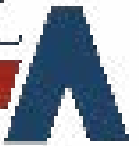


THE ARDEE SCHOOL

BE THE CHANGE



CAMBRIDGE

International Examinations

Cambridge International School

A / AS Levels  
2023-2024



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## President's Message



**Chanda  
Raisinghani**

**Trustee & President**

The Ardee Schools began in 2003, committed to nurturing children in the formative years under the precincts of the internationally tried and tested Montessori Method. We began with a teacher training center, guiding the teachers to direct and facilitate children towards self-learning and auto education, thereby becoming imaginative and independent learners.

It was but natural that when it came to the primary and secondary years, we chose the Cambridge board, as Montessori lays the foundation of the Cambridge learner profile. The Ardeesians' transition into the Cambridge provision of skills of responsibility, reflective thinking, innovation, confidence and engaged learning is very smooth and the international education of the Montessori and Cambridge programme leads the students seamlessly from pre-primary, primary through secondary and pre-university years.

The hallmarks of Montessori and Cambridge ensure that our students learn to think critically, work collaboratively, and act boldly - a skill set required for the 21st century.

At Ardee, learning is an "Education for Life". Our students join us at 18 months in the mother toddler programme in our junior schools and are 18-year-old young graduates when they pass out from The Ardee School. These are the young people who I am sure will make a defining mark in the new world of tomorrow and be the next generation leaders.



## Head Of Secondary (New Delhi)



**Mandeera  
Bora**

**Head Of Secondary**

**The Ardee School  
New Delhi**

Nelson Mandela's words that "Education is the most powerful weapon which you can use to change the world" resonates with the Ardee motto : "Be the change" On its inception in 2017 ,The Ardee School, New Delhi embraced the Cambridge curriculum which is challenging and inspiring, along with being culturally sensitive yet international in approach.

The curriculum with over 70 subjects at Cambridge IGCSE level and over 55 subjects at Cambridge International AS & A Level is valued for its flexibility. At Ardee ,as students develop higher order thinking skills of problem solving, critical thinking, independent research and collaboration, not only is a global standard of education ensured but our students develop an informed curiosity and become learners for life.

The alignment of Cambridge standards across the various key stages ensures a smooth transition from Lower Secondary ( year group 6 to 8 ) to the Upper Secondary ( year group 9 & 10 ) and finally to the Cambridge Advanced level ( year group 11 & 12 ) .

At Ardee, each learner is supported to develop the Cambridge learner's attributes and become proficient in developing their knowledge, understanding and skills through in-depth subject content, evaluating information sources, work independently & finally presenting ordered and coherent arguments and explanation.

The journey to become a global citizen is supported at The Ardee School with students making informed choices regarding their subjects and being encouraged to take on the onus of their own learning. The Cambridge Checkpoint at year 5 & year 8, and Cambridge CEM assessments ensure that our students' learning is aligned to Cambridge standards. In addition, in-house programmes like IGCSE skill workshop sessions, portfolio building and tracking, exam readiness preparation, College Bridge programme for year 9-12 students, psychometric assessments, and individual subject counseling, to name a few, ensure that students are meeting the international standards of education.

The Association of Indian Universities (AIU), the organization that awards equivalence to foreign degrees in India, has granted equivalence to Cambridge International A Levels and Cambridge IGCSE. At Ardee , A level students who are seeking admission at Indian universities take the Cambridge examination in the March series and receive their results by mid May. Their applications at various Indian universities are supported by grade equivalent marks and documentation shared by Cambridge.

With all UK universities and over 850 universities in the US formally accepting Cambridge International AS & A Levels (including all Ivy League and Ivy Plus universities), we support our students in bringing out the best in them and to step into the world to 'Be the Change'.

## Head Of School (Gurugram)



Vibha  
Gupta

Head of School  
The Ardee School  
Gurugram

Welcome to the AS and A level/ Cambridge Advanced level programme at Key Stage 5 in Years 11 and 12. Advanced subsidiary level (AS level) is an independent qualification encompassing the first year of an A-level qualification. At the end of Key Stage, four students get the opportunity to further streamline subjects as per their interest and aptitude to study over the next two years. Students are encouraged to make informed choices enabled by in-house career counselling sessions. While impending freedom in university is always exciting, the importance of subject choices should be kept in mind in future qualifications and careers.

Key Stage 5 offers students a strong programme of instruction and discovery of an education that gives them the skills they need for life, helping them achieve at school, university and work and preparing them to be productive members of society. Furthermore, the programme recognizes that everyone is unique and therefore encourages independence of thought, through the analysis of a wide range of issues and emerges as the problem solver. The importance of strong communication skills is also recognized. Furthermore, students also learn -To handle and evaluate different types of information sources, think logically and present ordered and coherent arguments, make judgments, recommendations, and decisions, present reasoned explanations, understand implications, and communicate them logically and clearly. In addition, it provides a strong foundation for university education and readiness to explore the world.

AS and A level endorsed by Cambridge International Examinations; UK is an established international programme. Advanced Cambridge qualifications are recognized by universities and employers worldwide. This booklet contains a summary of all the AS/A level courses offered at The Ardee group of schools, details of the subjects, modes of assessments, recommended resources, and final examinations. We expect that in Key Stage 5, we as supportive adults will be able to give wings to the aspirations of our students and help them fulfill their potential.

## Head Of School (Goa)



Kripa  
Desai

Head Of School  
The Ardee School  
Goa

As Robert Frost said in his poem The Road Not Taken, "Two roads diverged in a wood and I took the one less travelled by, and that has made all the difference..." Our kids are educated not to be frightened of taking unconventional pathways, and that if a passion is genuine, everything is possible. "Be the change"

It's overwhelming nowadays with so many various career choices and prospects that the Youth are confused of travelling down "The Road Not Taken". They are afraid to leave their comfort zones and smash down the barriers of mediocrity. Ardee instils in them the courage to pursue their passions and aspirations. We shall continue to do so until they learn to stand on their own.

The Ardee School has held a variety of College Bridging programmes in partnership with Ansal University for many years. Every year, our 9th through 12th grade students explore a particular stream of subjects at the college. The programmes are conducted by college tutors in a college-like setting. Students acquire a sense of what studying that topic requires and learn the fundamentals. Students get the opportunity to reflect on their likes and dislikes on a deeper level. They will discover where their hearts are. Our most recent programmes have been on Art and Architecture, as well as Technology and the Internet of Things (IoT). One of our alumni who attended the Technology programme while studying for his A levels developed a passion for machines and went on to study Aeronautical Engineering at the University of Bristol in the United Kingdom. The goal of these one-of-a-kind workshops is to awaken our resting tigers and empower them to chase their ambition. To reassure them that their decisions are correct and that they should never look back.

Our students are kept up to speed on the changes in their career options by the College guidance counsellors at Ardee. When students begin discussing and planning for their future from an early level of IGCSE, there is no mountain too high to climb. What distinguishes Ardee is the assistance it provides to students who are unsure about what professional path they should choose. A series of certified psychometric tests, Education talks by industry professionals, etc. help the child in navigating their way and determining who they want to be. At A levels, the students are more decisive and are guided through their college applications, LOR and choosing the right career path.

Ardee has always accommodated and supported our students, no matter who they decide to be. We make sure they have all the resources and opportunities they need to attain their goals. We teach our pupils that it is good to stumble and make mistakes because we have your back and can prepare you for the world outside where you must pick yourself up. The Ardee School is a family that will always support your growth.





**Kaustubh  
Kaushik**

**School Student  
Counsellor**

## Counsellor's message

Greetings from the counsellor's desk.

When selecting courses for higher studies, we find that the students, their parents, and their mentors are at a critical juncture in making an important decision. But in my experience, I have seen that the communication between all the stakeholders gets the foundation of the student's journey established right. The shaping up of a student's career begins with the initial subjects of their choice, coupled with a variety of essential activities such as sports, extra curriculum, projects, volunteer ship, and in like manner. Each student possesses a unique character; to shape that, students need the guidance of mentors and counsellors. These days life is becoming full of challenges, and with so many career opportunities, students are getting confused and puzzled about making the right decision. Therefore, it becomes crucial for a counsellor to delve deeper into the ever-dynamic learnings and careers available to students. I believe that counseling goes further as advice, analysis, and research play a pivotal role in making the right decision for students.

In the senior school, the students at the Ardee Schools are guided to make their university and career choices at large through psychometrics and aptitude testing. The psychometric reports become the tool to open discussions with the student, their mentors, and their parents for a better understanding of the child. The students are also exposed to various kinds of global and experiential learning opportunities that help them in self-exploration and at the same time help them in building their profiles for varsity admissions. Many Seminars, Webinars, Workshops, Community service, and training sessions for students are arranged for the students at Ardee making them equipped with authentic educational and industry-relevant information while igniting their intellectual curiosity. These students in their senior years at the school are ready to experience the learnings through internship guidance and placement programs that complement their academic profiles.

I firmly believe that to be happy and prosperous adults, we must first be provided with encouragement and guidance at our educational institutions. Quality education combined with detailed guidance is the recipe for young adults to confidently step out into a world full of opportunities. At Ardee, we make this phenomenon a daily practice while having the best interest of each child in our hearts.



## Philosophy & Vision

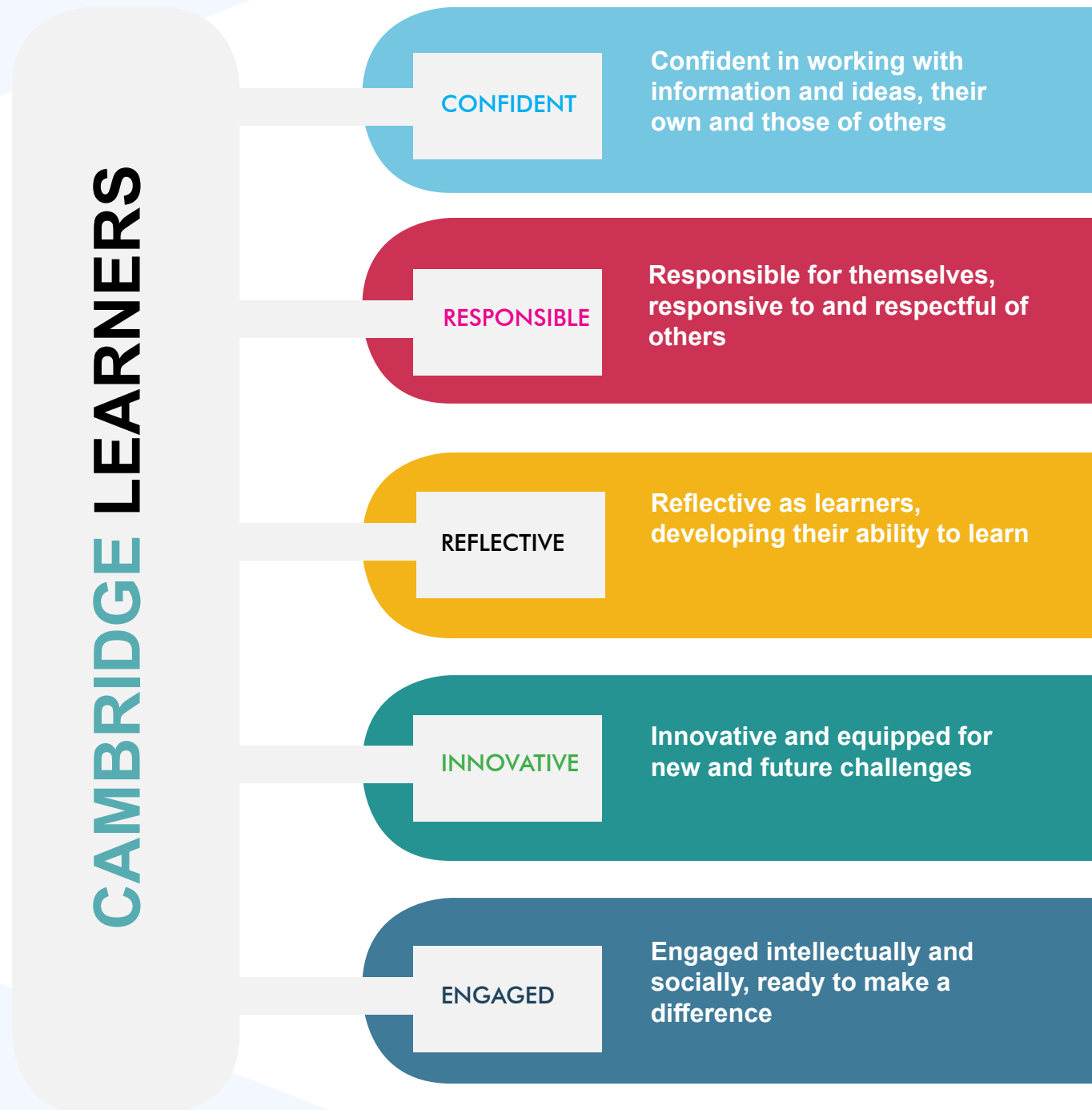
Our philosophy 'Be the change' is drawn from Mahatma Gandhi's famous words - "*Be the change you want to see in the world.*"

### *We believe that...*

- each child is a natural learner.
- knowledge is an outcome of the child's own activity.
- the role of the school is to provide an environment of learning.
- the child constructs his own knowledge from the environment.
- every child should be treated with respect and should be allowed to work at his/ her own pace.
- the inherent potential of every child needs to be nurtured.
- every child has a right to learn in a safe environment free of prejudice.
- every child has a responsibility to contribute to there being peace and harmony in the world.
- every child has a responsibility to protect and preserve the environment of our planet.

### *We are committed to...*

- providing an environment for exploration that goes beyond the confines of the conventional classrooms.
- inculcating in each child the spirit to celebrate success and learn from failure.
- opening avenues for every child to use the world as the classroom and be enriched in experiences and appreciate diversity.
- creating an environment where the child can rightly intermingle theory with experience and intuition.
- building in each child the power to make independent decisions.
- making each child an independent learner who is ethically and environmentally aware.
- equipping each child to stand up for the right and dare to be the change.



# Cambridge A levels

Thousands of learners worldwide gain places at leading universities every year with Cambridge International AS & A Levels. The syllabus develops a deep understanding of subjects and independent thinking skills.

The syllabus prepares learners for university study, which is why universities worldwide value and recognise Cambridge International AS & A Level qualifications.

Cambridge International AS & A Level develops learners knowledge, understanding and skills in:

- In-depth subject content
- Independent thinking
- Applying knowledge and understanding to new as well as familiar situations
- Handling and evaluating different types of information source
- Thinking logically and presenting ordered and coherent arguments
- Making judgements, recommendations and decisions
- Presenting reasoned explanations, understanding implications and communicating them logically and clearly
- Working and communicating in English

Cambridge International A Level is typically a two-year course, and Cambridge International AS Level is typically one year. Some subjects can be started as a Cambridge International AS Level and extended to a Cambridge International A Level.

# AS/A levels subjects offered at The Ardee School

(New Delhi | Gurugram | Goa)

Students may choose from a wide range of subjects. Students are advised to read the requirements of the school and Cambridge International Certificate of Education carefully while choosing their subject options.

Subject code	Band	AS Level	A Level
8021	Block 1	AS General English	AS General English
9980	Block 2	<b>AS International Project Qualification</b>	<b>AS International Project</b>
9708	Block 2	AS Economics	AL Economics
9709	Block 3	AS Mathematics	AS Mathematics
9706	Block 4	AS Accounting	AL Accounting
9702	Block 4	AS Physics	A Physics
9699	Block 4	AS Sociology	AL Sociology
9700	Block 5	AS Biology	AL Biology
9609	Block 5	AS Business	AL Business
9479	Block 5	AS Art and Design	AL Art and Design
9701	Block 6	AS Chemistry	AL Chemistry
9990	Block 6	AS Psychology	AL Psychology
9626	Block 7	AS Computer Science	AL Computer Science

\* Maximum 5 subjects including English can be taken at the AS Level. In case a student wants to do extra subject he/she may study it independently and take examination at school.

\* Atleast 5 students needed to offer a subject.



THE ARDEE SCHOOL  
NEW DELHI



THE ARDEE SCHOOL  
GURUGRAM



THE ARDEE SCHOOL  
GOA



# Subject Offered

## Accounting

### Subject Code: (9706)

Cambridge International AS and A Level Accounting will develop an understanding of how to plan, budget and manage financial resources, an ability to critically apply, analyse and evaluate accounting policies and practices, an understanding how to use accounting information to make viable business decisions and a solid foundation for further study.

### Assessment overview

For Cambridge International AS & A Level Accounting, candidates:

- take Paper 1 and 2 only (for the Cambridge International AS Level qualification) or
- follow a staged assessment route by taking Paper 1 and 2 (for the Cambridge International AS Level qualification) in one series, then paper 3 (for the Cambridge International A Level qualification) in a later series or
- take Paper 1,2 and 3 in the same examination series, leading to the full Cambridge International A Level.

All components are externally assessed.

Component	Weighting	
	AS Level	A Level
<b>Paper 1 Multiple Choice</b> <span style="float: right;">1 hour</span> 30 multiple choice questions based on the AS Level syllabus content 30 marks	28%	14%
<b>Paper 2 Fundamentals</b> <span style="float: right;">1 hour 45 minutes</span> Four structured questions on the AS Level syllabus content Externally Accessed Total 90 marks	72%	36%
<b>Paper 3 Financial Accounting</b> <span style="float: right;">3 hours</span> Three structured questions Questions are based on section 3 of the subject content; knowledge of material from the AS Level subject content is assumed. Externally assessed Total 75 marks	–	30%
<b>Paper 4 Cost and Management Accounting</b> <span style="float: right;">1 hour</span> Three structured questions Questions are based on section 4 of the subject content; knowledge of material from the AS Level subject content is assumed. Externally assessed Total 50 marks	–	20%

# Syllabus

## Accounting 9706

Topics	All candidates study these AS Level topics	A Level candidates also study these additional topics
1. Financial Accounting	<ul style="list-style-type: none"> <li>• The accounting cycle</li> <li>• Accounting for non-current assets</li> <li>• Reconciliation and verification</li> <li>• Preparation of financial statements:                             <ul style="list-style-type: none"> <li>– adjustments</li> <li>– sole traders</li> <li>– partnerships</li> <li>– limited companies</li> </ul> </li> <li>• Analysis and communication of accounting information to stakeholders</li> </ul>	<p>Preparation of financial statements:</p> <ul style="list-style-type: none"> <li>– manufacturing businesses</li> <li>– not for profit organisations</li> <li>– limited companies</li> <li>– International Accounting Standards</li> <li>– auditing and stewardship of limited companies</li> </ul> <ul style="list-style-type: none"> <li>• Business purchase and merger</li> <li>• Consignment and Joint venture accounts</li> <li>• Computerised accounting systems</li> <li>• Analysis and communication of accounting information</li> </ul>
2. Cost and management Accounting	<ul style="list-style-type: none"> <li>• Costing for materials and labour</li> <li>• Traditional costing methods:                             <ul style="list-style-type: none"> <li>– absorption costing</li> <li>– marginal costing</li> <li>– cost–volume–profit analysis</li> </ul> </li> <li>• The application of accounting to business planning</li> </ul>	<ul style="list-style-type: none"> <li>• Activity based costing (ABC)</li> <li>• Budgeting and budgetary control</li> <li>• Standard costing</li> <li>• Investment appraisal</li> </ul>



# Art and design

Subject Code: (9479)

The Cambridge International A Level Art and Design syllabus considers expression and communication. Learners gain an understanding of visual perception and aesthetic experience, and the ways in which art and design creates a language of its own.

Most of the work for this syllabus is practical or studio based, so that learners can develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression and imagination. They also learn how to relate their skills to an enhanced knowledge of their own cultures, past and present, as well as an appreciation of practical design problems.

## Assessment overview

### Component 1

#### Coursework

100 marks

Candidates research, develop and realize 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 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

### Component 2

#### Externally Set Assignment

15 hours

100 marks

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

# Syllabus

## Fine Art

Candidates may focus on one or combine several of the following:

- Painting
- Sculpture
- Printmaking
- Experimental – assemblage/construction
- Drawing
- Photography
- Mixed media

## Graphic Communication

Candidates may focus on one or combine several of the following:

- illustration
- packaging design
- advertising
- typography
- printmaking
- branding
- signage



## Three-dimensional design

Candidates may focus on one or combine several of the following:

- sculpture, ceramics
- interior and exterior architecture
- environmental design
- jewelry and fashion accessories
- product design
- interior design
- set design

# Biology

Subject Code: (9700)

Cambridge International AS and A Level Biology provide a well-designed studies of experimental and practical biological science, a worthwhile educational experience for all learners, whether or not they go on to study science beyond this level. In particular, it should enable them to become confident citizens in a technological world, with an informed interest in scientific matters, recognise the usefulness, and limitations of scientific method and its application in other subjects and in everyday life, be suitably prepared for studies in biological science beyond Cambridge International A Level, in further or higher education, and for professional courses.

## Assessment overview

Component	Weighting	
	AS Level	A Level
<b>Paper 1 Multiple Choice</b> 1 hour This paper consists of 40 multiple choice questions, all with four options. All questions will be based on the AS Level syllabus content. Candidates will answer all questions. Candidates will answer on an answer sheet. [40 marks]	31%	15.5%
<b>Paper 2 AS Level Structured Questions</b> 1 hour 15 minutes This paper consists of a variable number of questions, of variable mark value. All questions will be based on the AS Level syllabus content. Candidates will answer all questions. Candidates will answer on the question paper. [60 marks]	46%	23%
<b>Paper 3 Advanced Practical Skills</b> 2 hours This paper requires candidates to carry out practical work in timed conditions. This paper will consist of two or three experiments drawn from different areas of the AS Level syllabus. Candidates will answer all questions. Candidates will answer on the question paper. [40 marks]	23%	11.5%
<b>Paper 4 A Level Structured Questions</b> 2 hours This paper consists of a variable number of structured questions each with a variable mark value (Section A) and a choice of one free response style question worth 15 marks (Section B). All questions will be based on the A Level syllabus but may require knowledge of material first encountered in the AS Level syllabus. Candidates will answer on the question paper. [100 marks]	–	38.5%
<b>Paper 5 Planning, Analysis and Evaluation</b> 1 hour 15 minutes This paper consists of a variable number of questions of variable mark value based on the practical skills of planning, analysis and evaluation. Candidates will answer on the question paper. [30 marks]	–	11.5%

# Syllabus

Biology 9700

## AS Level syllabus Content

1. Cell structure
2. Biological Molecules
3. Enzymes
4. Cell membranes and transport
5. The mitotic cell cycle
6. Nucleic acids and protein synthesis
7. Transport in plants
8. Transport in mammals
9. Gas exchange and smoking
10. Infectious disease
11. Immunity

## A Level syllabus Content

12. Energy and Respiration
13. Photosynthesis
14. Homeostasis
15. Control and Co-ordination
16. Inherited Change
17. Selection and Evolution
18. Biodiversity, classification and conservation
19. Genetic Technology

A Level candidates also study practical studies



# Business

Subject Code: (9609)

Cambridge International AS and A Level Business will develop the capacity to analyse characteristics and activities of business organisations and how they respond to the changing demands of their environments, an understanding of how effective managers and leaders develop successful organisations in terms of customer focus and the products/services they offer, the opportunity to reflect on how successful business organisations engage in financial and accounting practices to maximise value for stakeholders value development of knowledge that relates to strategic planning and decision-making to ensure business survival, change, and sustainable success and a solid foundation for further study.

## Assessment overview

For Cambridge International AS & A Level Business, candidates:

- take Papers 1 and 2 only (for the Cambridge International AS Level qualification) or
- follow a staged assessment route by taking Papers 1 and 2 (for Cambridge International AS Level qualification) in one series, then Paper 3 (for the Cambridge International A Level qualification) in a later series or
- take Papers 1, 2 and 3 in the same examination series, leading to the full Cambridge International A Level.

All components are externally assessed.

Component	Weighting	
	AS Level	A Level
<b>Paper 1 Business concepts 1</b> 1 hour 15 minutes 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. Questions are based on the AS Level subject content. Externally assessed 40 marks	40%	20%
<b>Paper 2 Business Concepts</b> 1 hour 30 minutes Two data response questions. There are six parts to each question. Questions are based on the AS Level subject content. Externally assessed 60 marks	60%	30%
<b>Paper 3 Business Decision Making</b> 1 hour 45 minutes Five questions based on a case study. There are three parts to Question 3 and two parts to Question 4. Questions are based on the A Level subject content; knowledge of material from the AS Level subject content is assumed. Externally assessed 60 marks	-	30%

<b>Paper 3 Business Strategy</b> 1 hour 45 minutes Five questions based on a case study. There are three parts to Question 3 and two parts to Question 4. Questions are based on the A Level subject content; knowledge of material from the AS Level subject content is assumed. Externally assessed 40 marks	-	20%
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## Syllabus

### Business 9609

Topics	All candidates study these AS Level topics	A Level candidates also study these additional topics
1. Business and environment	<ul style="list-style-type: none"> <li>• Enterprise</li> <li>• Business structure</li> <li>• Size of business</li> <li>• Business objectives</li> <li>• Stakeholders in a business</li> </ul>	<ul style="list-style-type: none"> <li>• Business strategy</li> <li>• External influences on business activity</li> </ul>
2. Human Resources Management	<ul style="list-style-type: none"> <li>• Management</li> <li>• Motivation</li> <li>• Human resource management</li> </ul>	<ul style="list-style-type: none"> <li>• Organisational structure</li> <li>• Business communication</li> <li>• Leadership</li> <li>• Human Resources Management Strategy</li> </ul>
3. Marketing	<ul style="list-style-type: none"> <li>• The nature of marketing</li> <li>• Market research</li> <li>• The marketing mix</li> </ul>	<ul style="list-style-type: none"> <li>• Marketing analysis</li> <li>• Marketing Strategy</li> </ul>
4. Operations and project management	<ul style="list-style-type: none"> <li>• The nature of operations</li> <li>• Capacity utilization and outsourcing</li> <li>• Inventory management</li> </ul>	<ul style="list-style-type: none"> <li>• Location &amp; Strategy</li> <li>• Quality Management</li> <li>• Operational Strategy</li> </ul>
5. Finance and accounting	<ul style="list-style-type: none"> <li>• Business finance</li> <li>• Sources of finance</li> <li>• Forecasting &amp; Managing Cash</li> <li>• Flows</li> <li>• Costs</li> <li>• Budgets</li> </ul>	<ul style="list-style-type: none"> <li>• Financial Statement</li> <li>• Analysis of published accounts</li> <li>• Investment appraisal</li> <li>• Finance &amp; accounting Strategy</li> </ul>



# Chemistry

Subject Code: (9701)

Cambridge International AS and A Level Chemistry helps learners develop the knowledge and skills that will prepare them for successful university study. Cambridge learners also develop lifelong skills of scientific enquiry, confidence in technology, and communication and teamwork skills.

Cambridge International A Level Chemistry provides a suitable foundation for the study of chemistry or related courses in higher education. It is equally suitable for candidates intending to pursue careers or further study in the chemical sciences, or as part of a course of general education.

## Assessment overview

Component	Weighting	
	AS Level	A Level
<p><b>Paper 1 Multiple Choice</b> <span style="float: right;">1 hour</span></p> <p>This paper consists of 40 multiple choice questions, 30 of the direct choice type and 10 of the multiple completion type, all with four options. All questions will be based on the AS Level syllabus content. Candidates will answer all questions. Candidates will answer on an answer sheet. [40 marks]</p>	31%	15.5%
<p><b>Paper 2 AS Level Structured Questions</b> <span style="float: right;">1 hour 15 minutes</span></p> <p>This paper consists of a variable number of questions of variable mark value. All questions will be based on the AS Level syllabus content. Candidates will answer all questions. Candidates will answer on the question paper. [60 marks]</p>	46%	23%
<p><b>Paper 3 Advanced Practical Skills</b> <span style="float: right;">2 hours</span></p> <p>This paper requires candidates to carry out practical work in timed conditions. Candidates will be expected to collect, record and analyse data so that they can answer questions related to the activity. The paper will consist of two or three experiments drawn from different areas of chemistry. Candidates will answer all questions. Candidates will answer on the question paper. [40 marks]</p>	23%	11.5%
<p><b>Paper 4 A Level Structured Questions</b> <span style="float: right;">2 hours</span></p> <p>This paper consists of a variable number of free response style questions of variable mark value. All questions will be based on the A Level syllabus but may require knowledge of material first encountered in the AS Level syllabus. Candidates will answer all questions. Candidates will answer on the question paper. [100 marks]</p>	–	38.5%

<p><b>Paper 5 Planning, Analysis and Evaluation</b> <span style="float: right;">1 hour 15 minutes</span></p> <p>This paper consists of a variable number of questions of variable mark value based on the practical skills of planning, analysis and evaluation. The context of the questions may be outside the syllabus content, but candidates will be assessed on their practical skills of planning, analysis and evaluation rather than their knowledge of theory. Candidates will answer all questions. Candidates will answer on the question paper. [30 marks]</p>	–	11.5%
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## Syllabus

### Chemistry 9701

AS Level subject content	A Level subject content
<p>Candidates for Cambridge International AS Level Chemistry study the following topics:</p> <p><b>Physical chemistry</b></p> <ol style="list-style-type: none"> <li>1 Atomic structure</li> <li>2 Atoms, molecules and stoichiometry</li> <li>3 Chemical bonding</li> <li>4 States of matter</li> <li>5 Chemical energetics</li> <li>6 Electrochemistry</li> <li>7 Equilibria</li> <li>8 Reaction kinetics</li> </ol> <p><b>Inorganic chemistry</b></p> <ol style="list-style-type: none"> <li>9 The Periodic Table: chemical periodicity</li> <li>10 Group 2</li> <li>11 Group 17</li> <li>12 Nitrogen and sulfur</li> </ol> <p><b>Organic chemistry</b></p> <ol style="list-style-type: none"> <li>13 An introduction to AS Level organic chemistry</li> <li>14 Hydrocarbons</li> <li>15 Halogen compounds</li> <li>16 Hydroxy compounds</li> <li>17 Carbonyl compounds</li> <li>18 Carboxylic acids and derivatives</li> <li>19 Nitrogen compounds</li> <li>20 Polymerisation</li> <li>21 Organic synthesis</li> </ol> <p><b>Analysis</b></p> <ol style="list-style-type: none"> <li>22 Analytical techniques</li> </ol>	<p>Candidates for Cambridge International A Level Chemistry study the AS topics and the following topics:</p> <p><b>Physical chemistry</b></p> <ol style="list-style-type: none"> <li>23 Chemical energetics</li> <li>24 Electrochemistry</li> <li>25 Equilibria</li> <li>26 Reaction kinetics</li> </ol> <p><b>Inorganic chemistry</b></p> <ol style="list-style-type: none"> <li>27 Group 2</li> <li>28 Chemistry of transition elements</li> </ol> <p><b>Organic chemistry</b></p> <ol style="list-style-type: none"> <li>29 An introduction to A Level organic chemistry</li> <li>30 Hydrocarbons</li> <li>31 Halogen compounds</li> <li>32 Hydroxy compounds</li> <li>33 Carboxylic acids and derivatives</li> <li>34 Nitrogen compounds</li> <li>35 Polymerisation</li> <li>36 Organic synthesis</li> </ol> <p><b>Analysis</b></p> <ol style="list-style-type: none"> <li>37 Analytical techniques</li> </ol> <p>A Level candidates also study practical skills. ■ ■ ■</p>



## Computer Science (9608)

### New (9618) From 2021

Computer Science is designed to give greater flexibility both to teachers and to learners. It is envisaged that learners will use the skills and knowledge of computer science acquired through this course in one of three ways to provide a general understanding and perspective of the development of computer technology and systems, which will inform their decisions and support their participation in an increasingly technologically dependent society, to provide the necessary skills and knowledge to seek employment in areas that use computer science, to develop their knowledge and understanding of computer science through entry to higher education, where this qualification will provide a useful foundation for further study of computer science or more specialist aspects of computer science.

### Assessment overview

For Cambridge International AS and A Level Computer Science, candidates may choose:

- to take Papers 1, 2, 3 and 4 in the same examination series, leading to the full Cambridge International A Level
- to follow a staged assessment route by taking Papers 1 and 2 (for the AS Level qualification) in one series, then Papers 3 and 4 (for the full Cambridge International A Level) in a later series
- to take Papers 1 and 2 only (for the AS Level qualification).

Component	Weighting (%)	
	AS Level	A Level
<b>Paper 1 Theory Fundamentals</b> This written paper contains short-answer and structured questions. There is no choice of questions. 75 marks Externally assessed 1 hour 30 minutes	50	25
<b>Paper 2 Fundamental Problem-solving and Programming Skills</b> This written paper contains short-answer and structured questions. There is no choice of questions. Topics will include those given in the pre-release material. <sup>1</sup> 75 marks Externally assessed 2 hours	50	25
<b>Paper 3 Advanced Theory</b> This written paper contains short-answer and structured questions. There is no choice of questions. 75 marks Externally assessed 1 hour 30 minutes	-	25
<b>Paper 4 Practical</b> Paper 4 will assess section 19 to 20 of the syllabus content, except for low-level and declarative programming. Candidates will submit complete program code and evidence of testing. Candidates will be required to use either java (console mode), Visual Basic* (console mode) or python (console mode) programming.	-	25

## Economics (9708)

Through the Cambridge International AS and A Level Economics syllabus, learners study how to explain and analyse economic issues and arguments, evaluate economic information, and organise, present and communicate ideas and judgments clearly.

The syllabus covers a range of basic economic ideas, including an introduction to the price system and government intervention, international trade and exchange rates, the measurement of employment and inflation, and the causes and consequences of inflation. Learners also study the price system, the theory of the firm, market failure, macroeconomic theory and policy, and economic growth and development.

### Assessment overview

For Cambridge International AS & A Level Economics, candidates:

- take Papers 1 and 2 only (for the Cambridge International AS Level qualification)  
or
- follow a staged assessment route by taking Papers 1 and 2 (for the Cambridge International AS Level qualification) in one series, then Papers 3 and 4 (for the Cambridge International A Level qualification) in a later series  
or
- take Papers 1, 2, 3 and 4 in the same examination series (for the Cambridge International A Level qualification).

All components are externally assessed.

Component	Weighting	
	AS Level	A Level
<b>Paper 1 Multiple Choice</b> 1 hour 30 multiple choice questions based on the AS Level syllabus content 30 marks	33%	17%
<b>Paper 2 Data Response and Essay</b> 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	67%	33%
<b>Paper 3 Multiple Choice</b> 1 hour 15 minutes 30 multiple choice questions based on the A Level syllabus content 30 marks		17%
<b>Paper 4 Data Response and Essays</b> 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		33%

# Syllabus

## Economics 9708

Topics	All candidates study these AS Level topics	A Level candidates also study these additional topics
1. Basic economic ideas and resource allocation	<ul style="list-style-type: none"> <li>Scarcity, choice and opportunity cost</li> <li>Positive and normative statements</li> <li>Factors of production</li> <li>Resource allocation in different economic systems and issues of transition</li> <li>Production possibility curves</li> <li>Money</li> <li>Classification of goods and services</li> </ul>	<ul style="list-style-type: none"> <li>Efficient resource allocation</li> <li>Externalities and market failure</li> <li>Social costs and benefits; cost-benefit analysis</li> </ul>
2. The Price system and the Micro economy	<ul style="list-style-type: none"> <li>Demand and supply curves</li> <li>Price elasticity, income elasticity and cross-elasticities of demand</li> <li>Price elasticity of supply</li> <li>Interaction of demand and supply</li> <li>Market equilibrium and disequilibrium</li> <li>Consumer and producer surplus</li> </ul>	<ul style="list-style-type: none"> <li>Law of diminishing marginal utility</li> <li>Indifference curves and budget lines</li> <li>Types of cost, revenue and profit, short-run and long-run production</li> <li>Different market structures</li> <li>Growth and survival of firms</li> <li>Differing objectives of a firm</li> </ul>
3. Government Microeconomic Intervention	<ul style="list-style-type: none"> <li>Maximum and minimum prices</li> <li>Taxes (direct and indirect)</li> <li>Subsidies</li> <li>Transfer payments</li> <li>Direct provision of goods and services</li> <li>Nationalisation and privatization</li> </ul>	<ul style="list-style-type: none"> <li>Policies to achieve efficient resource allocation and correct market failure</li> <li>Equity and policies towards income and wealth redistribution</li> <li>Labour market forces and government intervention</li> <li>Government failure in microeconomic intervention</li> </ul>
4. The Macro economy	<ul style="list-style-type: none"> <li>Aggregate Demand and Aggregate Supply analysis</li> <li>Inflation</li> <li>Balance of payments</li> <li>Exchange rates</li> <li>The terms of trade</li> <li>Principles of absolute and comparative advantage</li> <li>Protectionism</li> </ul>	<ul style="list-style-type: none"> <li>Economic growth, economic development and sustainability</li> <li>National Income statistics</li> <li>Classification of countries</li> <li>Employment/unemployment</li> <li>The circular flow of income</li> <li>Money supply (theory)</li> <li>Keynesian and Monetarist schools</li> <li>The demand for money and interest rate determination</li> <li>Policies towards developing economies; policies of trade and aid</li> </ul>

5. Government Macro Intervention	<ul style="list-style-type: none"> <li>Types of policy: fiscal, monetary and supply side policy</li> <li>Policies to correct balance of payments disequilibrium</li> <li>Policies to correct inflation and deflation</li> </ul>	<ul style="list-style-type: none"> <li>Government macro policy aims</li> <li>Inter-connectedness of problems</li> <li>Effectiveness of policy options to meet all macroeconomic objectives</li> </ul>
6. International Economic Issues	<ul style="list-style-type: none"> <li>The reasons for international trade</li> <li>Protectionism</li> <li>Current account of the balance of payments</li> <li>Exchange rates</li> <li>Policies to correct imbalances in the current account of the balance of payments</li> </ul>	<ul style="list-style-type: none"> <li>Policies to correct disequilibrium in the balance of payments</li> <li>Exchange rates</li> <li>Economic development</li> <li>Characteristics of countries at different levels of development</li> <li>Relationship between countries at different levels of development</li> <li>Globalisation</li> </ul>



# English - Literature (9695)

Successful English Literature learners develop a critical and informed response to texts in a range of forms, styles, contexts and audiences, the interdependent skills of reading, analysis and research, effective, creative, accurate and appropriate communication

## 2.1 Assessment

For Cambridge International AS & A Level Literature in English, candidates:

- Take papers 3, 4, 5 and 6 or 7 or Component 8 in the same examination series leading to the full Cambridge International A Level

or

- Follow a staged assessment route by taking Papers 3 and 4 (for the Cambridge International AS qualification) in the same series, then Papers 5 and 6 or 7 or Component 8 (for the Cambridge International A Level qualification) in a later series

or

- Take Papers 3 and 4 only in the same series (for the Cambridge International AS qualification).

Cambridge International AS Level candidates take:

Paper 3 Poetry and Prose	Duration	Weighting
Candidates answer two questions: one from Section A Poetry and one question from section B Prose. Externally assessed. 50 marks	2 hours	50%

and

Paper 2 Drama	Duration	Weighting
Candidates answer two questions on two plays. Externally assessed. 50 marks	2 hours	50%

Cambridge International A Level candidates take:

Paper 3 Poetry and Pros	Duration	Weighting
Candidates answer two questions: one from Section A Poetry and one question from section B Prose. Externally assessed. 50 marks	2 hours	50%

and

Paper 4 Drama	Duration	Weighting
Candidates answer two questions on two plays Externally assessed. 50 marks	2 hours	25%

and

Paper 5 Shakespeare and other pre-20th Century Texts	Duration	Weighting
This paper contains two sections: Section A: Shakespeare; Section B: other pre-20th Century Texts. Candidates answer two questions: one question from Section A and one question from Section B. At least one of the questions candidates answer must be a (b) passage-based question, chosen from either Section A or Section B. Externally assessed. 50 marks	2 hours	25%

and either

Paper 6 1900 to the Present	Duration	Weighting
Candidates answer two questions on different texts. Externally assessed. 50 marks	2 hours	25%

or

Paper 7 Comment and Appreciation	Duration	Weighting
Candidates answer two questions on different texts. Candidates write critical appreciations of previously unseen passages. Externally assessed. 50 marks	2 hours	25%

or

Component 8 – Coursework	Duration	Weighting
Available on special application only. Candidates submit a folder of two essays on different texts. Internally marked, externally moderated. 50 marks		25%

Dictionaries may not be used.



# General English (9093)

## Paper 1 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.

Candidates should be prepared to demonstrate knowledge and understanding of:

- the conventions of a wide range of written textual forms
- the linguistic elements and literary features of texts
- the significance of audience in both the design and reception of texts
- the ways in which genre, purpose and context contribute to the meaning of texts

## 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.

## A Level content (Paper 3 and Paper 4)

At A Level, candidates are required to build upon the knowledge and understanding established at AS Level, and to concentrate their study on four specialised subject areas:

- language change
- child language acquisition
- English in the world
- language and the self.

Similarly, the skills and techniques required at A Level expand upon those required at AS Level: Paper 3 primarily focuses on skills and techniques related to analytical reading, while the emphasis in Paper 4 is on discursive writing.

# Mathematics (9709)

Cambridge International 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 these skills equip them well for progression to higher education or directly into employment.

## Assessment Overview

### Structure

Paper 1: Pure Mathematics 1  
Paper 3: Pure Mathematics 3

Paper 4: Mechanics  
Paper 5: Probability & Statistics 1

All AS Level candidates take two written papers.  
All A Level candidates take four written papers.

### AS Level Mathematics

At The Ardee School for the Cambridge International AS Level Mathematics qualification we offer the following options:

- Pure Mathematics and Mechanics (Paper 1 and Paper 4) or
- Pure Mathematics and Probability & Statistics (Paper 1 and Paper 5).

### A Level Mathematics

At The Ardee School for the Cambridge International A Level Mathematics qualification offer the following course combination:

- Pure Mathematics, Mechanics and Probability & Statistics (Papers 1, 3, 4 and 5)

Paper 1	Paper 4
<p><b>Pure Mathematics 1</b>      <b>1 hour 50 minutes</b> 75 marks 10 to 12 structured questions based on the Pure Mathematics 1 subject content Written examination Externally assessed 60% of the AS Level 30% of the A Level Compulsory for AS Level and A Level</p>	<p><b>Mechanics</b>      <b>1 hour 15 minutes</b> 50 marks 6 to 8 structured questions based on the Mechanics subject content Written examination Externally assessed 40% of the AS Level 20% of the A Level Offered as part of AS Level or A Level</p>
Paper 3	Paper 5
<p><b>Pure Mathematics 3</b>      <b>1 hour 50 minutes</b> 75 marks 9 to 11 structured questions based on the Pure Mathematics 3 subject content Written examination Externally assessed 30% of the A Level only Compulsory for A Level</p>	<p><b>Probability &amp; Statistics 1</b>      <b>1 hour 15 minutes</b> 50 marks 6 to 8 structured questions based on the Probability &amp; Statistics 1 subject content Written examination Externally assessed 40% of the AS Level 20% of the A Level Compulsory for A Level</p>



# Syllabus

## Mathematics 9709

### 1. Paper 1

#### Pure Mathematics 1

- Quadratics
- Functions
- Coordinate geometry
- Circular measure
- Trigonometry
- Series
- Differentiation
- Integration

### 3. Paper 3

#### Pure Mathematics 3

- Algebra
- Logarithmic and exponential functions
- Trigonometry
- Differentiation
- Integration
- Numerical solution of equations
- Vectors
- Differential equations
- Complex numbers

### 4. Paper 4

#### Mechanics

- Forces and equilibrium
- Kinematics of motion in a straight line
- Momentum
- Newton's laws of motion
- Energy, work and power

### 5. Paper 5

#### Probability & Statistics 1

- The normal distribution
- **Representation of data**
- **Permutations and combinations**
- **Probability**
- **Discrete random variables**

# Physics (9702)

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 a wide variety of related subjects at university or to follow a career in science.

## 1.2 Assessment

Candidates for Advanced Subsidiary (AS) certification take Papers 1, 2 and 3 (either Advanced Practical Skills 1 or Advanced Practical Skills 2) in a single examination series.

Candidates who, having received AS certification, wish to continue their studies to the full Advanced Level qualification may carry their AS marks forward and take Papers 4 and 5 in the examination series in which they require certification.

Candidates taking the full Advanced Level qualification at the end of the course take all five papers in a single examination series.

Candidates may only enter for the papers in the combinations indicated above. Candidates may not enter for single papers either on the first occasion or for resit purposes.

All components are externally assessed.

Component	Weighting	
	AS Level	A Level
<b>Paper 1 Multiple Choice</b> <span style="float: right;">1 hour 15 minutes</span> This paper consists of 40 multiple choice questions, all with four options. All questions will be based on the AS Level syllabus content. Candidates will answer all questions. Candidates will answer on an answer sheet. <span style="float: right;">[40 marks]</span>	31%	15.5%
<b>Paper 2 AS Level Structured Questions</b> <span style="float: right;">1 hour 15 minutes</span> This paper consists of a variable number of questions of variable mark value. All questions will be based on the AS Level syllabus content. Candidates will answer all questions. Candidates will answer on the question paper. <span style="float: right;">[60 marks]</span>	46%	23%
<b>Paper 3 Advanced Practical Skills</b> <span style="float: right;">2 hours</span> This paper requires candidates to carry out practical work in timed conditions. The paper will consist of two experiments drawn from different areas of physics. The experiments may be based on physics not included in the syllabus content, but candidates will be assessed on their practical skills rather than their knowledge of theory. Candidates will answer both questions. Candidates will answer on the question paper. <span style="float: right;">[40 marks]</span>	23%	11.5%



<b>Paper 4 A Level Structured Questions</b> <span style="float: right;">2 hours</span> This paper consists of a variable number of questions of variable mark value. All questions will be based on the A Level syllabus but may require knowledge of material first encountered in the AS Level syllabus. Candidates will answer all questions. Candidates will answer on the question paper. <span style="float: right;">[100 marks]</span>	–	38.5%
<b>Paper 5 Planning, Analysis and Evaluation</b> <span style="float: right;">1 hour 15 minutes</span> This paper consists of two questions of equal mark value based on the practical skills of planning, analysis and evaluation. The context of the questions may be outside the syllabus content, but candidates will be assessed on their practical skills of planning, analysis and evaluation rather than their knowledge of theory. Candidates will answer both questions. Candidates will answer on the question paper. <span style="float: right;">[30 marks]</span>	–	11.5%

## Syllabus

### Physics 9702

Candidates for Cambridge International AS Level Physics study the following topics:

- Physical quantities and units
- Measurement techniques
- Kinematics
- Dynamics
- Forces, density and pressure
- Work, energy and power
- Deformation of solids
- Waves
- Superposition
- Electric fields
- Current of electricity
- D.C. circuits
- Particle and nuclear physics

Candidates for Cambridge International A Level Physics study the AS Level topics, including some topics in further detail, and additionally study the following topics:

- Motion in a circle
- Gravitational fields
- Ideal gases
- Temperature
- Thermal properties of materials
- Oscillations
- Communication
- Capacitance
- Electronics
- Magnetic fields
- Electromagnetic induction
- Alternating currents
- Quantum physics

## Psychology (9990)

Cambridge International AS and A Level Psychology provides candidates opportunities to consider approaches, issues and debates and research methods that underpin all aspects of psychology. At AS Level candidates focus on 12 core studies. The core studies illustrate a wide range of research methods used in psychology, such as experiments, observations, self-reports and case studies. By exploring the relationship between the content of the study and the research methods, the candidate will gain a broad understanding of how psychologists study experiences and behaviours and why the research took place.

### Assessment

For Cambridge International AS and A Level Psychology, candidates:

- take Papers 1 and 2 only (for the Cambridge International AS Level qualification) or
- follow a staged assessment route by taking Papers 1 and 2 (for Cambridge International AS Level qualification) in one examination series, then Papers 3 and 4 (for the Cambridge International A Level qualification) in a later examination series or
- take Papers 1, 2, 3 and 4 in the same examination series, leading to the full Cambridge International A Level.

All components are externally assessed.

Component	Weighting	
	AS Level	A Level
<b>Paper 1 approaches, issues and debates</b> <span style="float: right;">1 hour 30 minutes</span> 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%
<b>Paper 2 Research methods</b> <span style="float: right;">1 hour 30 minutes</span> 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%
<b>Paper 3 Specialist options: theory</b> <span style="float: right;">1 hour 30 minutes</span> 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%
<b>Paper 4 Specialist options: application</b> <span style="float: right;">1 hour 30 minutes</span> Candidates answer questions from two specialist options. Section A: Candidates answer two questions from a choice of four (30 marks). Each of these questions is based on stimulus material and is divided into four parts. Section B: Candidates answer one design-based question from a choice of four [18 marks]. Each question is divided into two parts. Section C: Candidates answer one essay question from a choice of four (12 marks). [60 marks]	–	25%



# Syllabus content

Candidates for Cambridge International AS Level should study the AS Level content for Paper 1 and Paper 2. Candidates for Cambridge International A Level should study all the syllabus content.

The AS Level content includes approaches, issues and debates and research methods and these should be considered for each study as relevant.

## Paper – 1 Approaches, Issues and Debates

The content covers four approaches to Psychology which are Biological, Cognitive, Learning and social and each approach is studied with the help of Research Studies.

The issues and debates considered at AS Level are:

- the application of psychology to everyday life
- individual and situational explanations
- nature versus nurture
- the use of children in psychological research
- the use of animals in psychological research.

## Paper 2 Research Methods

The Research Methods covers the various techniques and strategies used in Psychological Research such as Experiments and various experimental designs ,Sampling , Self reports, case studies, observation, correlations, Hypothesis and aims, Variables ,Concept of Reliability and Validity, Ethics Psychological Research and Data Analysis.

## A Level content – Paper 3 and Paper 4

The content of the AS Level, including research methods, is assumed knowledge for the assessment of Paper 3 and Paper 4. However, the AS Level content will not be the direct focus of questions on Paper 3 and Paper 4. The specialist options build on the work for AS and explore how psychology can be applied in a range of contexts.

Candidates are required to study how psychology is applied in two of the following four areas:

- Abnormality
- Consumer behaviour,
- Health
- Organisations.

At A Level, the issues and debates that candidates will need to be able to consider in relation to each of the specialist options are listed below. These include all the issues and debates introduced at AS Level :

- the application of psychology to everyday life
- individual and situational explanations
- nature versus nurture
- the use of children in psychological research
- the use of animals in psychological research
- cultural bias
- reductionism
- psychometrics
- determinism
- longitudinal research



# Cambridge AICE Diploma credits

The Cambridge AICE Diploma is a group certificate which requires learners to study a compulsory core subject, Cambridge AS Level Global Perspectives & Research, with Cambridge AS & A Level subjects drawn from three curriculum areas: mathematics and science (Group 1), languages (Group 2), and arts and humanities (Group 3). There is the option to study interdisciplinary subjects (Group 4). The following combinations of credits are valid for the Diploma:

A Levels (2 credits each)	AS Levels (1 credit each)	Cambridge International AS Level Global Perspectives & Research (9239)	Total
3	0	1	7 credits
2	2	1	7 credits
1	4	1	7 credits
0	6	1	

## Assessment

Cambridge International A Level uses a wide range of assessment processes and techniques to supplement formal written examinations – orals, practicals, projects and coursework of various types are all used in various subjects where they are the most effective and appropriate means of measuring attainment.

Cambridge International A Level subjects are graded from A\* to E. Cambridge International AS Level subjects are graded A to E. There is no A\* grade awarded at Cambridge International AS Level. The Cambridge AICE Diploma is awarded on a points system, so each grade is converted to a number of points as shown in the table below.

Grade A\* is awarded 140 points, however the maximum number of Cambridge AICE Diploma points is capped at 420.

Two credits study (A Levels)		One credits study (AS Levels)	
Grade	Points	Grade	Points
A*	140	-	-
A	120	A	60
B	100	B	50
C	80	C	40
D	60	D	30
E	40	E	20

Learners who meet the requirements of the group award will receive a Cambridge AICE Diploma at one of three levels: Pass, Merit or Distinction. The level awarded is based on the overall Cambridge AICE Diploma score.

**Cambridge AICE Diploma with Distinction:** awarded to students with a score of 360 points or above. The maximum Diploma score is 420 points.

Cambridge AICE Diploma with Merit: awarded to students with between 250 and 359 points.

Cambridge AICE Diploma at Pass level: awarded to students with between 140 and 249 points.





Learners must achieve at least one credit from each of Groups 1, 2 and 3. A maximum of two credits can count from Group 4, which is optional.

- Group 1: Mathematics and Sciences
  - Biology
  - Chemistry
  - Computer Science
  - Information technology
  - Mathematics
  - Physics
  - Psychology
- Group 2: Languages
  - English Language
- Group 3: Arts and Humanities
  - Accounting
  - Art and Design
  - Business
  - Economics
  - Literature in English
  - Psychology (available in Group 1 or Group 3)
  - Sociology
- Group 4: Interdisciplinary subjects (optional)

#### Cambridge AICE Diploma Credits

To achieve the Cambridge AICE Diploma, learners must achieve a minimum of seven credits (including Cambridge International AS Level Global Perspectives & Research) from subject groups 1, 2, and 3 (and optionally Group 4) to be awarded the Diploma. Learners must achieve at least one credit from each of Groups 1, 2 and 3.

The remaining credits can come from any of the groups. A Cambridge International AS Level is awarded one credit, and a Cambridge International A Level is awarded two credits.

The following combinations of credits are valid for the Diploma:

A Levels (2 credits each)	AS Levels (1 credit each)	Cambridge International AS Level Global Perspectives & Research (9239)	Total
3 x 2 = 6	0	1	7 credits
2 x 2 = 4	2 x 1 = 2	1	7 credits
1 x 2 = 2	4 x 1 = 4	1	7 credits
0	6 x 1 = 6	1	7 credits



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