TSI
INTERNATIONAL SCHOOL

Cambridge Assessment International Education
International General Certificate for Secondary Education

AS & A LEVEL
OPTIONS 2026 - 2028

Supporting learners with their next steps...

CIS MEMBER

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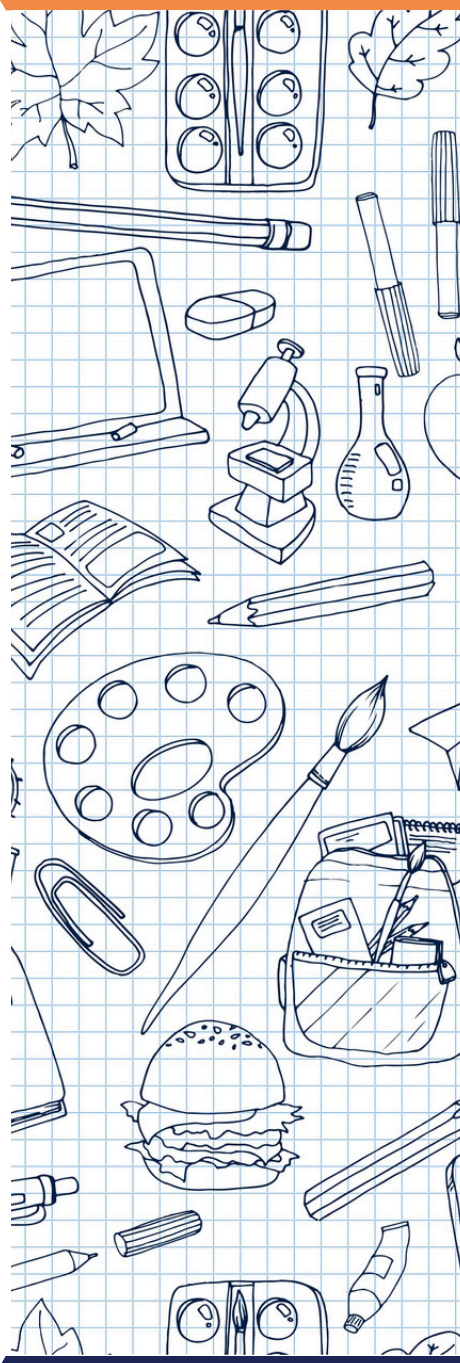

THE WAY AHEAD.

This booklet has been compiled to enable Year 11 students and their parents to make the most appropriate choices for Cambridge and other courses offered at TSI International School.

Cambridge Assessment International Education

International General Certificate for Secondary Education

WHAT ARE THE CAMBRIDGE INTERNATIONAL AS & A LEVELS?

Cambridge International AS & A Levels, more commonly known as A-Levels, are school-leaving qualifications offered by many international and secondary schools. It is typically a two-year programme. In Year 12, students take the Advanced Subsidiary (AS) Level examinations, which can either be a standalone qualification or count towards the full A-Level. In Year 13, students complete the A2 examinations, which, when combined with AS results, make up the full A-Level qualification.

Before commencing A-Level study, students take Year 11 examinations (age 15-16) known as the International General Certificate of Secondary Education (IGCSE) in a range of subjects (minimum 5 credits).

A-LEVEL OPTIONS

Subject option blocks are redesigned each year to best meet the needs of the Year 11 cohort, in order to ensure that students have the correct variety of subjects to enter university.

Students will study 4 examined subjects, and also be timetabled for the non-examined subjects of PE and PSHE. They can choose any four from the option blocks below, one subject per block:

AS			
Block 1	**Block 2**	**Block 3**	**Block 4**
Biology	Chemistry	Physics	Maths
Economics	Business	Art	English Language
Comp. Sci.		IT	Psychology

We expect students to take external AS examinations in all of their chosen subjects, though some may decide against sitting a particular exam at the end of Year 12. However, we would like to make clear that ALL subjects are considered essential components of the academic programme, and students are expected to fully engage in lessons, coursework, and class activities throughout the course. "Dropping" subjects in Year 12 is not an option.

At this stage, students are likely to have a clear idea about their university and career aspirations. It is also essential to check the entry requirements for their chosen universities and their programmes in order to make appropriate choices for their future. However, if you are unsure about which subjects to choose, on the next page are some recommendations based on different career paths.

SUBJECT OPTION COMBINATIONS

Possible subject choices for a student aiming to study **the arts** are:

- **Block 1:** Computer Science
- **Block 2:** Economics
- **Block 3:** Art and Design
- **Block 4:** Psychology

Art and Design is the core subject for developing creative and technical skills. Computer Science supports digital art and design. Economics helps with the business aspects of the art industry. Psychology provides insight into human emotions, aesthetics, and audience engagement.

Possible subject choices for a student aiming to study **computer science** are:

- **Block 1:** Computer Science
- **Block 2:** Economics
- **Block 3:** Physics
- **Block 4:** Maths

Computer Science is the core subject. Maths is crucial for algorithms and computational thinking. Physics enhances problem-solving and logical reasoning. Economics provides an understanding of business and finance, which is valuable in tech entrepreneurship and industry applications.

Possible subject choices for a student aiming to study **engineering** are:

- **Block 1:** Computer Science
- **Block 2:** Chemistry
- **Block 3:** Physics
- **Block 4:** Maths

Maths and Physics are fundamental for all engineering disciplines. Chemistry is useful for materials, chemical, and environmental engineering. Computer Science is valuable for automation, simulations, and modern engineering tools.

SUBJECT OPTION COMBINATIONS

Possible subject choices for a student aiming to study **medicine** are:

- Block 1: Biology
- Block 2: Chemistry
- Block 3: Physics
- Block 4: Maths

Biology and Chemistry are essential for understanding human anatomy, physiology, and biochemistry. Physics helps with medical imagng and biomechanics. Maths supports problem-solving and data analysis skills, which are crucial for medical studies.

Possible subject choices for a student aiming to study **business** are:

- Block 1: Business
- Block 2: Economics
- Block 3: Art and Design
- Block 4: Maths

Business and Economics provide fundamental knowledge of markets, finance, and management. Art and Design supports modern business by developing creativity, visual communication and innovative problem-solving skills essential for branding and product development. Maths is essential for financial calculations, statistics, and economic modeling.

PERIOD ALLOCATION

Subject	No. of Lessons in a Week
PE (non-examined)	2
PSHE (non-examined)	1
Options (4)	
Biology / Business / Computer Studies	6
Chemistry / Economics	6
Physics / Art / IT	6
Mathematics / English Language / Psychology	6
Self-Study Periods	3

COURSE INFORMATION

Cambridge's internationally recognised grades follow clear guidelines on achievement standards. Cambridge International A Levels use a scale from A* to E. Cambridge International AS Levels do not include A* and are graded A to E.

Attainment grades for students who sit AS Exams in Year 12	Attainment grades for students who sit A Level Exams in Year 13
A	A*
B	A
C	B
D	C
E	D
	E

TSI DIPLOMA

For students who may find A-levels less suited to their learning style, our Diploma Programme offers an alternative route to university. The TSI Diploma course is recognised by the Thai Ministry of Education and qualifies students for entry into some Thai university programmes.

A student might choose the diploma route if they prefer a broader, skills-based curriculum. This programme focuses on GED subjects, providing a structured and supportive environment to help students achieve their academic goals. The General Education Diploma (GED) is recognised as an alternative to A-Level qualifications, especially in the U.S., Canada, and some institutions in Thailand. While this qualification may not be as widely recognised internationally, it can still support students in gaining university admission. It allows students to demonstrate their academic ability in a more flexible format, helping them pursue higher education and career opportunities.

Overview

The TSI International School Diploma Programme is designed to provide students with a comprehensive education over two academic years. The curriculum covers all subjects required for the GED exam, ensuring students build foundational knowledge in core subjects such as English, Mathematics, Science, and Social Studies. In addition, students will have access to extended curriculum subjects that contribute to career readiness, life skills, and personal development. Each day includes one free period for independent study or extracurricular activities, distributed throughout the week. The course content will look like this:

TSI DIPLOMA

Core Subjects (Required for GED Exams)

- English Language Arts (ELA): Reading Comprehension (GED); Writing & Language (Grammar & Essay Writing); Vocabulary and Literature; GED English Language Arts Preparation
- Mathematics: Basic Algebra; Geometry; GED Prep Mathematics
- Science: Life Science (Biology); Earth and Space Science; GED Science Preparation (General Science)
- Social Studies: U.S. History; Government and Civics; Geography; GED Social Studies Preparation

Extended Curriculum Subjects

- Physical Education - Physical Education class is designed to ensure students stay active and engaged throughout the week, promoting both physical well-being and overall balance in their academic routine.
- Entrepreneurial Studies - This provides students with business fundamentals and real-world applications, where they will gain practical knowledge and skills to develop, manage, and grow their own ventures.

- Arts - A creative exploration of various artistic techniques and mediums, allowing students to develop their skills and express their ideas visually.
- IT/Computer Science - Students will develop basic IT skills, digital literacy, and introductory coding to build a strong foundation for further technological learning.
- Modern Foreign Language (Chinese) - Studying Chinese opens doors to understanding a rich culture, enhances global communication skills, and provides valuable opportunities in international business and travel.

SYLLABUS OVERVIEWS

ART AND DESIGN A Level (CIE 9479)

Recommended Prerequisites: Students are advised to have an IGCSE in Art at a grade level from A* to D. TSI students will be required to submit a portfolio to demonstrate their readiness to study Art at A Level.

Reasons for studying Art: Cambridge International AS & A Level Art & Design provides opportunities for learners to develop their personal practice, enrich their understanding of key concepts and improve their practical skills in a wide range of traditional and contemporary techniques. It allows learners to explore and build on their interests. The syllabus encourages independent expression and the development of a critical, reflective practice. It is designed to accommodate a wide range of abilities, materials and resources, and allows the different skills of teachers to be fully exploited.

What you will be studying:
Fine Art: Candidates may focus on one or combine several of the following – painting, drawing, sculpture, photography, print making, mixed media experimental – assemblage/construction.
Graphic Communication: Candidates may focus on one or combine several of the following – illustration, print making, packaging design, branding, advertising, signage, typography.
Textiles and fashion: Candidates may focus on one or combine several of the following - fashion design and/or illustration, costume design, constructed textiles, screen printing, batik, digital-printed textiles.

How you will be assessed:

- Component 1: Coursework - 100 marks.

Candidates research, develop and realise a project from one area of study in the syllabus content. There are two parts to the coursework – a portfolio and a final outcome. Externally assessed 50% of the AS Level 25% of the A Level.

- Component 2: Externally Set Assignment - 100 marks (Final piece produced in 15 hours)

Candidates choose one starting point to develop into a personal response. There are two parts to the assignment – supporting studies, created during the preparation period and a final outcome, produced during a supervised test of 15 hours' total duration. Externally assessed 50% of the AS Level, 25% of the A Level.

- Component 3: Personal Investigation - 100 marks (weighted to 200 marks)

Candidates investigate a theme, idea, concept or process that is personal to them. There are two parts to the investigation: practical work and written analysis (1000–1500 words). The practical work and written analysis must form an integrated submission. Externally assessed 50% of the A Level

BIOLOGY A Level (CIE 9700)

Recommended Prerequisites: Students are advised to have an IGCSE in Biology at a grade level from A* to D.

Reasons for studying Biology: Cambridge International AS and A Level Biology builds on the skills acquired at Cambridge IGCSE (or equivalent) level. The syllabus includes the main theoretical concepts which are fundamental to the subject, a section on some current applications of biology, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination.

The emphasis throughout is on the understanding of concepts and the application of biology ideas in novel contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills which are transferable to any future career path. Cambridge International AS and A Level Biology is ideal for learners who want to study biology or want to build a strong analytical view of complex systems or to follow a career in science/medicine.

What you will be studying:

During AS Level Biology, students will study the topics below:	*During A Level Biology, students will study the AS topics and the topics below:*
1. Cell structure	12. Energy and respiration
2. Biological molecules	13. Photosynthesis
3. Enzymes	14. Homeostasis
4. Cell membranes and transport	15. Control and co-ordination
5. The mitotic cell cycle	16. Inherited change
6. Nucleic acids and protein synthesis	17. Selection and evolution
7. Transport in plants	18. Biodiversity, classification & conservation
8. Transport in mammals	19. Genetic technology
9. Gas exchange and smoking	
10. Infectious disease	
11. Immunity	

** All candidates study practical skills*

How you will be assessed:

AS:

- Paper 1: Multiple Choice - 40 marks (1 hour 15 minutes)

Questions are based on the AS Level syllabus content. Externally assessed 31% of the AS Level 15.5% of the A Level.

- Paper 2: AS Level Structured Questions - 60 marks (1 hour 15 minutes)

Questions are based on the AS Level syllabus content. Externally assessed 46% of the AS Level 23% of the A Level.

- Paper 3: Advanced Practical Skills - 40 marks (2 hours)

Questions are based on the practical skills in the Practical assessment section of the syllabus. The context of the questions may be outside the syllabus content. Externally assessed 23% of the AS Level 11.5% of the A Level.

A2:

- Paper 4: A Level Structured Questions - 100 marks / Structured questions (2 hours)

Questions are based on the A Level syllabus content; knowledge of material from the AS Level syllabus content will be required. Externally assessed 38.5% of the A Level.

- Paper 5: Planning, Analysis and Evaluation - 30 marks (1 hour 15 minutes)

Questions are based on the practical skills of planning, analysis and evaluation. The context of the questions may be outside the syllabus content. Externally assessed 11.5% of the A Level.

BUSINESS STUDIES A LEVEL (CIE 9609)

Recommended Prerequisites: Students are advised to have an IGCSE at Grade D or above in IGCSE Business Studies to qualify for this course.

Reasons for studying Business Studies: Studying Business Studies helps students understand the role and impact of businesses in local and global economies, how organisations operate and add value, and how stakeholders and external factors influence decision-making. It also develops essential skills such as analysis, problem-solving, decision-making, and communication, preparing students for further study and careers in business.

What you will be studying:
Students will study the latest Business Studies course from CAIE:

Themes	AS Level Topic Areas	A Level Topic Areas
1. Business and its Environment	• Enterprise • Business structure • Size of business • Business objectives • Stakeholders in a business	• External influences of business activity • Business strategy
2. Human Resource Management	• Management and leadership • Motivation • Management	• Organisational structure • Business Communication • Leadership • Human resource strategy
3. Marketing	• Nature of Marketing • Market research • The marketing mix	• Marketing analysis • Marketing strategy
4. Operations Management	• Nature of operations • Inventory management • Capacity utilisation and outsourcing	• Location and scale • Quality Management • Operations strategy
5. Finance and Accounting	• Business Finance • Sources of finance • Forecasting and managing cash flows • Costs • Accounting fundamentals	• Financial statements • Analysis of published accounts • Investment appraisal • Finance and accounting strategy

How you will be assessed:
AS Business

- Paper 1 - Business Concepts 1 - 1 hr 15 mins (40 marks)

Section A: four short answer questions. There are two parts to the first three questions. Section B: one essay from a choice of two. There are two parts to each essay.

- Paper 2 - Business Concepts 2 - 1 hr 30 mins (60 marks)

Two data response questions. There are six parts to each question.

A2/AL Business

- Paper 3 - Business Decision-Making - 1 hr 45 mins (60 marks)

Five questions based on a case study. There are three parts to Question 3 and two parts to Question 4.

- Paper 4 - Business Strategy- 1 hr 55 mins (40 marks)

Two essay questions based on a case study.

CHEMISTRY A Level (CIE 9701)

Recommended Prerequisites: Students are advised to have an IGCSE in Chemistry at a grade level from A* to D.

Reasons for studying Chemistry: Cambridge International AS and A Level Chemistry builds on the skills acquired at Cambridge IGCSE (or equivalent) level. The course includes the combination of theoretical concepts which are fundamental to this subject, current applications of chemistry in the world and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination.

The emphasis throughout this course is on progressing from understanding the concepts in Chemistry, apply chemistry ideas in novel contexts and then acquiring a strong knowledge of Chemistry. Throughout this course in Chemistry students are exposed to learning Chemistry that stimulates creative thinking and problem-solving skills, which are transferable to any future career path. Cambridge International AS and A Level Chemistry course is ideal for learners who would love to further their studies in chemistry or pursue a career in science/medicine.

What you will be studying:

Physical Chemistry	Inorganic Chemistry	Organic Chemistry and Analysis
1. Atoms, molecules and stoichiometry 2. Atomic structure 3. Chemical bonding 4. States of matter 5. Chemical energetics 6. Electrochemistry 7. Equilibria 8. Reaction kinetics	9. The Periodic Table: chemical periodicity 10. Group 2 11. Group 17 12. An introduction to the chemistry of transition elements 13. Nitrogen and Sulfur	14. An introduction to organic chemistry 15. Hydrocarbons 16. Halogen derivatives 17. Hydroxy compounds 18. Carbonyl compounds 19. Carboxylic acids and derivatives 20. Nitrogen compounds 21. Polymerisation 22. Analytical techniques 23. Organic synthesis

** All candidates study practical skills.*

How you will be assessed:

AS:

- Paper 1: Multiple Choice - 40 marks / 40 multiple-Choice Questions (1 hour 15 minutes)

Externally assessed 31% of the AS Level 15.5% of the A Level.

- Paper 2: AS Level Structured Questions - 60 marks / Structured questions (1 hour 15 minutes)

Externally assessed 46% of the AS Level 23% of the A Level.

- Paper 3: Advanced Practical Skills - 40 marks / Practical work and structured questions (2 hours) Questions are based on the practical skills in the Practical assessment section of the syllabus. The context of the questions may be outside the syllabus content. Externally assessed 23% of the AS Level 11.5% of the A Level.

A2:

- Paper 4: A Level Structured Questions - 100 marks / Structured questions (2 hours)

Externally assessed 38.5% of the A Level.

- Paper 5: Planning, Analysis and Evaluation - 30 marks (1 hour 15 minutes)

Externally assessed 11.5% of the A Level.

COMPUTER SCIENCE A Level (CIE 9618)

Recommended Prerequisites: Students are advised to have an IGCSE in Computer Science at a grade level from A* to D.

Reasons for studying Computer Science:

Students should take this course because it covers essential areas of computer science that are crucial for their understanding and future success. The course delves into computational thinking, teaching students fundamental skills like abstraction, decomposition, and algorithmic thinking to solve problems using various technologies and programming languages. It also explores different programming paradigms, helping students understand the diverse styles and approaches suited for unique functions and scenarios. Communication is another key focus, emphasising the ability to transfer data within computer systems and across the internet. The course also covers computer architecture and hardware, providing insights into how components like the CPU and memory work together to create functional systems. Finally, students will learn about data representation and structures, gaining an understanding of binary numbers and efficient data organization for programming. By mastering these key concepts, students will be well-prepared for higher education and careers in computer science.

What you will be studying:

Section	Topics
Theory Fundamentals	1.1 Information representation 1.2 Communication 1.3 Hardware 1.4 Processor fundamentals 1.5 System software 1.6 Security, privacy and data integrity 1.7 Ethics and ownership 1.8 Databases
Fundamental Problem-Solving and Programming	2.1 Algorithm design and problem-solving 2.2 Data types and structures 2.3 Programming 2.4 Software development
Advanced Theory	3.1 Data representation 3.2 Communication and Internet technologies 3.3 Hardware and virtual machines 3.4 System software 3.5 Security 3.6 Artificial Intelligence
Further Problem-solving and Programming Skills	4.1 Computational thinking and problem-solving 4.2 Further programming

How you will be assessed:

AS

- Paper 1 Theory Fundamentals (1 hour 30 mins)
- Paper 2 Fundamental Problem-solving and Programming Skills (2 hours)

A2

- Paper 3 Advanced Theory (1 hour 30 mins)
- Paper 4 Practical - programming on computer (2 hours 30 mins)

ECONOMICS A Level (CIE 9708)

Recommended Prerequisites: Students are advised to have an IGCSE in Economics at a grade level from A* to D.

Reasons for studying Economics: Studying Economics is considered by many to be essential as a part of understanding business and global changes in the economy and helping to create global leaders with substance. Cambridge International AS and A Level Economics encourages learners to explore the subject in depth. The syllabus has been designed, in consultation with teachers and universities, to help learners develop not only subject knowledge, but also a strong understanding of some of the key concepts that are critical to mastering the subject. Cambridge learners develop the ability to explain, evaluate and analyse economic issues and arguments. They gain lifelong skills and a solid foundation for further study and it is equally suitable as part of a course of general education.

What you will be studying:

- Unit 1: Basic economic ideas and resource allocation
- Unit 2: The price system and the micro economy
- Unit 3: Government microeconomic intervention
- Unit 4: The macro economy
- Unit 5: Globalization and government macro intervention

How you will be assessed:

Component	Weighting	
	AS Level	A Level
Paper 1 Multiple Choice **1 hour** 30 multiple choice questions based on the AS Level syllabus content 30 marks	40%	20%
Paper 2 Data Response and Essay **1 hour 30 minutes** Section A: one data response question (20 marks) Section B: one structured essay from a choice of three (20 marks) Based on the AS Level syllabus content 40 marks	30% 30%	15% 15%
Paper 3 Multiple Choice **1 hour 15 minutes** 30 multiple choice questions based on the A Level syllabus content 30 marks		15%
Paper 4 Data Response and Essays **2 hours 15 minutes** Section A: one data response question (20 marks) Section B: two essays from a choice of six (50 marks) Based on the A Level syllabus content 70 marks		10% 25%

ENGLISH LANGUAGE (CIE 9093)

Recommended Prerequisites: Students are advised to have an IGCSE in English as a First Language at a grade level from A* to D.

Reasons for studying English Language: Cambridge International AS Level English Language develops a set of transferable skills. These include critical analysis, constructing arguments, presenting knowledge and understanding, and writing English in a balanced, articulate and fluent manner. Learners can apply these skills across a wide range of subjects and real-world situations. These skills will also equip them well for progression to higher education or directly into employment.

What you will be studying:

- **Reading:** Learners are encouraged to read widely throughout their programme of study, continually deepening their appreciation of an increasingly rich array of reading material. They should develop an intimate knowledge and understanding of the conventions and discourses associated with a diverse range of genres, styles and contexts. Furthermore, learners should continue to cultivate their personal relationship with reading, enabling them to respond reflectively, analytically, discursively and creatively, as is appropriate to the task or context.
- **Writing:** Using their reading as inspiration, learners should explore and experiment with a similarly extensive variety of genres, styles and contexts in their writing. In addition to refining their ability to express themselves with precision and clarity of purpose, learners should become increasingly reflective writers, capable of adapting the style of their writing to fit a diverse range of forms, audiences, purposes and contexts. The knowledge and understanding that candidates are required to demonstrate in Paper 2 is the same as is covered in Paper 1.

How you will be assessed:

AS Level

- **Paper 1:** Reading - two compulsory questions / 50% of the AS Level (2 hours 15 minutes)
- **Paper 2:** Writing - one compulsory question and one question from a choice of three / 50% of the AS Level (2 hours)

A2 Level

- **Paper 3:** Text Analysis – two compulsory questions / 50% of the A Level (2 hours 15 minutes)
- **Paper 4:** Language Topics – two compulsory questions from a choice of three topic areas / 50% of the A Level (2 hours 15 minutes)

INFORMATION TECHNOLOGY A Level (CIE 9626)

Recommended Prerequisites: Students are advised to have an IGCSE in Computer Science or ICT at a grade level from A* to D.

Reasons for studying Information Technology: The Cambridge International AS & A Level Information Technology course allows learners to become effective and discerning users of IT. The course enables students to develop a broad range of IT skills. It also helps them gain an understanding of the parts, use, and applications of IT systems within a range of organizations, including the use of networking technology. The course fosters an understanding of how IT systems affect society in general. It also allows students to develop a broad knowledge of the use of IT in workplace situations and the potential risks. The course also aims to enable students to be aware of new and emerging technologies and apply their knowledge and understanding of IT to solve problems. Students develop skills in areas such as spreadsheets, modelling, database and file concepts, and video and audio editing, as well as A Level topics including data analysis and visualisation, mail merge, graphics creation, animation, and programming for the web

What you will be studying:

Section	Topics
AS Level Theory Topics	Data processing and information Hardware and software Monitoring and control Algorithms and flowcharts eSecurity The digital divide Expert systems
AS Level Practical Topics	Spreadsheets Modelling Database and file concepts Video and audio editing
A Level Theory Topics	IT in society New and emerging technologies Communications technology Project management System life cycle
A Level Practical Topics	Data analysis and visualisation Mail merge Graphics creation Animation Programming for the web

How you will be assessed:

AS

- Paper 1 Theory (1 hour 45 mins)
- Paper 2 Practical - assessed on the computer (2 hours 30 mins)

A2

- Paper 3 Advanced Theory (1 hour 45 mins)
- Paper 4 Advanced Practical - assessed on the computer (2 hours 30 mins)

MATHEMATICS A Level (CIE 9709)

Recommended Prerequisites: Students are advised to have an IGCSE in Extended Mathematics at a grade level from A* to D.

Reasons for studying Mathematics:

Cambridge International AS & A Level Mathematics develops a set of transferable skills. These include the skill of working with mathematical information, as well as the ability to think logically and independently, consider accuracy, model situations mathematically, analyse results and reflect on findings. Learners can apply these skills across a wide range of subjects and the skills equip them well for progression to higher education or directly into employment.

What you will be studying:

AS Level Topics	A Level Topics
Pure Mathematics 1 (Paper 1) • 1.1 Quadratics • 1.2 Functions • 1.3 Coordinate geometry • 1.4 Circular measure • 1.5 Trigonometry • 1.6 Series • 1.7 Differentiation • 1.8 Integration **Probability & Statistics 1 (Paper 5)** • 5.1 Representation of data • 5.2 Permutations and combinations • 5.3 Probability • 5.4 Discrete random variables • 5.5 The normal distribution	**Pure Mathematics 3 (Paper 3)** • 3.1 Algebra • 3.2 Logarithmic and exponential functions • 3.3 Trigonometry • 3.4 Differentiation • 3.5 Integration • 3.6 Numerical solution of equations • 3.7 Vectors • 3.8 Differential equations • 3.9 Complex numbers **Probability & Statistics 2 (Paper 6)** • 6.1 The Poisson distribution • 6.2 Linear combinations of random variables • 6.3 Continuous random variables • 6.4 Sampling and estimation • 6.5 Hypothesis tests

How you will be assessed:

Pure Mathematics 1	Pure Mathematics 3
• 1 hour 50 minutes • 75 marks • Written examination • Externally assessed • 60% of the AS Level • 30% of the A Level • Compulsory for AS Level and A Level	• 1 hour 50 minutes • 75 marks • Written examination • Externally assessed • 30% of the A Level only • Compulsory for A Level
Probability & Statistics 1	**Probability & Statistics 2**
• 1 hour 15 minutes • 50 marks • Written examination • Externally assessed • 40% of the AS Level • 20% of the A Level • Compulsory for A Level	• 1 hour 15 minutes • 50 marks • Written examination • Externally assessed 20% of the A Level • Compulsory for A Level

PHYSICS A Level (CIE 9702)

Recommended Prerequisites: Students are advised to have an IGCSE in Physics at a grade level from A* to D.

Reasons for studying Physics: Cambridge International AS and A Level Physics builds on the skills acquired at Cambridge IGCSE (or equivalent) level. The syllabus includes the main theoretical concepts which are fundamental to the subject, a section on some current applications of physics, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination.
The emphasis throughout is on the understanding of concepts and the application of physics ideas in novel contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills which are transferable to any future career path. Cambridge International AS and A Level Physics is ideal for learners who want to study physics or to follow a career in science/engineering. The syllabus from 2022 also has an increased emphasis on the study and application of physics in medical settings, making it an excellent choice for those wishing to pursue a career in the field of medicine.

What you will be studying:

AS Level Topics	A Level Topics
• Physical quantities and units • Measurement techniques • Kinematics • Dynamics • Forces, density and pressure • Work, energy and power • Deformation of solids • Waves • Superposition • Current of electricity • D.C. circuits • Particle and nuclear physics	• Motion in a circle • Gravitational fields • Ideal gases • Temperature • Thermal properties of materials • Oscillations • Astronomy and Cosmology • Capacitance • Medical physics • Magnetic and electric fields • Electromagnetic induction • Alternating currents • Quantum physics

** All candidates study practical skills.*

How you will be assessed:

AS:

- Paper 1: Multiple Choice - 40 marks (1 hour 15 minutes) Externally assessed 31% of the AS Level 15.5% of the A Level.
- Paper 2: AS Level Structured Questions - 60 marks (1 hour 15 minutes) Externally assessed 46% of the AS Level 23% of the A Level.
- Paper 3: Advanced Practical Skills - 40 marks / Practical work and structured questions (2 hours) Questions are based on the practical skills in the Practical assessment section of the syllabus. The context of the questions may be outside the syllabus content. Externally assessed 23% of the AS Level 11.5% of the A Level.

A2:

- Paper 4: A Level Structured Questions - 100 marks (2 hours) Externally assessed 38.5% of the A Level
- Paper 5: Planning, Analysis and Evaluation - 30 marks (1 hour 15 minutes) Questions are based on the practical skills of planning, analysis and evaluation. The context of the questions may be outside the syllabus content. Externally assessed 11.5% of the A Level

PSYCHOLOGY A Level (CIE 9990)

Recommended Prerequisites: Students are advised to have an IGCSE in Psychology at a grade level from A* to D.

Reasons for studying Psychology: Cambridge International A Level Psychology provides a suitable foundation for the study of Psychology or related courses in higher education. Equally it is suitable for learners intending to pursue careers or further study in social sciences, or as part of a course of general education. Cambridge International AS Level Psychology constitutes the first half of the Cambridge International A Level course in Psychology and therefore provides a suitable foundation for the study of Psychology at Cambridge International A Level. Depending on local university entrance requirements, it may permit or assist progression directly to university courses in Psychology or some other subjects. It is also suitable for learners intending to pursue any career in which an understanding of human nature is needed. The qualification is also suitable for any further study in social sciences, or as part of a course of general education.

What you will be studying: Cambridge International AS and A Level Psychology introduces key approaches, issues and debates, as well as the research methods that underpin all areas of psychology.
At AS Level, candidates study 12 core studies, covering a range of research methods including experiments, observations, self-reports and case studies. This develops an understanding of how and why psychologists investigate human behaviour and experience.
At A Level, candidates study the AS content plus two specialist options from:

- Abnormality – definitions, causes and treatments of mental disorders
- Consumer behaviour – buyer behaviour and consumer environments
- Health – topics such as pain and stress
- Organisations – behaviour in the workplace and organisational dynamics

Each specialist option is balanced and equivalent in content and demand. Original studies are referenced for teachers, but candidates are not required to read the full original publications.

How you will be assessed:

Component	Weighting	
	AS Level	A Level
Paper 1 Approaches, issues and debates **1 hour 30 minutes** Candidates answer **all** questions. Short answer questions and an essay question, based on core studies. Candidates answer each question in the spaces provided on the question paper. 60 marks	50%	25%
Paper 2 Research methods **1 hour 30 minutes** Candidates answer **all** questions. Section A: Short answer questions, some based on the core studies (22 marks). Section B: Scenario-based questions (24 marks). Section C: A design-based question divided into two parts (14 marks). Candidates answer each question in the spaces provided on the question paper. 60 marks	50%	25%
Paper 3 Specialist options: theory **1 hour 30 minutes** Candidates answer **two** questions from **two** specialist options. Each specialist option is out of 30 marks. Question 1: The question is divided into three parts (12 marks). Question 2: Structured essay-based question divided into two parts (18 marks). 60 marks	–	25%

Mr Nick
11N HR Teacher

Ms Vicky
11V HR Teacher

Ms Michelle
Deputy Principal

Mr Adam
Principal

Ms Dora
School Counsellor

YEAR 11 SUPPORT TEAM

Students will submit their AS/ A Level option choices via this link:

https://forms.gle/UcxJx92dNtD6qorz8

This link has also been emailed to all parents.

DEADLINE: MONDAY 23rd March