcot School.

You will gain a profound understanding of Chemistry in addressing real-world challenges, such as sustainable energy solutions and environmental preservation.



Some of the topics studied in Chemistry will include:

- Atomic structure
- Chemical bonding
- The Periodic Table
- Acids and alkalis
- Emission Spectra
- Celestial bodies and their elemental composition
- The fascinating world of polymers
- Medicines and Their Impact on health
- Classification of Chemical substances

Join us for this exciting adventure where you'll uncover the mysteries of matter and the transformative power of Chemistry to shape our world and tackle pressing global issues.



Design and Technology

Explore the world of Design and Technology (D&T) at Academic Summer, where our technology lessons provide the perfect platform for your creative juices to flow. From graphics, to woodwork, metalwork to product design, D&T offers you the opportunity to try your hand at something new while building on the skills you already have.

We encourage you to embrace a creative and practical approach to problem-solving and innovation. Our curriculum blends classroom instruction, hands-on-activities and intriguing design challenges. You will view D&T from a global perspective considering the cultural, sustainability and environmental influences in your designs.

You'll develop skills in critical thinking, prototyping and project management, while nurturing your creativity and innovation.



Some examples of the topics we could cover in D&T:

- Carcase construction
- Creating an MP3 amplifier
- Circuit construction
- Graphics: Creating a board game
- Perspective drawing for design
- Principles of fashion design
- Designing and making clothing
- Creating a working sketchbook
- Designing and making toys

Join us for an enriching journey where you'll unleash your creativity and problem-solving, and you foster your ability to make a meaningful contribution to a sustainable and technologically advanced world.

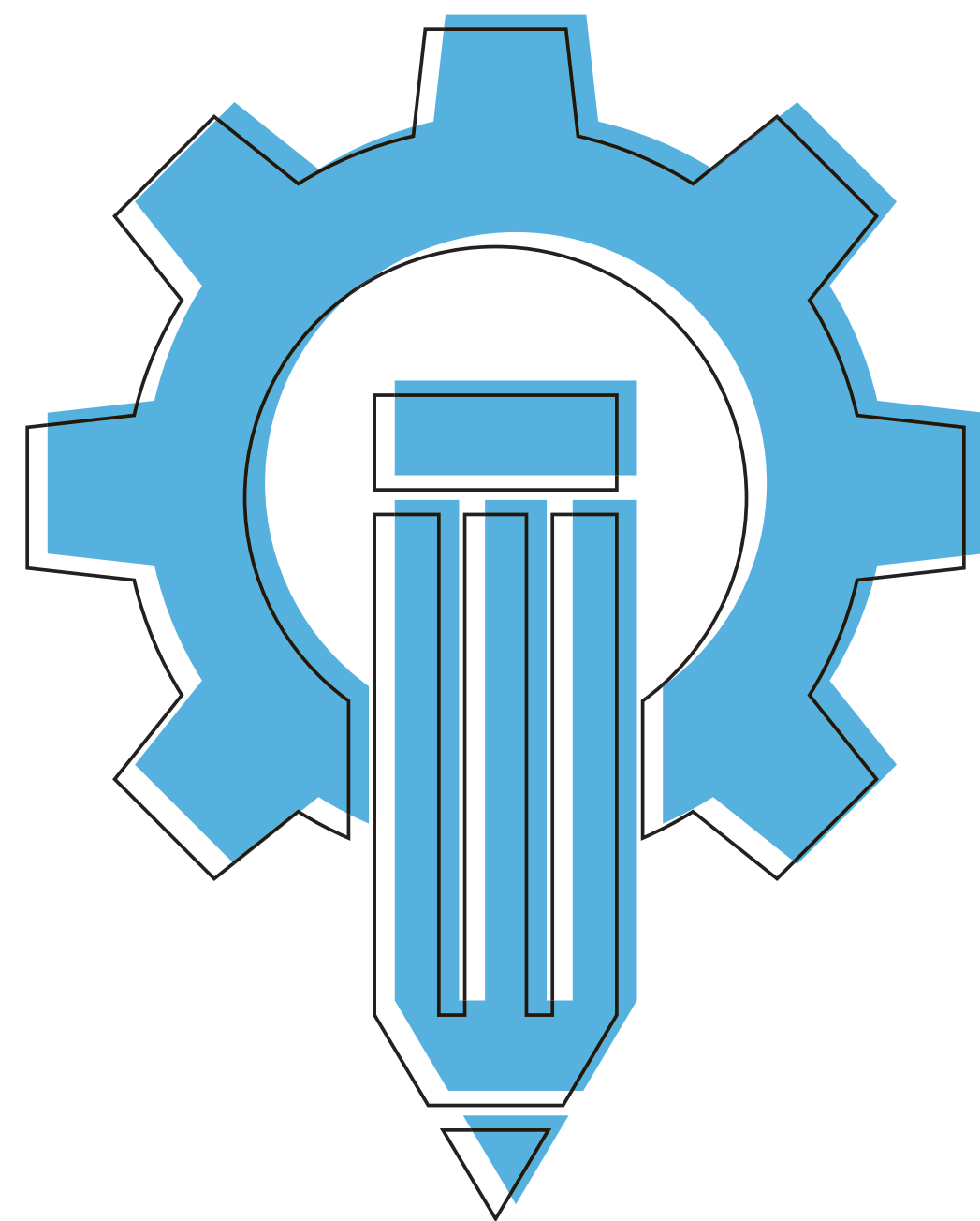
Economics, Business and Entrepreneurship

Unlock the dynamic world of Economics, Business and Entrepreneurship. Academic Summer's international student body provides the perfect backdrop for engaging with these subjects, allowing you to experience the global nature of Economics and Business first-hand. Embrace the mindset of an Economist or Business Owner, and learn how to become a visionary Business leader of tomorrow.

You will embark on a journey of innovation, creativity and practical problem-solving as you learn to develop your entrepreneurial spirit. Whether you are creating a business plan, honing your pitch, or collaborating with your peers, you will expand your knowledge of Entrepreneurship and Business, and at the same time develop your skills in teamwork, critical thinking and adaptability.

Engage in hands-on activities that enhance your subject knowledge in Business and Economics. You will put the theory you learn into practice through tackling real Economic challenges, and explore your passion for Business by stepping into the exciting world of Entrepreneurship.

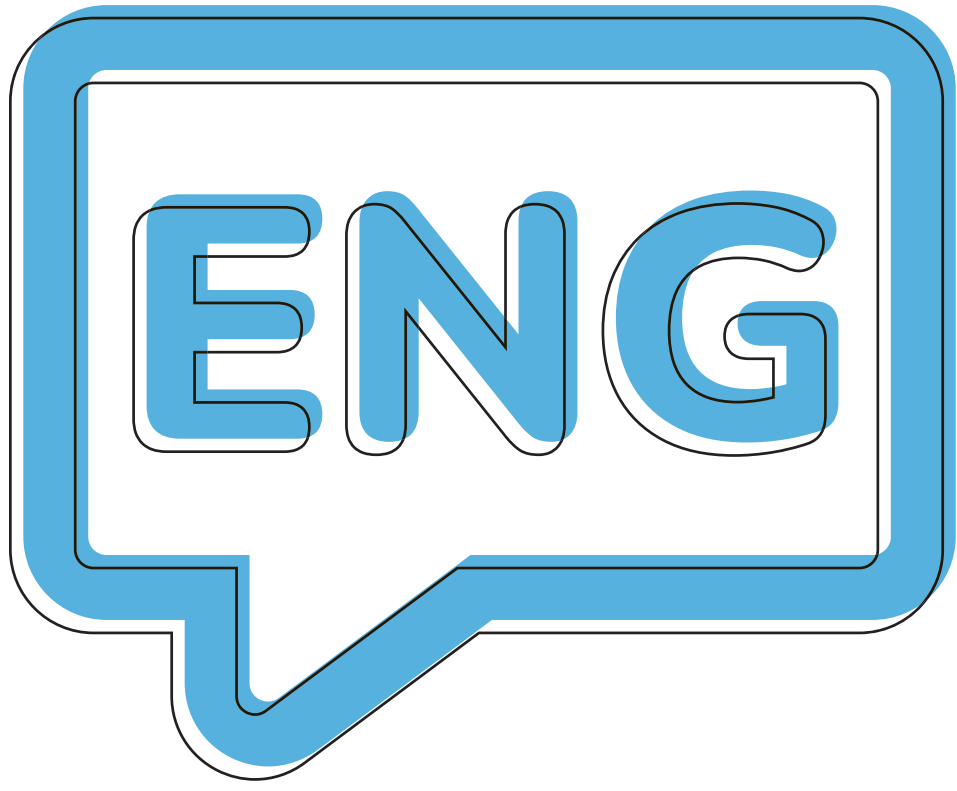
Join us on this exhilarating journey where Entrepreneurship takes centre stage. You will discover how Economics and Business can drive innovation and create positive change in our world.



In this Business, Economics and Entrepreneurship You

will cover some of the following:

- The Entrepreneurial Spirit: unleashing Innovation and risk-taking
- Micro and Macro Economics: navigating the global marketplace
- Supply and Demand Dynamics: balancing the level of success
- Measuring Economic Success: beyond the balance sheet
- Personal Finance: explore financial literacy
- Entrepreneurship and Social Impact: pioneering positive change
- Globalisation: boundaries in Business
- Creating a Compelling Business Proposal: from the Idea to the reality
- Business Planning: writing and pitching your Business Idea
- Efficient Business Operations: maximising resources
- The Journey to Success: from vision to execution



English

English offers a holistic exploration of Language, Literature and communication skills, cultivating an understanding of written and spoken word. You'll embark on a literary journey, honing your reading comprehension and literary analysis, as well as refining your writing and speaking communication.

The curriculum is enriched with a global perspective, delving into literary works from diverse cultures and languages thus promoting cultural awareness. You may cover Classic and Contemporary Literature, Creative writing, Poetry analysis and persuasive essay writing. You will develop your abilities in effective communication through presentations and debates.

You will engage with a range of captivating topics such as the Environment, The Arts, Fashion, Historical and Current Affairs, aiming to enhance your proficiency in listening, reading, writing and speaking.

You will explore the language and content of a variety of texts such as:

- Newspaper articles
- Journals
- Letters
- Excerpts from plays
- Reviews
- Interviews
- Blogs
- Short stories
- Personal testimonies

In the realm of English, the power of words knows no bounds, and with Academic Summer your journey of exploration and expression has just begun.



Environmental Systems and Societies

Environmental Systems and Societies is an exciting field of study that combines Geography, Anthropology and Science, creating a multidiscipline platform for exploration.

One of the remarkable aspects is the rich diversity of students who join Academic Summer from all over the world. This presents a unique opportunity for authentic, cross-cultural comparisons of different environmental systems and how different nations address global challenges. You will heighten your awareness of Environmental issues while honing your communication and analytical skills.

Some of the compelling topics You may explore include:

- Managing Energy Resources: Considering strategies for sustainable energy use
- Human Population and Growth Control
- Ecosystems
- Global Warming and Climate Change: Navigating the complex challenges posed by climate change
- Pollution: Look at the various forms of pollution and their impacts
- Carbon Footprint: Corporate or Individual Responsibility
- Population Growth and Environmental Ramifications: Understanding the consequences of population growth on our planet
- Travel and Tourism: Analysing the environmental implications of the travel industry
- Value systems and Theological Beliefs: World Issues: Exploring values, beliefs and global environmental concerns
- Tradition and Modernity: Investigating how traditional and modern practices affect our environment.

In Environmental Systems and Societies you will become a conscientious advocate of our planet, equipped with the right skills to address the environmental challenges of our time

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

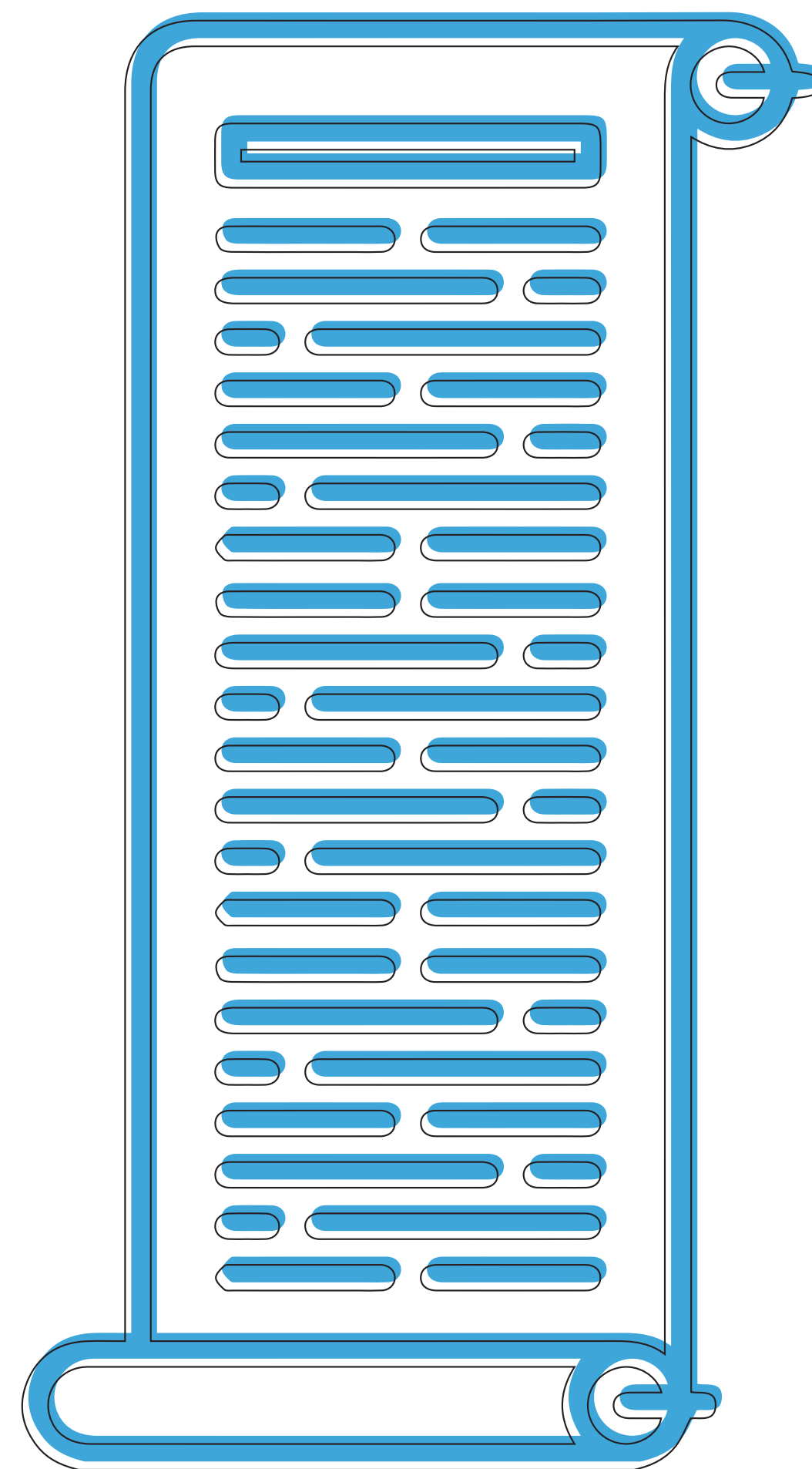
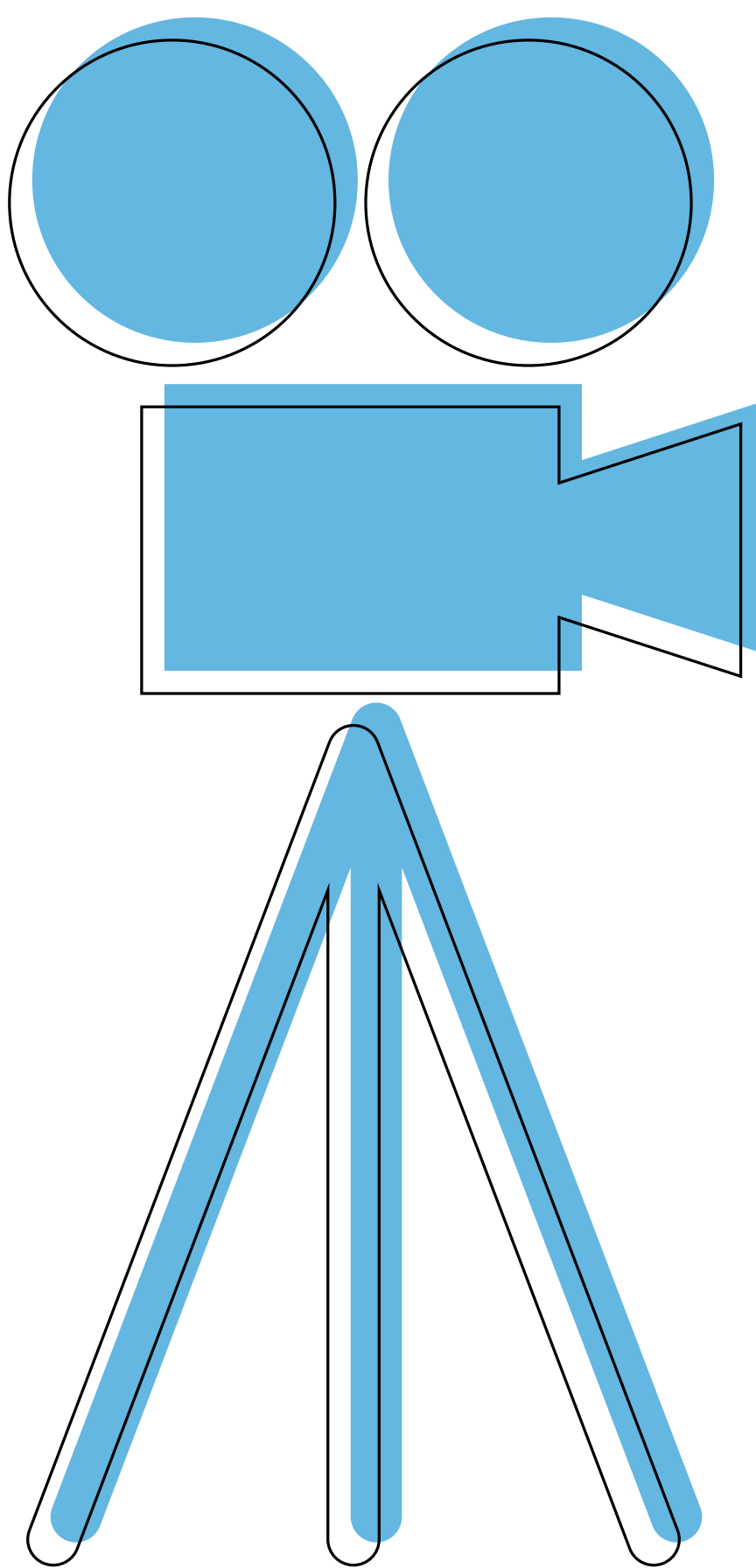
Academic Summer's goal is to empower you with the skills and knowledge you need to write a good academic essay. We want you to be capable of tackling diverse topics, and to effectively communicate your ideas to a global audience.

Media Studies

Media Studies immerses you into the dynamic world of modern Media which includes television and film. You will delve into production processes gaining 'behind-the-scenes' experience. You will create your own Media works and let your creative talent shine. This may be by creating a short film, a mesmerizing music video or producing a captivating animation piece.

You will engage in the History and Technology underpinning the evolution of different Media. Collaboration is at the heart of Media Studies and you will work together to research and develop your work, drawing from the student body's unique experiences and backgrounds.

In Media Studies, you not only become a Media creator but also a Media connoisseur. You'll explore the dynamic world of Media production and consumption while honing your creative and technical skills.



Topics covered in this exciting subject may include:

- Stop Motion Animation: The art of bringing inanimate objects to life through animation
- The History of Cinema: A captivating exploration into the history of Cinema and its influence on modern film
- Creating a Short Film: Producing a compelling short film
- Script and Storyboard Work: The craft of storytelling and visual planning for Media projects
- Multimedia Technology: An exploration of cutting-edge technology in Media production
- Digital Storytelling: Unleashing the power of narrative in the digital age
- The History and Future of Media: Tracing the evolution of Media and its future
- Audience Demand: Analysing the preferences and expectation of Media consumers

History and Politics

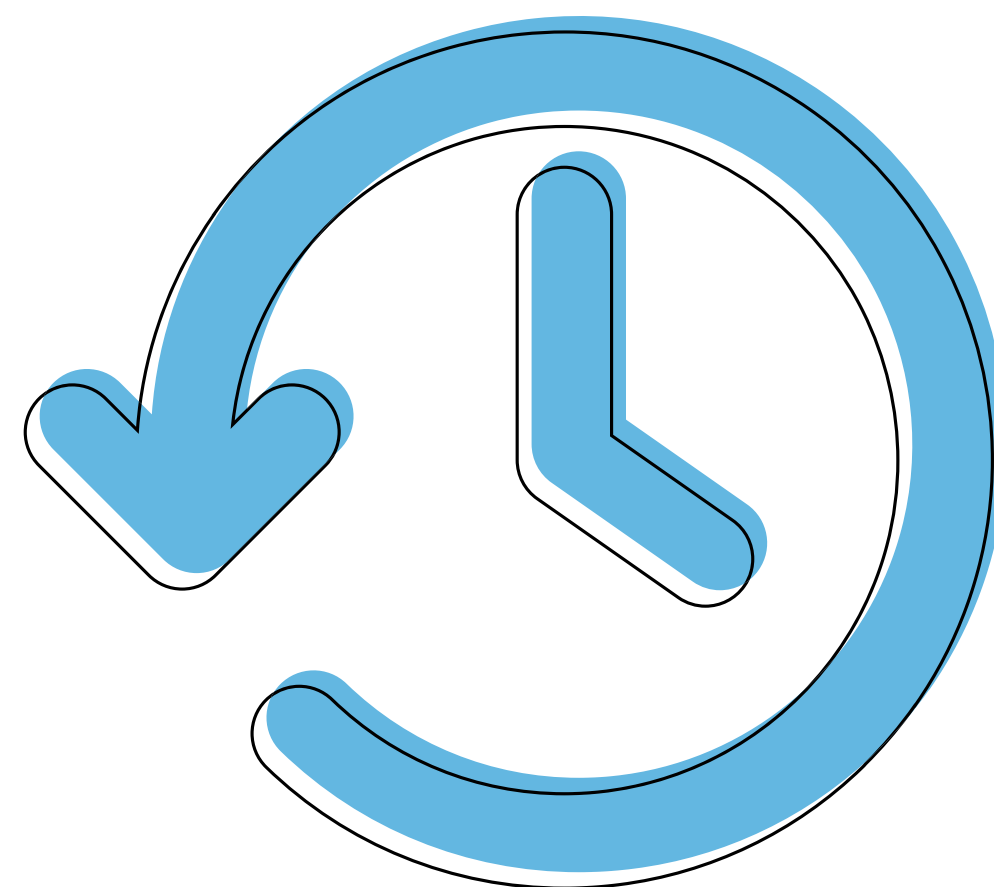
At Academic Summer, we recognise the profound relevance of our past shaping our future. The question is can we learn from the past to improve our futures? In History and Politics we aim to equip you with the tools to become true Historians. You will promote critical and analytical thinking enabling you to apply these skill to the exploration of modern-day Politics and how Politics can shape History.

You will delve into various methods of interpreting historical evidence, and analysing it from Social, Economic and Political perspectives. What is special, is the collaboration with other students from different countries and cultures, providing you with an amazing opportunity to explore Historical events from multiple viewpoints.

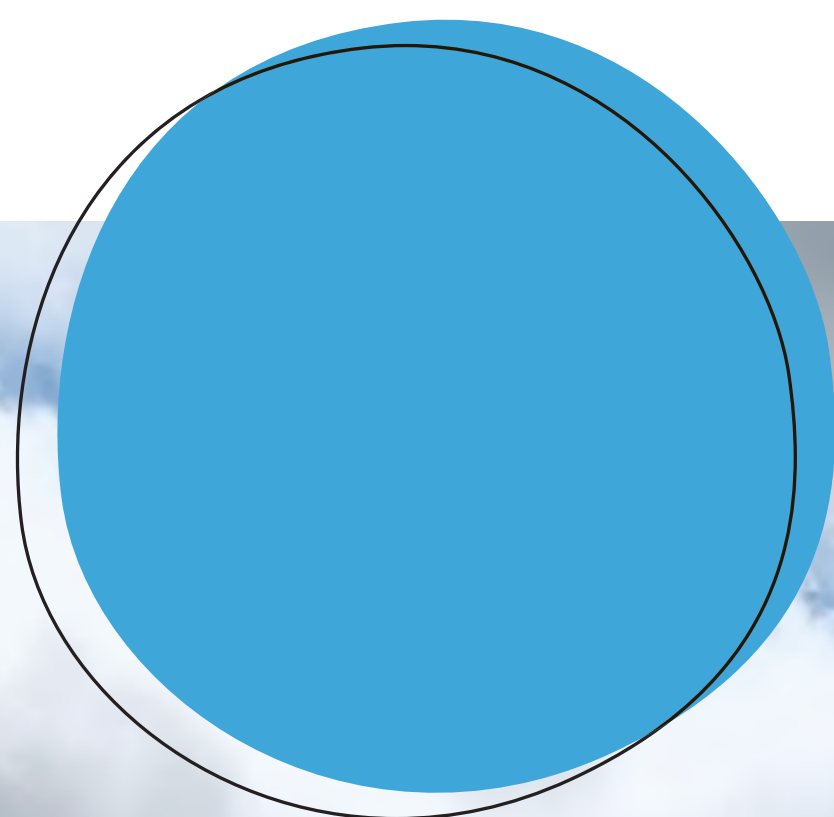
Learning involve individual investigation, group research, engaging presentations and enlightening field trips, contributing to you developing as a well-rounded thinker. You will delve into captivating themes which will ignite debate and stimulate higher-level thinking.

Examples of areas that we may include in History and Politics:

- Bristol and the Slave Trade: exploration into the city's historical involvement in the slave trade
- The Cold War: a profound analysis of the ideological and geopolitical struggles of the Cold War era
- Women in 20th Century History: unearthing the stories and contributions of women in the 20th century
- Medicine, Poverty and Politics: examining the intricate issue of healthcare, social disparities and political decisions
- London Through Time: a journey though the historical evolution of one of the world's iconic cities
- Westminster: exploring the heart of British Politics
- Comparing Millennia: contrasting different eras to gain insights into societal changes
- 100 years of Eastern European History and Politics: an exploration of the complex history of politics of Eastern Europe
- The World Wars: analysing the impact of both World War 1 and World War 2
- Cuba: delving into the history and politics of this unique Caribbean island nation



You will not only unearth the past but also become active and informed participants in shaping the world's future. You will emerge as critical thinkers, global citizens and advocates for a better tomorrow.



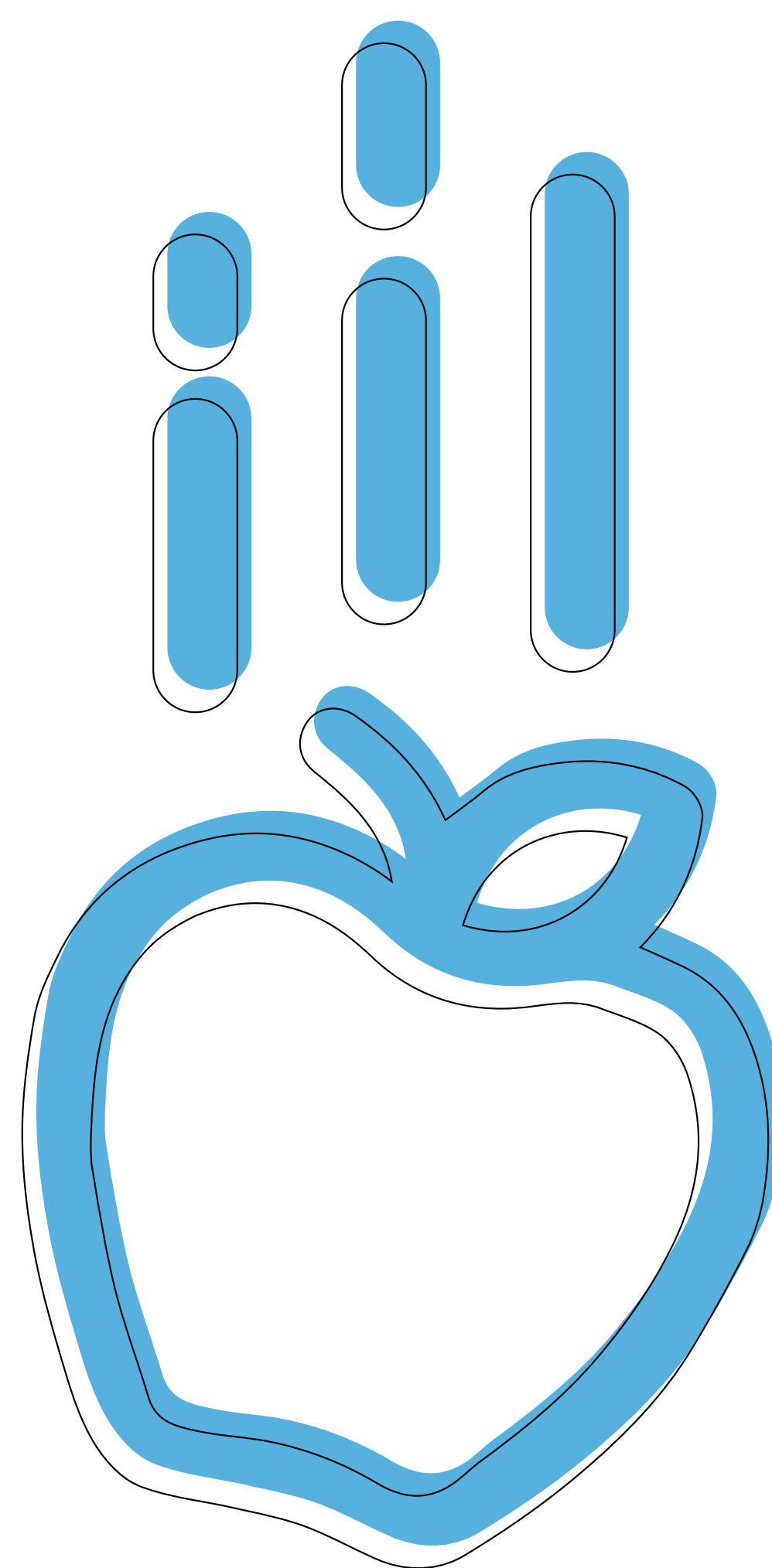
Physics

Our Physics lessons caters for those with boundless curiosity about the world around us. With a focus on investigation and analytical thinking, you will explore a range of interesting and intriguing themes in Physics. Learning in a dynamic blend of hands-on lab work and theoretical exploration through group and individual study.

You will cultivate a good understanding of fundamental Physics principles and enhance your Physics vocabulary. The curriculum nurture critical thinking skills, the art of experiment design and the techniques for data analysis. Going beyond the acquisition of knowledge, your will develop a deep appreciation for the wonders of the universe and the scientific methods to discover its mysteries.

Through your Physics journey with us you will explore captivating topics, including:

- Forces and Motion: unravelling the laws governing the behaviour of objects in motion
- Electricity (Kirchoffs Laws at a Basic Level): navigating the intricate world of electric circuits and currents
- Energy Equations: delving into the fundamental equations that describe energy transformations
- Circuit Systems: exploring the principles behind electrical circuits and systems
- Atoms: peering into the building blocks of matter and the atomic world
- Particles and Radiation: investigating the subatomic realm and the phenomena of radiation
- Magnetic Fields: understanding the magnetic forces that shape our world
- Practical Exploration of Further Mechanics: engaging in hands-on exploration of advanced mechanics concepts



In Physics you will unlock the mysteries of the Physical world and cultivate the skills and knowledge needed to embark on a lifelong journey of scientific inquiry.





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 interviews with finesse. We will help you create impressive responses and effectively market yourself.

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.

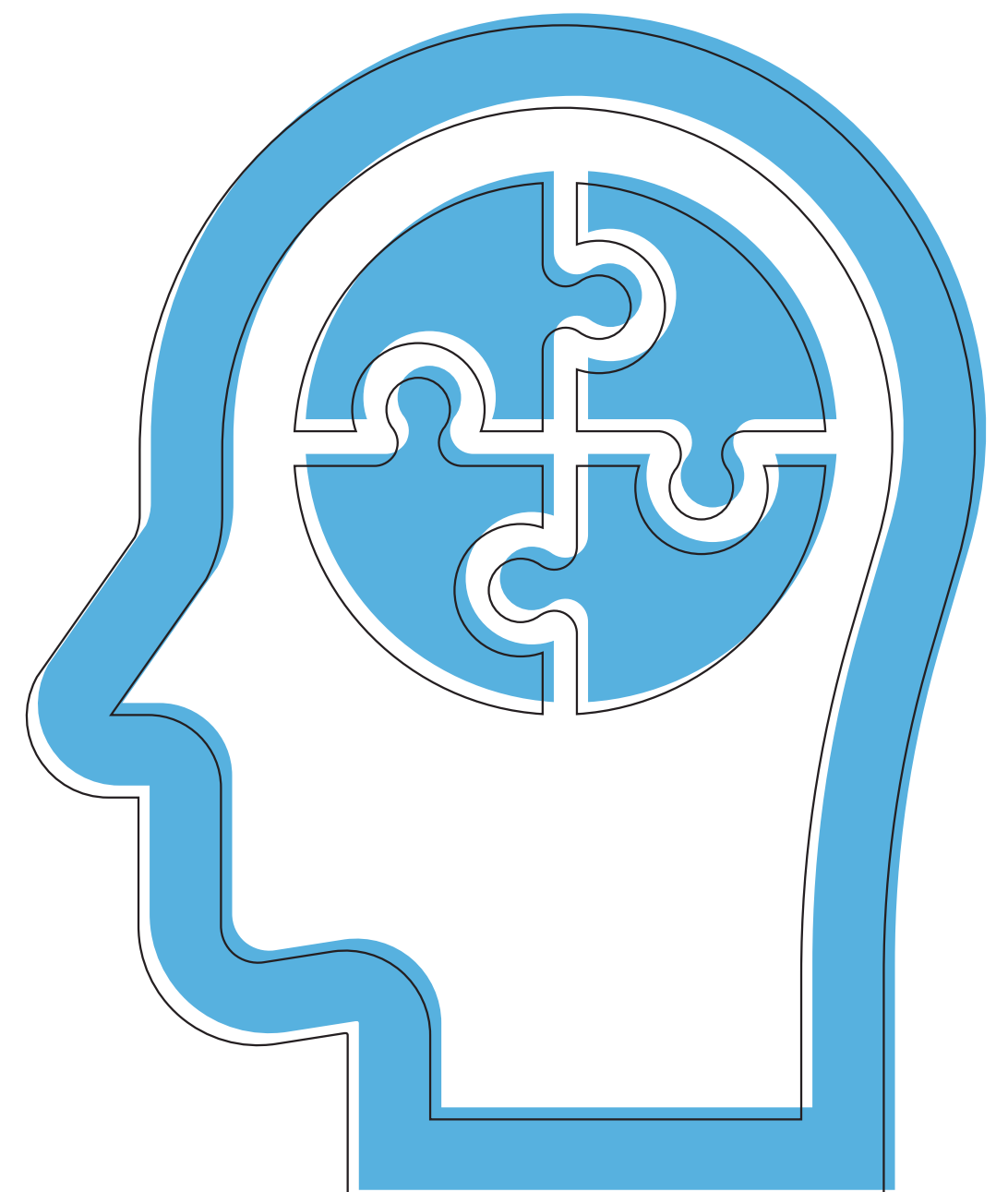
Psychology

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.

Theory of Knowledge (ToK)

You have the opportunity to embark on a philosophical journey into the very nature of knowledge itself. The intellectual quest will lead you into critical discussions, impassioned debates and reflections on a multitude of intriguing topics. ToK fosters an unquenchable thirst for intellectual exploration and will equip you with a valuable set of critical thinking skills that can be applied across all academic disciplines. By embarking on this philosophical journey, you will engage with a diverse and ever-evolving world.



The contents of the Theory of Knowledge course component are:

How do we know what we know? - Learning

- Learning via language and communication
- Learning through our emotions
- Learning by applying reason
- Learning through sensory perception

How do we test what we know? - Submitting to what we claim to know and testing this

- Coherence
- Consensus
- Correspondence
- Pragmatism

What do we learn? - Areas of Knowledge

- Sciences
- Mathematics
- The Arts
- History
- Ethics

What do we do with what we know? - Applying what we know

- Discussing obligations as knowers
- Putting or knowledge into practice in real life
- Communicating what we know to others
- Accepting and evaluating what others know

How do we know that we know what we know? - Supporting claims to know things

- Sensory perception
- Logic
- Intuition
- Memory
- Faith
- Revelation
- Authority
- Consensus
- Self-awareness

Theory of Knowledge encompasses a rich tapestry of thought provoking themes that will inspire your intellectual odyssey.

