



# TARA PATTANA

INTERNATIONAL SCHOOL THAILAND

## Key Stage 5 Information Booklet



  
[www.tpis.ac.th](http://www.tpis.ac.th)

## Table of Contents

Welcome from the Head of School	2
The Mission	3
Curriculum Overview	4
TPIS Learner Profile	5
The Academic Programme	6
Assessment and Reporting	7
The Enhanced Curriculum	8

## Options

Art and Design	10
Biology	13
Business	16
Chemistry	18
Classical Studies	21
Computer Science	23
Economics	25
English General	27
English Language	29
English Literature	31
Further Mathematics	33
Geography	35
History	37
History of Art	39
Information Technology	41
Mathematics	43
Physics	45
Politics	47
Psychology	49
Sociology	51
Thinking Skills	53

# WELCOME TO TARA PATTANA INTERNATIONAL SCHOOL



## Welcome from the Head of School

Welcome to Tara Pattana International School and thank you for considering our A Level programme for this important stage of your educational journey. I hope this booklet gives you an insight into our ethos and explains our approach to education in the final years of secondary school.

The school has a real mix of international students that creates a spirit based on diversity, respect and understanding. This is something that cannot be underestimated in value in a globalised world. We are at the centre of the community we serve and take great pride in ensuring that interaction with the school is a happy and fulfilling experience for the whole family.

Our motto is "Expect the Best": we aim high and encourage students to not give up. The best way to measure our success is to visit the school and feel our down-to-earth family-focused approach in which our teachers personally know their students and are passionate about learning. You will find confident and well-mannered students who have fun with their learning and know the importance of collaboration.

This booklet offers you a useful starting point as you begin the process of plotting your path through the most important, challenging and enjoyable years of your school life. It is, however, no more than that. Read it carefully and use it as a guide, and then take the opportunity to talk to as many experts as possible. Experts might include parents, teachers and older siblings or friends who have already completed school, university admissions officers, and people already working in areas of interest to you.

Think very carefully about making decisions based on anything other than interest and enjoyment. If Art is your passion, you must have a really compelling reason to choose not to study it at A Level. Above all, make your own decisions: listen to advice, do the research - but decide for yourself.

Finally, please remember that life in the Sixth Form is about so much more than academic study. Your A Levels are your priority - of course they are - but the next two years will provide you with opportunities that might well define the person you will become. As school leaders you will have a genuine responsibility to yourselves and the rest of our community to make the most of those opportunities. Take risks, set yourself new challenges, and be generous in sharing your talents with others.

I wish you good luck and look forward to working with you on the final part of your school journey.

A handwritten signature in black ink, appearing to read 'J. Swan'.

James Swan  
Head of School

## The Mission

### **High expectations of learning that inspire students to reach their full potential in a caring international community**

Our ethos is underpinned by our learner profile and a culture of teaching in which the cornerstone to learning is knowledge, based on the “Learning Rainforest” approach (Tom Sherrington). Core learning builds very secure knowledge that goes deeper rather than wider. Learning activities build on prior knowledge, allowing students to explore and connect ideas, broaden their experiences and extend their capabilities. We believe that knowledge should be questioned and debated.

We include rich learning experiences: exploration, problem-solving, challenge and hands-on experience including sporting activities and involvement in the Arts.

We value communication as we believe that knowledge needs to be expressed. You will have the opportunity to participate in speech events, performances and showcase products of learning. All overlap and coexist together with cultural capital that has to be acquired. We enrich students' lives in a variety of ways, for example trips to museums and galleries, to mountains, rivers, beaches, forests, and to plays and concerts. We expose students to current affairs, political history, artists, filmmakers, TV, food and cooking.





## TPIS Learner Profile

At TPIS, we value, develop and celebrate the following attributes in our development of our students to ensure that they do not become accomplished only in academic studies but are well-rounded, balanced individuals who are better prepared for life in the real world.

1. You are **RESILIENT**  
*You are disciplined and work hard to achieve your goals, and overcome obstacles.*
2. You are **CONFIDENT**  
*You are humble, confident in your abilities and can speak articulately.*
3. You are a **TEAM-PLAYER**  
*You work well with others, helping to build excellent relationships.*
4. You are **REFLECTIVE**  
*You think carefully about your own learning, showing mindfulness, appreciating your own strengths and understanding how to improve.*
5. You are **KNOWLEDGEABLE**  
*You are an avid learner who is well informed and understands key subjects.*
6. You are **INDEPENDENT**  
*You are a resourceful learner, able to make your own decisions and act on your own initiative.*
7. You are **KIND**  
*You are always ready to offer warmth and friendship, making a positive difference to the lives of others and spreading a smile.*
8. You are **CURIOUS**  
*You are an inquisitive learner, always asking the most challenging questions and eager to solve the most important problems.*



## The Academic Programme

In Year 12 you will study three Advanced Subsidiary (AS) subjects; the examinations you will sit at the end of Year 12 will contribute 50% towards full Advanced Level (A Level) qualifications. At the end of Year 13 you will sit examinations which will contribute the remaining 50% of your A Level qualifications. Exceptionally gifted students may have the opportunity to study four A Level subjects or to take extra AS level subjects.

A Levels offer the flexibility and challenge to students who relish the opportunity to study what they want and at greater depth. You will be able to choose subjects you have a real interest in thus allowing you to work to your strengths. Our Blended A Level Programme offers 21 subjects so you can truly immerse yourself in your passions and interests.

Our Blended A Level Programme is offered in partnerships with Wolsey Hall Oxford - a well-established and well-respected online provider. You will have access to all study materials for the entire course at the start of the year so you have the opportunity to pace your own studies. You will have regular assignments and you will receive feedback within 3 - 5 days. Your study sessions will be timetabled and supervised by our teachers and you will have the opportunity to discuss any difficulties with your form tutor or head of year who will act as your progress monitor.

This blended method of learning encourages students to be accountable for their learning while still granting them flexibility and the opportunity to self-direct their learning and revisit topics at home or at school.

As students in Year 12 and Year 13 are preparing for employment or further third level education, they are also expected to manage their time wisely and use independent study periods to complete homework, revise and prepare for assessments.

A Levels provide a sure foundation to university study and provide essential skills for the world of work. As our world becomes more globalised and competition for jobs increases, being excellent in three or four core subjects is going to be essential as well as having a broad knowledge of current affairs and the ability to communicate in writing. The level of subject knowledge is deeper and more thorough, providing a solid introduction to these subjects at degree level. They are a qualification that international employers recognise and they appreciate their value.

Students who have not secured passing grades (IGCSE grade 4) in English / English as a Second Language) or mathematics will also have the opportunity to study these subjects through a blended learning approach supported by in-school teachers and tutors.



## Assessment and Reporting

Students are assessed regularly in a variety of different ways, depending on what is appropriate to the subject and the type of work being undertaken. For example, students will regularly sit end-of-topic tests, complete extended written assignments or be observed preparing creative work. The way in which students' work is marked varies from subject to subject. Subject overviews are provided in this booklet so that students understand the various procedures that apply.

At the beginning of Term 2 in Year 12 and Year 13, all students sit "mock" examinations. Some subjects require students to prepare a portfolio or coursework over the duration of the course that is assessed and forms part of the final grade.

AS examinations are taken at the end of Year 12. These are a qualification in their own right or may be counted towards the final A Level grade.

A report is produced after the mock examinations. This will contain attainment and effort grades for each subject studied. The grades are an aggregate of each student's performance to that date and are calculated using the marks or grades gained throughout the preceding months. The grade scale is from e - a for AS Level and E - A for A Level. It is possible for students who have performed exceptionally well in both AS and A level examinations to be awarded an A\* grade by the external examining boards.

Parent consultations are held in the first half-term and again in Term 2 when mock results are available. During these consultations parents, students and teachers will discuss current attainment, any barriers to progress and ways to improve.



## The Enhanced Curriculum

We believe students should have opportunities to develop leadership skills and have experiences that relate to the world of work, university and community service. Students will have the opportunities to become involved with leading a CCA for younger students, learn how to cook on a student budget or get involved with a local community project. Our Key Stage 5 students may also apply for a leadership role as school prefects.

TPIS prides itself on balancing academic success with wide-ranging enrichment opportunities which allow students to develop their interests and support their community. Trips and visits will take the curriculum into museums, to concerts, plays, art galleries and different landscapes. Work experience is also supported.

The school places great importance on the pastoral care of its students: the development of the whole person – mind, body and spirit. The school community has a responsibility in providing and nurturing an environment, which will enable students to develop the whole person. It involves staff, students, and parents/guardians working cooperatively towards an all-round development of each student.

### Learning for Life Programme

Through Learning for Life sessions, students will learn a variety of skills and knowledge essential to life after Sixth Form. The following topics will make up the Learning for Life programme.

<i>Careers education</i>	University applications, writing a CV, choosing next steps and producing personal statements.
<i>Study skills</i>	Including personal organisation, time management, target setting and revision plans.
<i>Life and soft skills</i>	Leadership, etiquette, public speaking and cooking
<i>Citizenship and community</i>	Including work experience
<i>Health education</i>	Including awareness of drug and substance abuse and prevention of sexually transmitted diseases
<i>Relationships</i>	Including conflict resolution and developing healthy personal relationships
<i>Residential trips</i>	An opportunity to live the learner profile and bond with one another.

### Co-Curricular Activities (CCA) Programme in Key Stage 5

Our compulsory CCA programme runs from 3.40pm - 4.30pm every Monday, Tuesday and Thursday. There will also be opportunities for Key Stage 5 students to take on leadership roles by leading CCAs for some of the younger students.

Some of the activities that will be on offer alongside the whole school programme are:

Yoga	Gym Sessions	Dance
Swimming	First Aid	Cooking
Muay Thai	Charity Work	Sports Leadership
Science Enrichment	University applications	Interviewing and other life skills



# OPTIONS



**Art and Design**  
**Cambridge International AS and A Level (9479)**  
*Traditional face-to-face classroom*

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 create 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.

### **Aims**

The International AS and A-level Art and Design courses encourage students to:

- Develop an inquisitive, creative approach to research and problem-solving
- Develop the ability to record from first-hand observation, personal experience and other sources
- Effectively communicate their personal response by improving technical skills in a range of processes and media
- Develop independent expression by analysing, evaluating and applying concepts and techniques
- Articulate ideas and responses to their work and the work of others using a relevant vocabulary
- Develop a clear contextual framework that aids critical reflection of their work
- Develop a critical understanding of important concepts and formal elements of art and design
- Develop the skills needed to study art and design at higher education.

### **How will I be assessed?**

<p><b>Component 1 - Coursework</b>  Candidates research, develop and realise a project from one area of study in the syllabus. There are <b>two</b> parts to the coursework:</p> <ul style="list-style-type: none"> <li>- A portfolio <b>and</b></li> <li>- A final outcome</li> </ul> <p>Externally assessed  100 marks  50% of the AS Level  25% of the A Level</p>	<p><b>Component 2 - Externally set assignment</b>  15 hours  Candidates choose one starting point to develop into a personal response. There are <b>two</b> parts to the assignment:</p> <ul style="list-style-type: none"> <li>Supporting studies, created during the preparation period <b>and</b></li> <li>A final outcome, produced during a supervised test of 15 hours' total duration.</li> </ul> <p>Externally assessed  100 marks  50% of the AS Level  25% of the A Level</p>	<p><b>Component 3 - Personal investigation</b>  Candidates investigate a theme, idea, concept or process that is personal to them. There are <b>two</b> parts to the investigation:</p> <ul style="list-style-type: none"> <li>Practical work <b>and</b></li> <li>Written analysis (1000 - 1500 words)</li> </ul> <p>The practical work and written analysis must form an integrated submission. Externally assessed  100 marks  50% of the A Level</p>
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### **Is this a suitable option for me?**

This course is suitable for any student who has an interest in and an aptitude for Art and Design. Students who wish to continue with the study of Art at university, to become painters and sculptors, media artists, film makers, or who are interested in careers for which an art background is relevant, such as Design (fashion, furniture, jewellery, interior, architecture, product design, etc.) should seriously consider taking Art at A Level. The subject develops your awareness of ideas, materials, and processes associated with all design professions. Art and Design education helps you in other ways, such as forming your own opinions, thinking up alternative solutions to problems, and developing self-confidence in order to express yourself, visually, verbally and in writing.

### ***How will this course help me?***

Art draws from and reflects the student's personal interests. Other genuine subject interests will inevitably complement and enhance the work produced for this course. The stimulus for a piece of artwork may, for example, come from a poem or a novel studied in English Literature, or a period of time studied in History. Likewise, projects on pattern design can be drawn from the knowledge gained from a mathematics study. Mathematics and ICT may also be combined with Art to provide entry to fields such as Architecture, and Product Design.

Students wishing to enter Art- or Design-related industries or professions will usually need A-Level Art to gain entry to degree courses in more specialised areas of Art and Design. Subsequent career routes include Design Assistant, Graphic Designer, Illustrator, Interior Designer, Textile Designer, Teacher, Architect, Web Page Designer, Marketing Manager, Advertising, Fashion Designer, Textile Design, Media/Film and Television, Photography, Antiques and Auction, Museums, Jewellery Design, Public Arts etc.

There are so many careers for which art is an invaluable subject that it is impossible to mention them all here. A useful website to consult for those who are interested in finding out more is:

<https://www.topuniversities.com/student-info/careers-advice/what-can-you-do-art-degree>

### ***What will I need to start the course?***

You are likely to have passed IGCSE Art with at least a C grade, but this is not always essential. The most important thing is that you are passionate and interested in exploring and developing creative ideas, making things, and that you like to work independently. You must also be ready for the demands of this practical, coursework-laden subject and be prepared to spend long hours of your free time working on your portfolio. If you have not taken the IGCSE course and wish to take the A-Level, you must be able to demonstrate that you have drawing skills which can be developed. Students who do not have the IGCSE qualification or equivalent should be able to show at least one sketch book which demonstrates their personal recent interest and ability in Art. Students who do not already keep some sort of sketchbook are unlikely candidates for success at A-Level. So, the only real entry requirement is that you enjoy practising art, and that you are already doing it. It is also helpful if you can draw or paint!

For a detailed syllabus of the course see

<https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-international-as-and-a-level-art-and-design-9479/>



## Biology

### Edexcel XBI11 (for AS) and YBI11 (A2)

Universities value learners who have a thorough understanding of key concepts in biology, an in-depth knowledge of biology's most important themes and strong practical skills. Edexcel International AS and A Level Biology helps learners develop the knowledge and skills that will prepare them for successful university study. Our learners also develop lifelong skills of scientific enquiry, confidence in technology, and communication and teamwork skills.

The aims and objectives of this qualification are to enable students to develop:

- Essential knowledge and understanding of different areas of the subject and how they relate to each other;
- A deep appreciation of the skills, knowledge and understanding of scientific methods;
- Competence and confidence in a variety of practical, mathematical and problem-solving skills;
- Their interest in and enthusiasm for the subject, including developing an interest in further study and careers associated with the subject.

#### **How will I be assessed?**

##### **AS Level - Year 12**

##### **Unit 1: Molecules, Diet, Transport & Health**

Written examination: 1 hour 30 minutes; Externally assessed

80 marks: 40% of AS; 20% of total A Level

##### **Content Overview:**

- Molecules, Transport & Health
- Membranes, Proteins, DNA & Gene Expression

##### **Assessment Overview:**

The paper may include multiple-choice, short-open, open-response, calculations and extended-writing questions. The paper will include a *minimum* of 8 marks that target mathematics at IGCSE level or above. Candidates will be expected to apply their knowledge and understanding to familiar and unfamiliar contexts.

##### **Unit 2: Cells, Development, Biodiversity & Conservation**

Written examination: 1 hour 30 minutes; Externally assessed

80 marks: 40% of AS; 20% of total A Level

##### **Content Overview:**

- Cell Structure, Reproduction & Development
- Plant Structure and Function, Biodiversity & Conservation

##### **Assessment Overview:**

The paper may include multiple-choice, short-open, open-response, calculations and extended-writing questions. The paper will include a *minimum* of 8 marks that target mathematics at IGCSE level or above. Candidates will be expected to apply their knowledge and understanding to familiar and unfamiliar contexts.

##### **Unit 3: Practical Skills in Biology I**

Written examination: 1 hour 20 minutes; Externally assessed

50 marks: 20% of AS; 10% of total A Level

##### **Content Overview:**

- This unit will assess students' knowledge and understanding of experimental procedures and techniques that were developed in Units 1 & 2.

##### **Assessment Overview:**

The paper may include short-open, open-response and calculation questions. The paper will include a *minimum* of 5 marks that target mathematics at IGCSE level or above. Candidates will be expected to apply their knowledge and understanding of practical skills to familiar and unfamiliar situations.



## A Level - Year 13

### **Unit 4: Energy, Environment, Microbiology and Immunity**

Written examination: 1 hour 45 minutes; Externally assessed

90 marks: 20% of total A Level

#### **Content Overview:**

- Energy Flow, Ecosystems and the Environment
- Microbiology, Immunity and Forensics

#### **Assessment Overview:**

The paper may include multiple-choice, short-open, open-response, calculations and extended-writing questions. The paper will include a *minimum* of 9 marks that target mathematics at IGCSE level or above. Candidates will be expected to apply their knowledge and understanding to familiar and unfamiliar contexts. This paper may contain some synoptic questions which require knowledge and understanding from Units 1 & 2.

### **Unit 2: Respiration, Internal Environment, Coordination and Gene Technology**

Written examination: 1 hour 45 minutes; Externally assessed

90 marks: 20% of total A Level

#### **Content Overview:**

- Respiration, Muscles and the Internal Environment
- Coordination, Response and Gene Technology

#### **Assessment Overview:**

The paper may include multiple-choice, short-open, open-response, calculations and extended-writing questions. Pre-released reading (scientific article) will be provided for this assessment. The paper will include a *minimum* of 8 marks that target mathematics at IGCSE level or above. Candidates will be expected to apply their knowledge and understanding to familiar and unfamiliar contexts. This paper may contain some synoptic questions which require knowledge and understanding from Units 1 & 2.

### **Unit 6: Practical Skills in Biology II**

Written examination: 1 hour 20 minutes; Externally assessed

50 marks: 20% of AS; 10% of total A Level

#### **Content Overview:**

- This unit will assess students' knowledge and understanding of experimental procedures and techniques that were developed in Units 1, 2, 4 & 5.

#### **Assessment Overview:**

The paper may include short-open, open-response and calculation questions. The paper will include a *minimum* of 5 marks that target mathematics at IGCSE level or above. Candidates will be expected to apply their knowledge and understanding of practical skills to familiar and unfamiliar situations.

You will not be expected to carry out experiments during the exam; however, you are expected to develop your experimental skills, and a knowledge and understanding of practical techniques is necessary as any of the exam papers may assess your understanding of the scientific method, particularly in relation to the core practicals listed in the syllabus.

You will be provided with a Lab Book as well as other resources so you can familiarise yourself with the methods by watching appropriate video demonstrations and using hypothetical data. You will also be supported by our science teachers - through timetabled sessions or through our CCA programme to develop your practical skills.

### ***How will the course help me?***

Qualifications in biology open up careers in many different fields. Biology is usually a requirement for those wishing to study medicine and other courses such as pharmacy, dentistry, microbiology, biological and natural sciences, marine biology, conservation, botany, genetics, bioinformatics, climate change and many other interesting courses. If a research based career is your goal, pharmaceuticals, disease control, innovative drug development, adding to the future of human understanding in the natural world including the study of plants, fungi, bacteria, viruses, animals, fish or invertebrates through masters or PhD research then again biology is a mandatory requirement. An A Level in biology will also stand you in good stead if you choose to study engineering or the exciting and rapidly evolving areas of medical nanotechnology or biotechnology. In today's modern society, individuals who have a scientific background, combined with other qualifications, will find employment as, for example, patent lawyers or in international business management. Furthermore, the development of the enquiring mind that is a necessity for any A level science is looked on favourably for degree courses in many other subjects.

### ***What will I need to start the course?***

You should have a strong foundation in scientific knowledge. You must have achieved at grade 6 / B at iGCSE Science or in a baseline assessment at admissions. The ability to communicate effectively is an essential part of the course and competence in English is important. In addition, students should have a good background in mathematics as this is essential for certain aspects of the course.

Who do I contact for further information?

Ms Samantha Cornes [scornes@tpis.ac.th](mailto:scornes@tpis.ac.th) or Mr James Wood [jwood@tpis.ac.th](mailto:jwood@tpis.ac.th)

For a detailed syllabus of the course see:

<https://qualifications.pearson.com/content/dam/pdf/International%20Advanced%20Level/Biology/2018/Specification-and-Sample-Assessment/International-A-Level-Biology-Spec.pdf>

For sample course materials please see:

<https://wolseyhalloxford.instructure.com/courses/2068403/modules>



**Business**  
**Cambridge International AS/A Level (9609)**  
**Blended Learning Programme**

The study of A Level Business allows learners to take the first step towards a career in private or public organisations or progress with confidence to a degree in business and management-related subjects.

Cambridge learners 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
- a solid foundation for further study.

### **Aims**

The International AS and A-level Business course encourages students to 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;
- knowledge that relates to strategic planning and decision-making to ensure business survival, change, and sustainable success;
- a solid foundation for further study.

### **How will I be assessed?**

#### **AS Level - Year 12**

##### **Paper 1**

Written examination: 1 hour 15 minutes; Externally assessed  
 40 marks - 40% of AS Level; 20% of A Level

##### **Content Overview:**

- Business and its environment
- People in organisations
- Marketing
- Operations and project management
- Finance and accounting

##### **Assessment Overview:**

*Section A: Four short answer questions (20 marks)*

*Section B: One essay from a choice of three questions (20 marks)*

##### **Paper 2: Data Response**

Written examination: 1 hour 30 minutes; Externally assessed  
 60 marks: 60% of AS; 30% of total A Level

##### **Assessment Overview:**

Two data response questions based on the AS Level syllabus content.

#### **A Level - Year 13**

##### **Paper 3: Case Study**

Written examination: 1 hour 15 minutes; Externally assessed  
 100 marks - 50% of A Level

##### **Content Overview:**

- Business and its environment (additional content)
- People in organisations (additional content)
- Marketing (additional content)

- Operations and project management (additional content)
- Finance and accounting (additional content)
- Strategic management

**Assessment Overview:**

Five questions and one essay (from a choice of two) based on a case study Based on the additional A Level syllabus content and also assumes knowledge and understanding of the AS Level syllabus content

***How will the course help me?***

If you want a thorough grounding in the skills required for today's rapidly changing business world, an A Level Business course will provide it. Most employers are keen to employ individuals with a good understanding of business. Students who study A level Business can go on to pursue Accountancy, Economics and a whole range of Management-related courses at university.

You'll gain knowledge of all aspects of running a business and also the skills required to start your own. Whatever scale your future business in on, whether you are selling homemade produce or running a large corporation, you'll need to understand the basics of a successful business. This course will enable you to do so.

***What will I need to start the course?***

It is not essential to have studied business at IGCSE but the course does require a good understanding of mathematics - in particular data handling and analysis (60% of AS level) - and the ability to analyse case studies and provide long essay-type responses. All students must have a grade C/4 or above in English and Maths at IGCSE (or the equivalent at baseline testing).

***What will I learn?***

The subject aims to develop key skills in data handling and analysis, in the ability to evaluate and synthesise information, and in the ability to discuss and debate issues from a variety of perspectives. Complex business scenarios are introduced and solutions to specific business problems are addressed using a variety of decision-making techniques, both quantitative and qualitative. You will be given opportunities to enhance these skills through a consideration of case study materials in which real world examples and applications predominate.

***Who do I contact for further information?***

Mrs Zella Wood [zwood@tpis.ac.th](mailto:zwood@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/557413-2022-syllabus.pdf>

For sample course materials please see: <https://wolseyhalloxford.instructure.com/courses/1566645/modules>





## Chemistry

### Edexcel XCH11 (AS) & YCH11 (A2)

An A level Chemistry course will open your eyes to the fact that chemistry is all around us. The world is filled with materials that have been discovered, developed and tested by chemists, such as medicines, foods, fuels, plastics, fertilisers and fabrics. An understanding of the subject can help you answer many questions about everyday life! Why are plants green? How does soap clean? What makes baked goods rise? Why do sauces thicken? The syllabus includes the main theoretical concepts which are fundamental to the subject and some current applications of chemistry. The emphasis throughout is on the understanding of concepts and the application of chemistry 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. International AS and A Level Chemistry is ideal for learners who want to study chemistry or a wide variety of related subjects at university or to follow a career in science.

#### Aims

The aims and objectives of this course are to enable students to develop:

- essential knowledge and understanding of different areas of the subject and how they relate to each other;
- a deep appreciation of the skills, knowledge and understanding of scientific methods;
- competence and confidence in a variety of practical, mathematical and problem-solving skills;
- their interest and enthusiasm for the subject, including developing an interest in further study and careers associated with the subject.

#### How will I be assessed?

##### AS Level - Year 12

##### **Unit 1: Structure, Bonding and Introduction to Organic Chemistry**

Written examination: 1 hour 30 minutes; Externally assessed

80 marks: 40% of AS; 20% of total IAL

##### **Content Overview:**

- Formulae, Equations and Amount of Substance
- Atomic Structure and the periodic Table
- Bonding and Structure
- Introductory Organic Chemistry and Alkanes
- Alkenes

##### **Assessment Overview:**

**Section A:** multiple choice questions

**Section B:** mixture of short-open, open response and calculation questions

This paper will include a **minimum** of 18 marks that target mathematical skills at IGCSE Higher level or above. Students will be expected to apply their knowledge and understanding of experimental methods in familiar and unfamiliar contexts.

##### **Unit 2: Energetics, Group Chemistry, Halogenoalkanes and Alcohols**

Written examination: 1 hour 30 minutes; Externally assessed

80 marks: 40% of IAS; 20% of total IAL

##### **Content Overview:**

- Energetics
- Intermolecular Forces
- Redox Chemistry and Groups 1, 2 and 7
- Introduction to Kinetics and Equilibria
- Organic Chemistry: Alcohols, Halogenoalkanes and Spectra

##### **Assessment Overview:**

**Section A:** Multiple choice questions

**Section B:** Mixture of short-open, open response, calculations and extended-writing questions

**Section C:** Contemporary context question

This paper will contain questions that require information from the Data Booklet and will include a **minimum** of 18 marks that target mathematics at IGCSE Higher level or above.

Students will be expected to apply their knowledge and understanding of experimental methods in familiar and unfamiliar contexts.

This paper may contain some synoptic questions which require knowledge and understanding from Unit 1.

**Unit 3: Practical Skills in Chemistry I**

Written examination: 1 hour 20 minutes; Externally assessed

50 marks: 20% of the total IAS; 10% of the total IAL

**Content Overview:**

- This unit will assess students' knowledge and understanding of experimental procedures and techniques that were developed in Units 1 and 2.

**Assessment Overview:**

This paper may include short-open, open-response and calculation questions.

This paper will include a **minimum** of 6 marks that target mathematics at IGCSE Higher level or above.

Students will be expected to apply their knowledge and understanding of practical skills to familiar and unfamiliar situations.

**A Level - Year 13****Unit 4: Rates, Equilibria and Further Organic Chemistry**

Written examination: 1 hour 45 minutes; Externally assessed

90 marks: 20% of total IAL

**Content Overview:**

- Kinetics
- Entropy and Energetics
- Chemical Equilibria
- Acid-base Equilibria
- Organic Chemistry: Carbonyls, Carboxylic Acids and Chirality

**Assessment Overview:**

Section A: multiple choice questions

Section B: mixture of short-open, open-response, calculations and extended-writing questions

Section C: Data or calculation question

This paper will contain questions that require information from the Data Booklet.

This paper will include a **minimum** of 22 marks that target mathematical skills at IGCSE Higher level or above.

Students will be expected to apply their knowledge and understanding of experimental methods in familiar and unfamiliar contexts.

This paper may contain some synoptic questions which require knowledge and understanding from Units 1 & 2.

**Unit 5: Transition Metals and Organic Nitrogen Chemistry**

Written examination: 1 hour 45 minutes; Externally assessed

90 marks: 20% of total IAL

**Content Overview:**

- Redox Equilibria
- Transition Metals and their Chemistry
- Organic Chemistry: Arenes
- Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins
- Organic Synthesis

**Assessment Overview:**

Section A: multiple choice questions

Section B: mixture of short-open, open-response, calculations and extended-writing questions

Section C: contemporary context questions

This paper will contain questions that require information from the Data Booklet.

This paper will include a **minimum** of 18 marks that target mathematical skills at IGCSE Higher level or above.

Students will be expected to apply their knowledge and understanding of experimental methods in familiar and unfamiliar contexts.

This paper may contain some synoptic questions which require knowledge and understanding from Units 1, 2 and 4.

You will not be expected to carry out experiments during the exam; however, you are expected to develop your experimental skills, and a knowledge and understanding of practical techniques is necessary as any of the exam papers may assess your understanding of the scientific method, particularly in relation to the core practicals listed in the syllabus.

You will be provided with a Lab Book as well as other resources so you can familiarise yourself with the methods by watching appropriate video demonstrations and using hypothetical data. You will also be

supported by our science teachers - through timetabled sessions or through our CCA programme to develop your practical skills.

***How will the course help me?***

Qualifications in chemistry open up careers in many different fields. Chemistry is a requirement for those wishing to study medicine and other courses such as pharmacy. If a research based career is your goal, for example in pharmaceuticals, fuels or cosmetics, then again chemistry is a mandatory requirement. A good background in chemistry will also stand you in good stead if you choose to study engineering or the exciting and rapidly evolving areas of nanotechnology or biotechnology. In tomorrow's modern society, individuals who have a scientific background, combined with other qualifications, will find employment as, for example, patent lawyers or in international business management. Furthermore, the development of the enquiring mind that is a necessity for A level Chemistry is looked on favourably for degree courses in many other subjects.



***What will I need to start the course?***

You should have a strong foundation in scientific knowledge. You must have at least a grade B / 6 in both IGCSE Science and Mathematics as well as at least grade 4 / C in English language or in a baseline assessment at admissions.

***Who do I contact for further information?***

Mr James Wood [jwood@tpis.ac.th](mailto:jwood@tpis.ac.th)

For a detailed syllabus of the course see:

<https://qualifications.pearson.com/content/dam/pdf/International%20Advanced%20Level/Chemistry/2018/Specification-and-Sample-Assessment/International-A-Level-Chemistry-Spec.pdf>

For sample course materials please see: <https://wolseyhalloxford.instructure.com/courses/2068387/modules>

**Classical Studies**  
**Cambridge International AS**  
**Blended Learning Programme - Only available to AS Level**  
**Examinations: November 2023**

IAS Level Classical Studies involves the study of the civilisations of Greece and Rome in the Classical period. Its multi-disciplinary approach combines elements of History, Literature and History of Art. The world of the Greeks and Romans has had an astonishing influence on the western world. The evidence is all around Europe and the language, buildings and politics.

### **Aims**

The aims of this course are to:

- provide students with an understanding of Greek and Roman civilisation and to encourage appreciation of the Classical world;
- enable students to understand the core foundations of Western traditions of architecture, art, history, literature, and political thought - traditions which have had major influences on the shape of the modern world;
- develop students' awareness of diversity in civilisations by understanding cultures, values and assumptions, which are different from contemporary views;
- encourage students to develop a personal response to a range of material from the Greek and Roman world.

Roman Civilisation 1 hour 30 minutes 50 marks Structured question and essay questions. Candidates answer questions on one topic from a choice of Augustus, Virgil's Aeneid or Architecture of the Roman City. Candidates answer two questions, one compulsory source-based question and one essay question on their chosen topic. Externally assessed 50% of the AS Level 25% of the A Level

### **How will I be assessed?**

<b>AS Level - Examinations November 2023</b>
<p><b>Paper 1: Greek Civilisation</b> Written examination: 1 hour 30 minutes; Externally assessed 50 marks - 50% of IAS Level</p> <p><b>Content Overview:</b></p> <ul style="list-style-type: none"><li>• <i>The Frogs and Other Plays</i> by Aristophanes</li><li>• <i>Lysistrata and Other Plays</i> by Aristophanes</li></ul> <p><b>Assessment Overview:</b> Students answer two questions: one compulsory source-based question and one essay question</p>
<p><b>Paper 2: Roman Civilisation</b> Written examination: 1 hour 30 minutes; Externally assessed 50 marks: 50% of IAS Level</p> <p><b>Content Overview:</b></p> <ul style="list-style-type: none"><li>• <i>The Aeneid</i> by Virgil</li></ul> <p><b>Assessment Overview:</b> Students answer two questions: one compulsory source-based question and one essay question.</p>






### **How will the course help me?**

An IAS Level in Classical Studies will hone your analytical and evaluative skills and teach you to develop and support independent arguments in your essays. It complements A Levels in English Literature, History, Philosophy and Politics and the skills you will acquire provide a solid foundation for the further study of Classics, Archaeology, English, History, History of Art, Politics, Philosophy or Drama at university.



***What will I need to start the course?***

- All of the set texts are studied in English, so you do not need to be able to read in Greek or Latin.
- A minimum of Grade B / 6 in either IGCSE English Literature or History is required to enrol on this course.
- A minimum of Grade C / 4 in both English Language and Maths is required to enrol on this course.

***Who do I contact for further information?***

Mr James Kemp [jkemp@tpis.ac.th](mailto:jkemp@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/557256-2022-2024-syllabus.pdf>

For sample course materials please see: <https://wolseyhalloxford.instructure.com/courses/2069053/modules>

**Computer Science**  
**Cambridge International AS / A Level (9618)**  
**Blended Learning Programme**

International A Level Computer Science encourages learners to meet the needs of Higher Education courses in computer science as well as those of 21st century digital employers. It encourages learners to think creatively, through applying practical programming solutions, demonstrating that they are effective users of technology. They will also be able to appreciate the ethical issues that arise with current and emerging computing technologies.

**Aims**

The aims of this course are to enable students to develop:

- computational thinking skills;
- an understanding of the main principles of solving problems using computers;
- an understanding of the component parts of computer systems and how they interrelate, including software, data, hardware, communication and people;
- an understanding of the different methods of communication and the functionality of networks and the internet;
- the skills necessary to apply this understanding to develop computer-based solutions to problems.

**How will I be assessed?**

**AS Level - Year 12**

**Paper 1: Theory Fundamentals**

Written examination: 1 hour 30 minutes; Externally assessed

75 marks - 50% of IAS Level; 25% of total IAL

**Content Overview:**

- Information representation
- Communication
- Hardware
- Processor Fundamentals
- System Software
- Security, privacy and data integrity
- Ethics and Ownership
- Databases

**Assessment Overview:**

Students answer all questions.

**Paper 2: Fundamental Problem-solving and Programming Skills**

Written examination: 2 hours; Externally assessed

75 marks: 50% of IAS Level; 25% of total IAL

**Content Overview:**

- Algorithm Design and Problem-Solving
- Data Types and Structures
- Programming
- Software Development

**Assessment Overview:**

Students will be required to answer questions in pseudocode.

## **A Level - Year 13**

### **Paper 3: Advanced Theory**

Written examination: 1 hour 30 minutes; Externally assessed

75 marks - 25% of total IAL

#### **Content Overview:**

- Data Representation
- Communication and information technologies
- Processors, Parallel Processing and Virtual Machines
- System Software
- Security
- Artificial Intelligence (AI)
- Computational thinking and problem solving
- Further Programming

#### **Assessment Overview:**

Students answer all questions.

### **Paper 4: Practical**

Practical examination using offline computer; Externally assessed

75 marks - 25% of total IAL

#### **Content Overview:**

- Computational thinking and problem solving
- Further Programming

#### **Assessment Overview:**

This paper will assess the computational thinking and problem solving and further programming sections of the syllabus, 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 VB.Net or Python programming languages.

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### **How will the course help me?**

How we use computers and computer programs has utterly defined the world we live in today and it is computer scientists who connect the abstract with reality, creating the products we use daily. With its foundations in mathematics, computer science spans hardware and software engineering, the user interface and computer technology's expansion into new areas. Through studying this course, you will learn to be confident using a range of technology and programming paradigms; responsible in using technology ethically; reflective as a programmer, improving your own programming solution; innovative creating efficient solutions to problems; and engaged in technology - how it is built and how software solutions are developed.

### **What will I need to start the course?**

- It is not essential for you to have studied Computer Science at IGCSE level, although it is desirable that you have some previous experience of programming.
- If you have taken IGCSE Computer Science, a minimum of Grade C / 5 is expected.
- Problem-solving ability is essential for this course, so Grade B / 6 in IGCSE maths is required.
- IGCSE English Language Grade C / 4

### **Who do I contact for further information?**

Ms Nina Ezekiel [nezekiel@tpis.ac.th](mailto:nezekiel@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/502962-2021-2023-syllabus.pdf>

For sample course materials see:

<https://wolseyhalloxford.instructure.com/courses/2068780/modules>

**Economics**  
**Cambridge International AS / A Level (9708)**  
**Blended Learning Programme**

International A Level Economics will give you an in-depth understanding of the impact of economics on societies around the world, as well as an appreciation of how the market economy influences national and international policy. A detailed analysis of the European Union will also help prepare you for a variety of career opportunities.

### **Aims**

The aims of this course are to enable students to:

- know and understand the terminology, concepts, theories and principles of economics;
- express ideas in writing and using statistics and diagrams, or other methods, where appropriate;
- develop the habit of using works of reference as sources of information specific to economics;
- read critically to gain information about the changes in the wider economic and social environment;
- appreciate the methods of study that economists use, and the most effective ways economic information may be analysed, correlated, discussed, evaluated and presented;
- develop an interest in and enthusiasm for economics that could lead to further study.

### **How will I be assessed?**

#### **AS Level - Year 12**

##### **Paper 1: Multiple Choice**

Written examination: 1 hour; Externally assessed  
 30 marks - 33% of IAS Level; 17% of total IAL

##### **Content Overview:**

- Basic economic ideas and resource allocation
- The price system and the microeconomy
- Government microeconomic intervention
- The macroeconomy
- Government macroeconomic intervention
- International economic issues

##### **Assessment Overview:**

Students answer 30 multiple choice questions

##### **Paper 2: Data Response and Essays**

Written examination: 2 hours; Externally assessed  
 60 marks: 67% of IAS Level; 33% of total IAL

##### **Content Overview:**

- Basic economic ideas and resource allocation
- The price system and the microeconomy
- Government microeconomic intervention
- The macroeconomy
- Government macroeconomic intervention
- International economic issues

##### **Assessment Overview:**

**Section A:** One data response question (20 marks)

**Section B:** One essay from a choice of two focusing mainly on microeconomics: two-part questions (20 marks)

**Section C:** One essay from a choice of two focusing mainly on macroeconomics: two-part questions (20 marks)

#### **A Level - Year 13**

##### **Paper 1: Multiple Choice**

Written examination: 1 hour 15 minutes; Externally assessed  
 30 marks - 17% of total IAL

##### **Content Overview:**

- The price system and the microeconomy (additional content)
- Government microeconomic intervention (additional content)
- The macroeconomy (additional content)

- Government macroeconomic intervention (additional content)
- International economic issues (additional content)
- Government macroeconomic intervention (additional content)
- International economic issues (additional content)

**Assessment Overview:**

Students answer 30 multiple choice questions.

Questions are based on the A Level subject content; knowledge of material from the AS Level subject content is assumed.

**Paper 4: Data Response and Essays**

Written examination: 2 hours; Externally assessed

60 marks: 67% of IAS Level; 33% of total IAL

**Content Overview:**

- The price system and the microeconomy (additional content)
- Government microeconomic intervention (additional content)
- The macroeconomy (additional content)
- Government macroeconomic intervention (additional content)
- International economic issues (additional content)
- Government macroeconomic intervention (additional content)
- International economic issues (additional content)

**Assessment Overview:**

*Section A:* One data response question (20 marks)

*Section B:* One essay from a choice of two focusing mainly on microeconomics: unstructured (20 marks)

*Section C:* One essay from a choice of two focusing mainly on macroeconomics: unstructured (20 marks)

**How will the course help me?**

You will learn how to explain and analyse economic issues and arguments, evaluate economic information and organise, present and communicate ideas and judgements clearly. At the end of this stimulating International A Level Economics course you will have a solid basis on which to build a career in banking, finance or government. Studying economics at A Level can also open up a whole host of other career and further study opportunities in areas such as advertising, business, journalism, and management consultancy.

**What will I need to start the course?**

- Grade C / 4 or above in English language and mathematics
- Some universities advise that combinations of A Level subjects with similar content should be avoided (e.g. Economics *and* Business). You are advised to contact universities before making decisions about subject combinations that include both these subjects.

**Who do I contact for further information?**

Miss Alison Bourke [abourke@tpis.ac.th](mailto:abourke@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/595463-2023-2025-syllabus.pdf>

For sample course materials see:

<https://wolseyhalloxford.instructure.com/courses/2068585/modules>



**English General**  
**Cambridge International IAS (8021)**  
**Blended Learning Programme AS Level only**

An International AS level English General course will develop your understanding and use of English in a range of contexts. You will learn how to incorporate key details into your writing in order to support your argument, as well as honing your skills in interpretation, analysis, reasoning, evaluation and persuasion. These skills are all highly transferable and will help you in your other subjects as well as equipping you for higher education or employment.

### **Aims**

The aims of this course are to enable students to:

- develop understanding and use of English language in the context of contemporary topics;
- encourage and appraise a broad range of topics;
- develop a wider awareness and knowledge of contemporary issues through reading;
- develop independent reasoning skills;
- develop the skills of interpretation, analysis, evaluation and persuasion;
- develop skills in writing structured and developed arguments, and present reasoned explanations;
- develop the ability to present a point of view clearly, and consider and reflect upon those of others.

### **How will I be assessed?**

#### **AS Level - Year 12**

##### **Paper 1: Essay**

Written examination: 1 hour 15 minutes; Externally assessed

30 marks - 50% of IAS Level

##### **Content Overview:**

- Economic, historical, moral, political and social
- Science, including its history, philosophy, ethics, general principles and applications; environmental issues; technology and mathematics
- Literature, language, the arts, crafts and the media

##### **Assessment Overview:**

Students answer one essay question from a choice of 10 drawn from the broad topic areas outlined in the content overview.

##### **Paper 2: Data Response and Essays**

Written examination: 1 hour 45 minutes; Externally assessed

30 marks: 50% of IAS Level

##### **Content Overview:**

##### **Content Overview:**

- Economic, historical, moral, political and social
- Science, including its history, philosophy, ethics, general principles and applications; environmental issues; technology and mathematics
- Literature, language, the arts, crafts and the media

##### **Assessment Overview:**

Students answer compulsory questions based on reading material provided. The reading material provided will be drawn from the broad topic areas outlined in the content overview.

### **How will the course help me?**

You will consider topics within local and international contexts. You should be able to draw upon knowledge and understanding gained from studying other subjects. Through the study of these broad topic areas, you will develop effective reading and writing skills in English. You will work with information, ideas and opinions. You will analyse and evaluate opinions and ideas. You will also learn how to build an argument. These skills are all highly transferable and will help you in other subjects they are studying, and equip you for higher education or employment.

### **What will I need to start the course?**

- Grade C / 4 or above in English language or Grade B / 6 in English as a Second Language

***Who do I contact for further information?***

Mr James Kemp [jkemp@tpis.ac.th](mailto:jkemp@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/557265-2022-2024-syllabus.pdf>

For sample course materials see:

<https://wolseyhalloxford.instructure.com/courses/2068592/modules>

## English Language Cambridge International A Level (9093) Blended Learning Programme

The study of International A Level English Language allows you to develop a critical understanding of a wide variety of texts, both written and spoken. These are taken from a range of sources including journalism, biographies, advertisements, speeches, blogs, and fiction. You will be guided through the fundamental building blocks of language and its use: grammar, structure and style. Your analytical skills will be developed as you break texts down, learning how writers have created particular effects for specific audiences and purposes.

### **Aims**

The aims and objectives of this qualification are to enable students to:

- enjoy the experience of studying English language
- develop a critical and informed response to texts in a range of forms, styles and contexts, produced for a variety of audiences;
- communicate effectively, creatively, accurately and appropriately in their writing;
- develop the interdependent skills of reading, analysis and research;
- develop an appreciation of concepts and techniques in the study of English language;
- build a firm foundation for further study of language and linguistics.

Reading 2 hours 15 minutes 50 marks Candidates answer two compulsory questions: Question 1 in Section A, and Question 2 in Section B. Externally assessed 50% of the AS Level 25% of the A Level

### **How will I be assessed?**

<p><b>AS - Year 12</b>  <b>Paper 1 - Reading</b>  Written paper - 2 hours 15 minutes  50 marks: 50% of AS level / 25% of A level</p> <p>Two compulsory questions based on unseen texts.</p>	<p><b>AS - Year 12</b>  <b>Paper 2 - Writing</b>  Written paper - 2 hours  50 marks - 50% of AS level / 25% of A level</p> <p>Students answer two questions: one compulsory question from Section A, and one question from a choice of three in Section B.</p>
<p><b>IAL - Year 13</b>  <b>Paper 3 - Language Analysis</b>  Written paper - 2 hours  50 marks - 25% of A level</p> <p>Students answer two compulsory questions:  <i>Section A:</i> Language change  <i>Section B:</i> Child language acquisition</p>	<p><b>IAL - Year 13</b>  <b>Paper 4 - Language Topics</b>  Written paper - 2 hours 15 minutes  50 marks - 25% of A level</p> <p>Students answer two compulsory questions  <i>Section A:</i> English in the world  <i>Section B:</i> Language and the self</p>

### ***How will this course help me?***

As well as developing the skills of analysing written texts, you will also develop an understanding of how we use spoken language, learning how and why we acquire language and speech skills from birth, and understanding the links between language, culture and identity. You will also explore the rise of English as a global language and its future vis à vis other cultures and languages around the world. You will also develop the transferable skills of:

- sustaining accurate and consistent writing
- producing informed responses appropriate to the specified form, style, context, and audiences;
- conveying knowledge and understanding from both specific examples and wider studies.

Studying English Literature opens up a very wide field of career opportunities for you. These most commonly include digital media, journalism, publishing, teaching and academic roles. Your great communication and creative skills will also be looked upon very favourably in advertising, marketing and public relations. These careers also tie in with media roles and are a great way to use your strong communication skills and creativity. In addition, English Literature can often be an avenue to studying Law.

### ***What will I need to start the course?***

- Those considering taking this subject should be aware of the high level of written English expected by examiners. You should therefore not select this course with the primary aim of 'improving your English'. You need to begin the course with an already high level of English if you are to obtain a good grade.
- You must have gained at least grade A or 7 in IGCSE English Language before enrolling on this course.
- You must also have gained a Grade C / 4 in IGCSE Mathematics.

### ***Who do I contact for further information?***

[admissions@tpis.ac.th](mailto:admissions@tpis.ac.th)

For a detailed syllabus of the course, please see:

<https://www.cambridgeinternational.org/Images/502932-2021-2023-syllabus.pdf>

For sample course materials, please see:

<https://wolseyhalloxford.org.uk/course/as-level-english-general-paper/>

**English Literature**  
**Cambridge International A Level (9695)**  
**Blended Learning Programme**

An International A Level in English Literature course will introduce you to some of the greatest poetry, prose and drama ever written. You will learn how to approach the analysis of texts from a range of different genres, eras and cultures with confidence. You'll also learn how to express informed and independent opinions and judgements about them based on sound evidence.

Analytical skills are central to this subject and you will learn how to identify key literary and linguistic features and how to write about the ways in which writers use these to create specific effects. You will also learn how to incorporate critical viewpoints into your essays to support and develop your own arguments.

**Aims**

The aims and objectives of this qualification are to enable students to:

- enjoy the experience of reading literature;
- develop an appreciation of and an informed personal response to literature in English in a range of texts in different forms, and from different periods and cultures;
- communicate effectively, accurately and appropriately in written form;
- develop the interdependent skills of reading, analysis and communication;
- analyse and evaluate the methods writers use in creating meaning and effects;
- encourage wider reading and an understanding of how it may contribute to personal development;
- build a firm foundation for further study of literature.

Drama and Poetry 2 hours 50 marks Candidates answer two questions: one question from Section A: Drama and one question from Section B: Poetry. Externally assessed 50% of the AS Level 25% of the A Level

**How will I be assessed?**

<p><b>AS - Year 12</b>  <b>Paper 1 - Drama and Poetry</b>  Written paper - 2 hours  50 marks: 50% of AS level / 25% of A level</p> <p><i>Section A: Drama: Measure for Measure by William Shakespeare</i></p> <p><i>Section B: Poetry: Collected Poems (1997) by Gillian Clarke</i></p>	<p><b>AS - Year 12</b>  <b>Paper 2 - Prose and Unseen</b>  Written paper - 2 hours  50 marks - 50% of AS level / 25% of A level</p> <p><i>Section A: Prose: Atonement by Ian McEwan</i>  <i>Section B: Unseen</i></p>
<p><b>IAL - Year 13</b>  <b>Paper 3 - Shakespeare and Drama</b>  Written paper - 2 hours  50 marks - 25% of A level</p> <p>Students answer two compulsory questions:  <i>Section A: Shakespeare (text TBA)</i>  <i>Section B: Drama (text TBA)</i></p>	<p><b>IAL - Year 13</b>  <b>Paper 4 - Pre- and Post-1900 Poetry &amp; Prose</b>  Written paper - 2 hours  50 marks - 25% of A level</p> <p>Students answer two compulsory questions  <i>Section A: Pre-1900 poetry &amp; prose</i>  <i>Section B: Post-1900 poetry &amp; prose.</i></p>



### ***How will this course help me?***

The course will focus on very important skills which can be applied to a very wide range of university courses and careers. You will learn about the importance of the relationship between texts and making connections between texts. The significance of the cultural and contextual influences under which literary texts are written and received. How to respond creatively, relevantly and in an informed way to texts using appropriate terminology and concepts as well as coherent and accurate written expression. How to analyse texts from a critical perspective. An IAL in English Literature provides an important foundation for any degree or career involving excellent written communication, research and analytical skills. It will open up many careers including journalism, teaching, law, academia, media, advertising, marketing, politics and the performing arts.

### ***What will I need to start the course?***

Ideally, you will have taken the IGCSE English Literature course and got a 6 or higher. You need to be self-motivated, an avid reader, and an independent learner as the course will feature a lot of critical theory and research-based learning. These are attributes which will prove essential when you move on to university, regardless of the course you decide to take.

### ***Who do I contact for further information?***

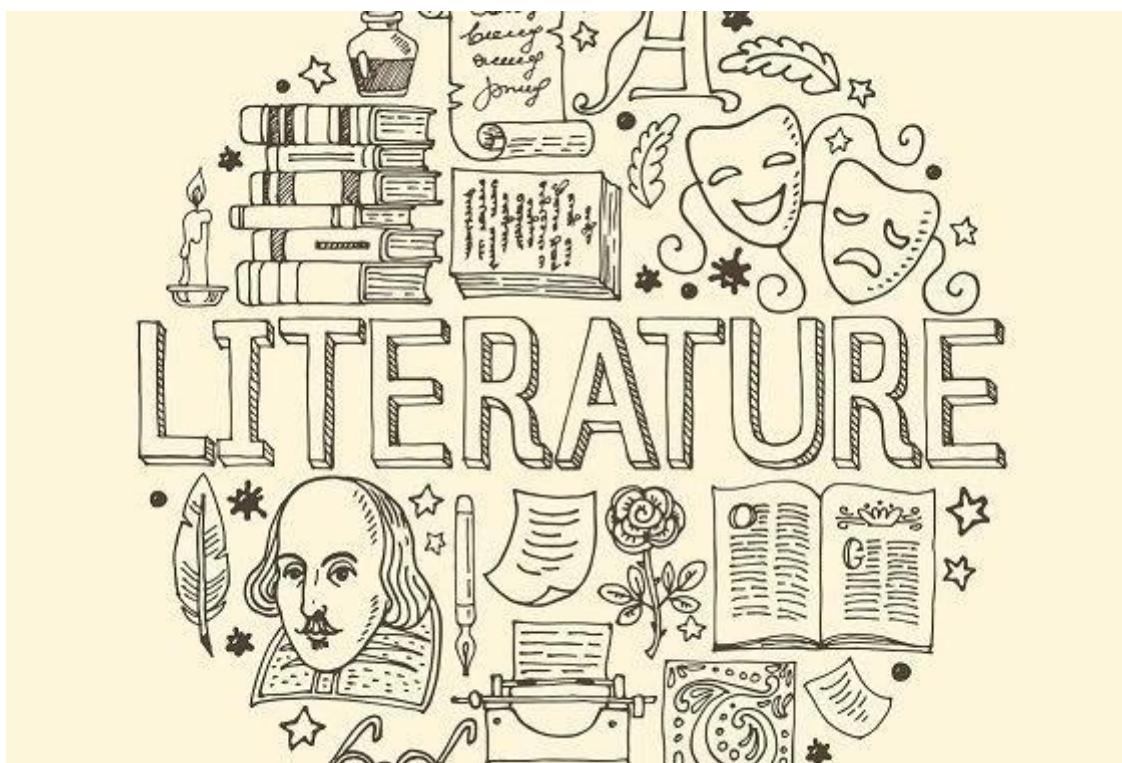
[admissions@tpis.ac.th](mailto:admissions@tpis.ac.th)

For a detailed syllabus of the course, please see:

[https://qualifications.pearson.com/content/dam/pdf/International%20Advanced%20Level/english-literature/2015/specification-and-sample-assessments/IAL\\_English\\_Lit\\_spec\\_issue\\_5.pdf](https://qualifications.pearson.com/content/dam/pdf/International%20Advanced%20Level/english-literature/2015/specification-and-sample-assessments/IAL_English_Lit_spec_issue_5.pdf)

For a detailed syllabus of the course, please see:

<https://wolseyhalloxford.instructure.com/courses/2068627/modules>



**Further Mathematics**  
**Cambridge AS and A Level (9231)**  
**Blended Programme**

***Only available for students who have already achieved Grade A at A Level***

An International A Level in Further Maths allows you to develop skills which will help you study a range of STEM subjects at a higher level. It strengthens transferable skills such as logical thinking, modelling and analysis. It is also highly valued when applying to university for competitive courses such as medicine, computer science and engineering.

**Aims**

The aims of this course are to enable students to:

- further develop their mathematical knowledge and skills in a way which encourages confidence and provides satisfaction and enjoyment;
- develop a greater understanding of mathematical principles and a further appreciation of mathematics as a logical and coherent subject;
- acquire a greater range of mathematical skills, particularly those which will enable them to use applications of mathematics in the context of everyday situations and of other subjects they may be studying;
- further develop the ability to analyse problems logically;
- recognise when and how a situation may be represented mathematically, identify and interpret relevant factors and select an appropriate mathematical method to solve the problem;
- use mathematics fluently as a means of communication with emphasis on the use of clear expression;
- acquire the mathematical background necessary for further study in mathematics or related subjects.

**How will I be assessed?**

AS Level (Year 12) students take Paper 1 and Paper 3 OR Paper 4		
<b>Paper 1: Further Pure Maths 1</b> 2 hours; externally assessed 75 marks: 60% of IAS / 30% IAL 6 - 8 structured questions	<b>Paper 3: Further Mechanics</b> 1 hour 30 minutes 50 marks: 40% IAS / 20% IAL 5 - 7 structured questions	<b>Paper 4: Further Probability &amp; Statistics</b> 1 hour 30 minutes 50 marks: 40% IAS / 20% IAL 5 - 7 structured questions

AS Level (Year 12) students take Paper 1 and Paper 3 OR Paper 4		
<b>Paper 2: Further Pure Maths 2</b> 2 hours; externally assessed 75 marks: 60% of IAS / 30% IAL 6 - 8 structured questions	<b>Paper 3: Further Mechanics</b> 1 hour 30 minutes 50 marks: 40% IAS / 20% IAL 5 - 7 structured questions	<b>Paper 4: Further Probability &amp; Statistics</b> 1 hour 30 minutes 50 marks: 40% IAS / 20% IAL 5 - 7 structured questions

***Who should take this course?***

***What will I need to start the course?***

- You must have already achieved (or be predicted) a Grade A at A level mathematics
- Grade 4 / C in IGCSE English Language

***Who should I contact for more information?***

Miss Alison Bourke [abourke@tpis.ac.th](mailto:abourke@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/597381-2023-2025-syllabus.pdf>

For sample course materials, please see:

<https://wolseyhalloxford.instructure.com/courses/2068593/modules>

## Geography

### Cambridge AS and A Level (9696)

#### Blended Learning Programme

There has never been a better or more important time to study A level Geography. Dealing with vital issues such as climate change, migration, environmental degradation, social issues and natural hazards, A level Geography is one of the most relevant subjects you could choose to study. Students enjoy the scope of the material they cover in geography, the insights it can provide into the world around us and the highly contemporary nature of the issues it tackles.

An International A Level Geography course is a 'facilitating subject'. Its combination of physical and social sciences, data skills and real-world applications, makes geography a highly relevant subject to study and the perfect companion to any other humanities or science subjects. Geography is the bridge between the natural and social sciences, providing its own specialist knowledge and skills and the valuable interdisciplinary approaches needed to address pressing global issues from climate change and migration, to environmental change and social cohesion. Geography is fundamental to understanding and interpreting spatial and temporal change and issues affecting people, places and environments. It encourages students to understand contemporary issues and the complexity of environmental systems. Students gain an understanding of the impacts of human activity on environments and how these impacts can be managed sustainably.

#### **Aims**

The aims of this course are to enable students to:

- Develop awareness of the relevance of geography to understanding and solving contemporary environmental problems;
- Understand the main concepts of physical geography and human geography and the interdependence between them;
- Understand the processes operating at different scales within physical and human environments;
- Develop a sense of space, place and location;
- Explain the causes and effects of change over space and time on physical and human environments;
- Understand the importance of scale in studying geography;
- Develop an appreciation of the nature, value, limitations and importance of different approaches of analysis and explanation in geography;
- Increase knowledge of, and ability to use and apply, appropriate skills and techniques including fieldwork;
- Develop a concern for accuracy and objectivity in collecting, recording, processing, presenting, analysing and interpreting geographical data;
- Develop the ability to interpret and evaluate different sources and types of information;
- Develop a logical approach in order to present a structured, coherent and evidence-based argument.

#### **How will I be assessed?**

<p><b>AS: Paper 1: Core Physical Geography</b> Written paper - 1 hour 30 minutes - 60 marks 50% of AS level 25% of A level</p> <p><b>Content overview</b></p> <ul style="list-style-type: none"> <li>• Hydrology and fluvial geomorphology</li> <li>• Atmosphere and weather</li> <li>• Rocks and weathering</li> </ul>	<p><b>AS: Paper 2: Core Human Geography</b> Written paper - 1 hour 30 minutes - 60 marks 50% of AS level 25% of A level</p> <p><b>Content overview</b></p> <ul style="list-style-type: none"> <li>• Population</li> <li>• Migration</li> <li>• Settlement dynamics</li> </ul>
<p><b>IAL: Paper 3: Advanced Physical Geography Options</b></p>	<p><b>IAL: Paper 4: Advanced Human Geography Options</b></p>

Written paper - 1 hour 30 minutes - 60 marks  
25% of A level

Students must answer questions on the following topics:

- Tropical environments
- Hazardous environments

Written paper - 1 hour 30 minutes - 60 marks  
25% of A level

Students must answer questions on the following topics:

- Global interdependence
- Economic transition

### ***Who should take this course?***

In order to study A level geography, you need to have an enquiring and open mind. Geography is a study of the world around us and you need to become aware of issues worldwide, not just in Thailand or Asia. You need to be able to debate issues such as migration and to think about them from political and social perspectives also. Your opinion is important, but you also need to think about debates from someone else's perspective. Reading newspapers and articles to keep your subject knowledge up-to-date is vital.

A level geography is a versatile qualification that is well respected by employers and universities alike. Employers value geography qualifications because geography students can think logically and analytically. They are accurate and objective in collecting, recording, processing, presenting, analysing and interpreting data. They can also interpret and evaluate different sources and types of information and present a structured, coherent and evidence-based argument. If you want to better understand our world, a rewarding job that pays well and to help shape the future, then look no further: choose Geography.

### ***What will I need to start the course?***

There is no requirement to have studied iGCSE Geography, but it can provide a head start to the information you have to learn. Having an interest in current affairs and reading newspapers is most important as this informs a lot of in-class discussion. You'll need a reasonable standard of maths and English to cope with the writing and the work on graphs and data.

A basic grasp of maths is required and the ability to interpret graphs and analyse them is fundamental, along with basic map skills. There is a lot of information and new vocabulary to learn so you'll need to do regular retrieval practice.

### ***Who should I contact for more information?***

Mr Jimmy Schultz, Teacher of Geography: [jschultz@tpis.ac.th](mailto:jschultz@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/502968-2021-2022-syllabus.pdf>

For sample course materials please see: <https://wolseyhalloxford.instructure.com/courses/2020265/modules>





## History

### Cambridge International AS and A Level (9489)

#### Blended Learning Programme

An International A Level History course allows you to make connections between the world of today and the world of the past. When we analyse important historical events, we learn about the consequences of people's actions and we can apply this knowledge to our understanding of current affairs, learning valuable lessons for the future. This qualification enables students to develop independent learning, critical thinking skills and application to historical contexts, themes and approaches to historical enquiry. Moreover, this course will help to prepare the students for further study by encouraging them to construct a reasoned argument in a piece of extended writing to support a considered judgment and develop teamwork through working with other students on researching a theme related to a historical issue or development.

#### **Aims**

The aims and objectives of these qualifications are to enable students to develop:

- an interest in the past and an appreciation of human endeavour;
- a greater knowledge and understanding of historical periods or themes;
- a greater awareness of historical concepts such as cause and consequence, change and continuity, similarity and difference, significance and interpretations;
- an appreciation of the nature and diversity of historical sources available, and the methods used by historians;
- an exploration of a variety of approaches to different aspects of history and different interpretations of particular historical issues;
- the ability to think independently and make informed judgements on issues;
- an empathy with people living in different places and at different times;
- a firm foundation for further study of history.

#### **How will I be assessed?**

<p><b>IAS - Year 12: American Option</b>  <b>Paper 1: Document Question</b>                  2 hours; 40 marks; Externally assessed                  40% of the total IAS                  20% of the total IAL</p> <p><b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• The origins of the Civil War, 1820-61</li> <li>• Civil War and Reconstruction, 1861-77</li> <li>• The Gilded Age &amp; Progress Era, 1870 -1920</li> <li>• The Great Crash, The Great Depression &amp; the New Deal policies, 1920-41</li> </ul> <p><b>Assessment overview:</b>                  One two-part document question.</p>	<p><b>IAS - Year 12: American Option</b>  <b>Paper 2: Outline Study</b>                  1 hour 45 minutes; 60 marks; Externally assessed                  60% of the total IAS                  30% of the total IAL</p> <p><b>Content Overview:</b></p> <ul style="list-style-type: none"> <li>• The origins of the Civil War, 1820-61</li> <li>• Civil War and Reconstruction, 1861-77</li> <li>• The Gilded Age &amp; Progress Era, 1870 -1920</li> <li>• The Great Crash, The Great Depression &amp; the New Deal policies, 1920-41</li> </ul> <p><b>Assessment Overview:</b>                  Two two-part questions from a choice of three.</p>
<p><b>IAL - Year 13: The Holocaust</b>  <b>Paper 3: Interpretations Question</b>                  1 hour 15 minutes; 40 marks                  20% of the total IAL</p> <p><b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• The background of European and German anti-Semitism and racist theories</li> <li>• Nazi anti-Semitism and persecution of the Jews, 1933 - 41</li> <li>• The impact of war on Nazi policy towards the Jews</li> <li>• Ghettoisation and Jewish responses to the Holocaust</li> <li>• The development of Nazi extermination policies towards Jews and other minorities</li> </ul>	<p><b>IAL - Year 13: European Option</b>  <b>Paper 4: Depth Study</b>                  1 hour 45 minutes; 60 marks                  30% of the total IAL</p> <p><b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Mussolini's Italy, 1919 - 1941</li> <li>• Stalin's Russia, 1924 - 1941</li> <li>• Hitler's Germany, 1929 - 1941</li> <li>• Britain, 1919 - 1941</li> </ul> <p><b>Assessment Overview:</b>                  Students answer two questions.</p>

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| <ul style="list-style-type: none"> <li>• Contemporary reactions to the Holocaust</li> </ul> <p><b>Assessment Overview:</b><br/>Students answer one interpretations question.</p> |  |
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***Is this a suitable option for me?***

Designed for the global learner, this qualification includes specific international content, making it highly relevant to students across the world. You should have a strong interest in history, as a subject, particularly that of the 18th to 20th centuries, and be curious to learn more about important developments throughout modern history. You must also be an avid reader as there will be much required wider reading.

***How will the course help me?***

Transferable skills are key to being successful in your next stage of education and in wider life. This course provides learners' with the opportunity for a broad and deep development of these skills. For example, students will develop:

- Critical thinking skills: develop a critical perspective on an aspect of history.
- Reasoning: construct a reasoned argument in a piece of extended writing to support a considered judgment about an historical issue or about an interpretation of history.
- Teamwork: working with other students on researching a theme related to a historical issue or development.

History is a subject which is held in high regard and is widely recognised by both universities and employers for its academic merits. It will enable you to pursue a wide range of courses at university, including archaeology, politics, classical studies, English literature, law and economics, to name just a few. Students of A Level History often go on to work in careers such as academic, business, economics, law, politics, archaeology and journalism.

***What will I need to start the course?***

- Grade B / 6 at IGCSE History
- Grade C / 4 at IGCSE English language
- Grade C / 4 at IGCSE Mathematics

***Who do I contact for further information?***

Mr James Kemp, [jkemp@tpis.ac.th](mailto:jkemp@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/502955-2021-2023-syllabus.pdf>

For sample course materials see: <https://wolseyhalloxford.instructure.com/courses/2068639/modules>

**History of Art**  
**Edexcel A Level (9HT0)**  
**Blended Learning Programme**  
*No AS Level option: All exams must be taken at the end of Year 13 - Linear*

An A Level History of Art course involves the study of art and architecture ranging from the classical period through to the twentieth century. You will learn the skills and technical vocabulary necessary to analyse material from a diverse range of cultures and eras and will develop your critical and evaluative skills as you study key works of art and architecture within their historical contexts. Key periods student include the Renaissance in Italy (1420 - 1520) and the British and French Avant-Garde (1848 - 1899).

### **Aims**

The aims and objectives of these qualifications are to enable students to:

- engage actively and independently in historical, theoretical and critical study of art;
- be encouraged, where possible, to research and investigate art through first-hand experience of works of art;
- understand the relationship between society, culture, technology, politics and art;
- understand the ways in which art has been used and interpreted by past and present societies;
- understand the influences on, and contributions of, artists;
- know key art historical terms, concepts and issues;
- understand how visual language is used by artists to communicate ideas, including formal characteristics, materials, techniques, and processes;
- be able to analyse and make critical judgements about art;
- use evidence to substantiate structured arguments about art'
- study a sufficient range of artists and works of art to ensure an appropriate depth and breadth of knowledge and understanding of specified movements/periods and themes.

### **How will I be assessed?**

<p><b>Unlike our other AS / A Level courses, this course is only offered as a linear A Level qualification. All assessments take place at the end of Year 13; there is no modular option available.</b></p>	
<p><b>Paper 1: Visual analysis and themes</b>  Written examination; 3 hours  110 marks; 50% of the A Level qualification  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Visual analysis</li> <li>• Themes</li> </ul> <p><b>Assessment overview:</b>  <b>Section A: Visual analysis</b> - For each of the following types of art and architecture, students answer a single compulsory question that requires them to comment on an unseen photograph of:</p> <ul style="list-style-type: none"> <li>• a painting;</li> <li>• a sculpture; and</li> <li>• a building</li> </ul> <p><b>Section B: Themes</b> - Students choose two themes from a choice of three and answer one two-part question on each of their chosen themes:</p> <ul style="list-style-type: none"> <li>• nature in art and architecture;</li> <li>• identities in art and architecture</li> <li>• war in art and architecture</li> </ul>	<p><b>Paper 2: Periods</b>  Written examination; 3 hours  110 marks; 50% of the A Level qualification  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Periods</li> </ul> <p><b>Assessment overview:</b>  Students choose two Periods from a choice of five and answer a single four-part compulsory question:</p> <ul style="list-style-type: none"> <li>• Invention and illusion: the Renaissance in Italy (1420 - 1520);</li> <li>• Power and persuasion: the Baroque in Catholic Europe (1597 - 1685);</li> <li>• Rebellion and revival: the British and French Avant-Garde (1848 - 1899)</li> <li>• Brave new world: Modernism in Europe (1900 - 1939);</li> <li>• Pop life: British and American contemporary art and architecture (1960 - 2015)</li> </ul>

***How will the course help me?***

All elements of this course equip students with skills for higher education and beyond: art history's inter-disciplinary benefits are key to this, as are the requirements for all students to learn to analyse, research and to create substantiated reasoned argument in written form. The course encourages wide reading and independent research and will hone your critical writing skills as you learn how to develop and support arguments in your essays.

For those planning to go to university, A Level History of Art complements A Levels in Classical Studies, English Literature, History and Philosophy. It is also a popular choice for students studying practical A Levels in Art & Design, as it provides a valuable grounding in key artistic traditions. The skills you will acquire provide a solid foundation for the study of art, archaeology, Classics, English literature, history or philosophy, as well as further study of history of art.

***What will I need to start the course?***

The most important thing is that you love learning about the past and have a passion for culture and the arts. Also, being curious and being able to explore your learning independently are important.

- Grade 4 / C in IGCSE English Language and mathematics are prerequisites to enrolling on the course.

***Who do I contact for further information?***

[admissions@tpis.ac.th](mailto:admissions@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/502955-2021-2023-syllabus.pdf>

For sample course materials see: <https://wolseyhalloxford.instructure.com/courses/2068406/modules>

**Information Technology**  
**Cambridge AS and A Level (9626)**  
**Taught in-school by TPIS teacher**

This syllabus encourages learners to become effective and discerning users of IT. It helps them to develop a broad range of IT skills, knowledge and understanding. Learners study the structure and use of IT systems within a wide range of organisations, including the use of a variety of computer networks. As a result, learners gain an understanding of IT system life cycles, and how these affect the workplace. They also learn about the wider impact of IT on society in general. At A Level, learners also study simple programming for the web relevant to their own use of IT.

### **Aims**

This course aims to enable students to:

- Develop a broad range of IT skills
- Develop an understanding of the parts, use and applications of IT systems within a range of organisations, including the use of basic computer networks
- Develop an understanding of how IT systems affect society in general
- Develop an understanding of the main system life cycle and apply this understanding to workplace situations
- Develop an understanding of project management skills (A Level only)
- Be aware of new and emerging technologies
- Be aware of the role of the internet and its potential but also its risks

### **What will I be taught?**

<b>AS Level Content</b> <ol style="list-style-type: none"> <li>1. Data processing and information</li> <li>2. Hardware and software</li> <li>3. Monitoring and control</li> <li>4. Algorithms and flowcharts</li> <li>5. eSecurity</li> <li>6. The digital divide</li> <li>7. Expert systems</li> <li>8. Spreadsheets</li> <li>9. Modelling</li> <li>10. Database and file concepts</li> <li>11. Sound and video editing</li> </ol>	<b>A Level students study topics 1 - 11 and:</b> <ol style="list-style-type: none"> <li>12. IT in society</li> <li>13. New and emerging technologies</li> <li>14. Communications technology</li> <li>15. Project management</li> <li>16. System life cycle</li> <li>17. Mail merge</li> <li>18. Graphics creation</li> <li>19. Animation</li> <li>20. Programming for the web</li> </ol>
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### **How will I be assessed?**

<b>Paper 1 (Theory)</b> 1 hour 45 minutes, 70 marks Written paper testing sections 1 - 11. 50% of AS level 25% of A level	<b>Paper 2 (Practical)</b> 2 hours 30 minutes, 90 marks Practical testing sections 8 - 11. 50% of AS level 25% of A level
<b>Paper 3 - (Advanced Theory)</b> 1 hour 45 mins, 70 marks Written paper testing sections 12 - 19. 25% of A level	<b>Paper 4 (Advanced Practical)</b> 2 hours 30 min. 90 marks Practical testing sections 17-20 and sections 8 - 10 within a problem-solving context. You will also need to use your previous knowledge from all sections of the syllabus. 25% of A level.



### ***Is this a suitable option for me?***

This course is suitable for anyone who would like to further develop their IT skills, using a variety of different software applications. You should enjoy using computers and in addition to learning a wide range of practical skills, also want to gain an understanding of the context in which they can be used at home and in the workplace.

This course also aims to build strong communication, problem-solving and decision-making skills. The skills acquired through study of IT will support further study in most subject areas and are highly valued by higher education institutions and employers.

### ***How will the course help me?***

IT offers a wide range of employment and higher education opportunities in areas such as computing and information technology but also provides a good grounding for much wider opportunities on degree courses such as multimedia, virtual reality, computer animation and interactive computer entertainment.

This course would particularly suit anyone considering a career in media, communications, publishing and technology or computing. However, the ability to prove you are both technologically literate and competent is highly valued in most areas of employment or future study.

### ***What will I need to start the course?***

Although it is helpful to have studied Computer Science at IGCSE level, it is also possible to start this subject fresh at AS Level but you will need to be committed and have a keen interest and enthusiasm for the subject. A passion and interest in the use of software and technology is important, as well as a curiosity in the functions and capability of different software applications.

### ***Who do I contact for further information?***

Miss Nina Ezekiel [nezekiel@tpis.ac.th](mailto:nezekiel@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/554602-2022-2024-syllabus.pdf>



**Mathematics**  
**Cambridge AS and A Level (9709)**  
**Blended Learning Programme**

This course allows students to develop a set of transferable skills. These include 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. Students 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.

***Aims***

This course enables you to:

- Develop your mathematical knowledge and skills in a way which encourages confidence and provides satisfaction and enjoyment
- Develop an understanding of mathematical principles and an appreciation of mathematics as a logical and coherent subject
- Acquire a range of mathematical skills, particularly those which will enable you to use applications of mathematics in the context of everyday situations and of other subjects you may be studying
- Develop the ability to analyse problems logically
- Recognise when and how a situation may be represented mathematically, identify and interpret relevant factors and select an appropriate mathematical method to solve the problem
- Use mathematics as a means of communication with emphasis on the use of clear expression
- Acquire the mathematical background necessary for further study in mathematics or related subjects.

***How will I be assessed?***

**AS Level**

<p><b>Paper 1 - Pure Mathematics 1</b>  Written paper - 1 hour 50 minutes  Externally assessed  10 to 12 structured questions based on the Pure Mathematics 1 subject content.  75 marks  60% of the AS Level  30% of the A Level</p>	<p><b>Paper 5 - Probability &amp; Statistics 1</b>  Written paper - 1 hour 15 minutes  Externally assessed  6 to 8 structured questions based on the Probability &amp; Statistics 1 subject content and requiring knowledge of Pure 1 content  50 marks  40% of the AS Level  20% of the A Level</p>
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**A Level**

<p><b>Paper 3 - Pure Mathematics 3</b>  Written paper - 1 hour 50 minutes  Externally assessed  9 to 11 structure questions based on the Pure Mathematics 3 subject content.  75 marks  30% of the A Level</p>	<p><b>Paper 4 - Mechanics 1</b>  Written paper - 1 hour 15 minutes  Externally assessed  6 to 8 structured questions based on the Mechanics 1 subject content and requiring knowledge of Pure 1 content  50 marks  20% of the A Level</p>
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***Is this a suitable option for me?***

A-Level Mathematics is a challenging and interesting course for anybody who has enjoyed the subject at school, who is prepared to work hard and who has a good understanding (at least grade 6) of all the material covered at IGCSE higher level.

***How will this course help me?***

The mathematics course is highly relevant if you are considering further study in the areas of science, business, economics, engineering, accountancy, architecture and it is very helpful for careers in the financial, technological and IT sectors.

In any career, a degree of competence in mathematics is desirable and, in many cases, essential. Recent statistics claim that people who have studied mathematics to A Level receive, on average, 10% more salary. A graduate with a degree in mathematics can qualify for a broad range of highly paid positions in business, industry, government and teaching. Companies in the computer and communications industries employ many mathematicians as do oil companies, banks, insurance companies and consulting firms.

***What will I need to start the course?***

You must have at least a grade 6 on IGCSE (or equivalent) Mathematics Higher papers as well as a Grade 4 / C in IGCSE English Language.

***What will I learn?***

In Pure Mathematics, you will extend your understanding of some topics you have already been introduced to, such as algebra, graphs of functions and trigonometry, as well as meeting new topics such as calculus, perhaps the most powerful and significant mathematical 'invention' of all time.

You will also study Mechanics 1 and Probability & Statistics 1 as separate modules. Mechanics is important if you are interested in the fields of engineering or physics as it develops skills in solving problems involving forces and motion. Statistics will teach you how to collect, summarise and interpret data and will introduce you to some of the most important statistical distributions used to model real-life situations. Having a knowledge of statistics is useful in almost all further degree level study.

***Who do I contact for further information?***

Miss Alison Bourke [abourke@tpis.ac.th](mailto:abourke@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/597421-2023-2025-syllabus.pdf>

For samples of course materials please see:

<https://wolseyhalloxford.instructure.com/courses/2068371/modules>

## Physics

### Cambridge AS and A Level (9702)

### Blended Learning Programme

A level physics gives you the opportunity to explore the phenomena of the universe, with theories that explain what is observed, and practical experiments to test those ideas. You will learn about everything from kinematics to cosmology, and many recent developments in fascinating topics, such as particle physics.

**Aims** The aims describe the purposes of a course based on this syllabus. The aims are to enable students to:

- acquire knowledge and understanding and develop practical skills, including efficient, accurate and safe scientific practices
- learn to apply the scientific method, while developing an awareness of the limitations of scientific theories and models
- develop skills in data analysis, evaluation and drawing conclusions, cultivating attitudes relevant to science such as objectivity, integrity, enquiry, initiative and inventiveness
- develop effective scientific communication skills, using appropriate terminology and scientific conventions
- understand their responsibility to others/society and to care for the environment
- enjoy science and develop an informed interest in the subject that may lead to further study.

#### **Aims**

This course enables you to:

- Acquire knowledge and understanding and develop practical skills, including efficient, accurate and safe scientific practices
- Learn to apply the scientific method, while developing an awareness of the limitations of scientific theories and models
- Develop skills in data analysis, evaluation and drawing conclusions, cultivating attitudes relevant to science such as objectivity, integrity, enquiry, initiative and inventiveness
- Develop effective scientific communication skills, using appropriate terminology and scientific conventions
- Understand their responsibility to others / society and to care for the environment
- Enjoy science and develop an informed interest in the subject that may lead to further study.

#### **How will I be assessed?**

##### **Advanced Subsidiary (AS)**

<b>Paper 1 - Multiple Choice</b> Written exam - 1 hour 15 minutes 40 marks 31% of the AS Level 15.5% of the A Level  40 multiple-choice questions of the four-type testing assessment objectives AO1 (knowledge & understanding) and AO2 (handling, applying and evaluating information)	<b>Paper 2 - Structured questions</b> Written exam - 1 hour 15 minutes 60 marks 46% of the AS Level 23% of the A Level  Structured questions testing assessment objectives AO1 and AO2.	<b>Paper 3 - Advanced Practical Skills</b> Practical test - 2 hours 40 marks 23% of the AS Level 11.5% of the A Level  This paper tests assessment objective AO3 (experimental skills and investigations) in a practical context.  Two questions assess the AS Level practical skills in the practical assessment section of the syllabus. The content of the questions may be outside the syllabus content.
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## A Level

<b>Paper 4 - A Level Structured Questions</b> Written paper - 2 hours 100 marks 38.5% of the A Level  Structured questions testing assessment objectives AO1 and AO2. Questions are based on the A Level syllabus content; knowledge of material from the AS Level syllabus content will also be required.	<b>Paper 5 - Planning, Analysis and Evaluation</b> Written paper - 1 hour 15 minutes 30 marks 11.5% of the A Level  Candidates answer two compulsory questions.  Questions are based on the A Level practical skills of planning, analysis and evaluation but may require knowledge of practical skills from the AS Level syllabus. The content of the questions may be outside the syllabus content.
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### ***Is this a suitable option for me?***

If you are interested in the limits of space, the beginning of time, and everything in between, this is the subject for you. Physics is more than a subject - it trains your brain to think beyond boundaries. A-Level physics is an interesting course for anybody who has enjoyed the subject at IGCSE. It is, however, a very challenging course and you must be prepared to work hard. A level physics is a mixture of highly conceptual thinking and very practical applications. You need to be able to think about abstract ideas such as fields, but be able to apply those ideas to how, for instance, electric motors work.

As this course is offered as a hybrid option, you must be able to work independently and manage your time well in order to complete and submit assignments.

### ***How will this course help me?***

Example degree courses which generally require A Level physics include: biomedical sciences, biochemistry, computing, electronics, economics, engineering, environmental science, forensic science, geology, medical science, medicine, meteorology, optometry, pharmacy, physiotherapy, sports science, veterinary science.

### ***Career pathways***

There are thousands of rewarding physics-related careers to choose from including careers in: astronomy, climate science, education, engineering, cyber-security, lasers and photonics, medical physics and digital healthcare, biophysics, robotics and artificial intelligence, VFX and game development, finance and law

### ***What will I need to start the course?***

Students must have achieved at least a grade B-B in IGCSE higher coordinated science as well as at least a grade 7 in IGCSE mathematics. Descriptive work also requires you to communicate clearly in writing.

### ***What will I learn?***

### ***Who do I contact for further information?***

Mr James Wood [jwood@tpis.ac.th](mailto:jwood@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/554625-2022-2024-syllabus.pdf>

For samples of course materials please see:

<https://wolseyhalloxford.instructure.com/courses/2068391/modules>

**Politics**  
**Edexcel A Level (9PL0)**  
**Blended Learning Programme**  
*Available as a stand-alone AS Level or full A Level if all exams taken at end of Y13*

Politics underpins the ever-changing society in which we live. As part of an A Level Politics course, you will examine the role politics play in current local, national and global issues, as well as studying key thinkers and political ideas. You will explore how people engage in the political process and will develop an understanding of contemporary political structures and issues within their historical contexts. You will learn how politics has changed over time and how political ideas, institutions and processes interrelate. You will examine the influences and interests which have an impact on decisions in government and learn more about how different electoral systems work and what factors influence these.

### **Aims**

This course enables you to:

- develop knowledge and an informed understanding of contemporary political structures and issues in their historical context, both within the United Kingdom (UK) and globally;
- develop a critical awareness of the changing nature of politics and the relationships between political ideas, institutions and processes;
- develop knowledge and an informed understanding of the influences and interests which have an impact on decisions in government and politics;
- develop knowledge and an informed understanding of the rights and responsibilities of individuals and groups;
- develop the ability to critically analyse, interpret and evaluate political information to form arguments and make judgements;
- develop an interest in, and engagement with, contemporary politics.

### **How will I be assessed?**

#### **AS Level / A Level**

<p><b>Component 1: UK Politics</b>  Written paper - 2 hours  84 marks  50% of stand-alone AS qualification  33% of full A Level qualification  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Political participation</li> <li>• Core political ideas</li> </ul> <p><b>Assessment overview:</b>  <i>Section A:</i> Two 30-mark questions on theme of political participation  <i>Section B:</i> One 24-mark question on theme of political ideas (conservatism, liberalism, socialism)</p>	<p><b>Component 2: UK Government</b>  Written paper: 2 hours  84 marks  50% of stand-alone AS qualification  33% of full A Level qualification  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• UK government</li> <li>• Non-core political ideas</li> </ul> <p><b>Assessment overview:</b>  <i>Section A:</i> Two 30-mark questions on theme of UK government  <i>Section B:</i> One 24-mark question on theme of non-core political ideas (anarchism, ecologism, feminism, multiculturalism, nationalism)</p>
<p><b>Component 3: Comparative Politics - Global</b>  Written paper - 2 hours  84 marks - 33% of A Level qualification  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Sovereignty and globalisation</li> <li>• Global governance: political and economic</li> <li>• Global governance: human rights and environmental</li> <li>• Power and developments</li> <li>• Regionalism and the European Union</li> <li>• Comparative theories</li> </ul> <p><b>Assessment overview:</b>  <i>Section A:</i> One 12-mark question from a choice of two.</p>	



*Section B:* One 12-mark question on comparative theories  
*Section C:* Two 30-mark questions from a choice of three

**Students opting for the full A Level qualification must take Component 1, 2 and 3 in one exam series.**

***How will this course help me?***

Studying A Level Politics will allow you to develop your analytical, interpretive and evaluative skills and teach you to develop and support independent arguments in your essays. It complements A Levels in history, economics, English literature, psychology, sociology, philosophy and Classical studies, providing an important foundation for any degree or career involving communication, research and analytical skills.

***What will I need to start the course?***

No prior knowledge of politics is required to enrol on the AS or A Level course. However, due to the demands of the essay-writing component of this subject, a minimum of Grade B / 6 in either English Language, English Literature or History is required before enrollment.

***Who do I contact for further information?***

[admissions@tpis.ac.th](mailto:admissions@tpis.ac.th)

For a detailed syllabus of the course see:

<https://qualifications.pearson.com/content/dam/pdf/A%20Level/Politics/2017/Specification%20and%20sample%20assessments/A-level-Politics-Specification.pdf>

For samples of course material please see:

<https://wolseyhalloxford.instructure.com/courses/2068278/modules>

**Psychology**  
**Cambridge International AS and A Level (9990)**  
**Blended Learning Programme**

### **Course Overview**

Through undertaking this course, students develop their appreciation of the subject by exploring the ways in which psychology is conducted. As part of their studies, learners also review important research; this provides an insight into the ways in which psychology has been applied, thereby leading to a better understanding of key approaches, research methods and issues and debates.

The syllabus reflects four core areas of psychology: biological, cognitive, learning and social. It also relates psychology to abnormality, consumer behaviour, health and organisations.

### **Aims**

This course aims to:

- Provide an introduction to psychological concepts, theories and research findings;
- Create an understanding of the range and limitations of psychological theory and practice;
- Encourage students to explore and understand the relationship between psychological findings and everyday life;
- Develop skills of analysis, interpretation, application and evaluation;
- Develop an understanding of ethical issues in psychology, including the moral and ethical implications of psychological research;
- Promote an appreciation and understanding of individual, social and cultural diversity;
- Study psychological approaches, issues and debates and research methods;
- Improve communication skills.

**AS Level:** The issues and debates considered at AS Level are:

<ul style="list-style-type: none"><li>• <i>The application of psychology to everyday life</i></li><li>• <i>Individual and situational explanations</i></li><li>• <i>Nature versus nurture</i></li></ul>	<ul style="list-style-type: none"><li>• <i>The use of children in psychological research</i></li><li>• <i>The use of animals in psychological research</i></li></ul>
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**A Level:** The issues and debates considered at A Level are:

The specialist options build on AS level content 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: Clinical psychology, Consumer psychology, Health psychology, and Organisational psychology..

The issues and debates considered at A Level are:

<ul style="list-style-type: none"><li>• <i>The application of psychology to everyday life</i></li><li>• <i>Individual and situational explanations</i></li><li>• <i>Nature versus nurture</i></li><li>• <i>The use of children in psychological research</i></li><li>• <i>The use of animals in psychological research</i></li></ul>	<ul style="list-style-type: none"><li>• <i>Cultural bias</i></li><li>• <i>Reductionism (versus holism)</i></li><li>• <i>Psychometrics</i></li><li>• <i>Determinism (versus free-will)</i></li><li>• <i>Longitudinal research</i></li></ul>
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### **How will I be assessed?**

<b>Paper 1 - Approaches, issues &amp; debates</b> Written exam: 1 hour 30 minutes - 60 marks 50% of the AS level 25% of the A level	<b>Paper 2 - Research methods</b> Written exam: 1 hour 30 minutes - 60 marks 50% of the AS level 25% of the A level
<b>Paper 3 - Specialist options: Approaches, issues &amp; debates</b> Written exam - 1 hour 30 minutes - 60 marks 25% of the A Level	<b>Paper 4 - Specialist options: application &amp; research methods</b> Written exam - 1 hour 30 minutes - 60 marks 25% of the A level

### ***Is this a suitable option for me?***

This course is suitable for anyone with an enquiring mind, who is interested in exploring issues dealing with how and why people behave in the way that they do. Students should enjoy thinking critically about information they are presented with and be willing to discuss their ideas.

### ***How will the course help me?***

Psychology is a good subject to study as it combines Science with more 'arts' components such as essay writing, discussion and critical thinking. Taking Psychology A-Level means that you are well-equipped to study psychology or other related degrees at university. You may choose to follow a degree course in psychology, which can lead on to a variety of specialist areas such as Educational Psychology, Sports Psychology, Clinical Psychology, or Occupational Psychology. It is also a useful subject for a variety of careers including medicine, teaching and business. The investigative and critical thinking skills gained on the A-Level course are immensely valuable during any university degree.

### ***What will I need to start the course?***

You do not need to have previously studied psychology, although an interest in understanding human behaviour would be an advantage. You need to be highly organised, motivated, have a good level of English proficiency and a willingness to participate in lessons.

During the course you will need to communicate effectively in both written and oral English. You should also be able to research information from a variety of sources, and have a basic understanding of how to extract relevant information.

### ***Career pathways***

Students can use A Level Psychology to progress into higher education and careers in the field of psychology, such as Clinical Psychology, Educational Psychology and Forensic Psychology. In addition, A Level Psychology can lead to careers such as nursing, occupational therapy, social work and teaching.

### ***Who do I contact for further information?***

Mr Antonio Lembo [alembo@tpis.ac.th](mailto:alembo@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/502977-2021-2023-syllabus.pdf>

For example of course materials please see:

<https://wolseyhalloxford.instructure.com/courses/1788935/modules>



## Cambridge International AS and A Level (9699) Blended Learning Programme

Sociology is the study of human society and culture. The A Level Sociology course spans a wide range of topics and allows you to examine social and cultural habits, behaviours and attitudes, gaining insight into the key elements that underpin human existence. These include identity, culture, gender, ethnicity, social class, childhood and the role of the family.

Topics covered often relate closely to current affairs and will stimulate your awareness and understanding of contemporary social, cultural and political issues.

A Level Sociology provides a good grounding for a career in social work, politics, the police force, nursing, teaching, the media, law, research, medicine, marketing, advertising or PR.

### **Aims**

This course aims to enable students to develop:

- knowledge and understanding of sociological terms, theories, methods and research findings;
- an awareness of the range and limitations of sociological theory and the ability to compare and contrast different theoretical perspectives;
- appreciation and understanding of individual, social and cultural diversity, and of continuity and change in social life;
- an understanding of sociological research methods, including issues concerned with the planning, implementation and evaluation of research enquiry and the collection, analysis and interpretation of data;
- improved skills of communication, interpretation, analysis and evaluation;
- skills for further study.

Socialisation, identity 1 hour 30 minutes and methods of research 60 marks Candidates answer four questions. Section A: three compulsory questions Section B: one essay (26 marks) from a choice of two Externally assessed 50% of the AS Lev

### **How will I be assessed?**

<p><b>IAS - Year 12</b>  <b>Paper 1 - Socialisation, Identity, Research Methods</b>  Written exam: 1 hour 30 minutes - 60 marks  50% of the AS level  25% of the A level  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Socialisation and the creation of identity</li> <li>• Methods of research</li> </ul> <p><b>Assessment overview:</b>  Section A: Three compulsory questions  Section B: One essay (26 marks)</p>	<p><b>IAS - Year 12</b>  <b>Paper 2 - The Family</b>  Written exam: 1 hour 30 minutes - 60 marks  50% of the AS level  25% of the A level  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Theories of the family &amp; social change</li> <li>• Family roles &amp; changing relationships</li> </ul> <p><b>Assessment overview:</b>  Section A: Three compulsory question  Section B: One essay (26 marks)</p>
<p><b>IAL - Year 13</b>  <b>Paper 3 - Education</b>  Written exam - 1 hour 15 minutes - 50 marks  20% of the A Level  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Education and society</li> <li>• Education and inequality</li> </ul>	<p><b>IAL - Year 13</b>  <b>Paper 4 - Globalisation, Media &amp; Religion</b>  Written exam - 1 hour 45 minutes - 70 marks  30% of the A level  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Globalisation: Key debates concepts &amp; perspectives</li> <li>• Globalisation: Contemporary issues</li> <li>• Media: Ownership and control</li> </ul>

	<ul style="list-style-type: none"> <li>• Media representation &amp; effects</li> <li>• Religion &amp; social order</li> <li>• The influence of religion</li> </ul> <p><b>Assessment overview:</b>  Each section has a choice of two essay questions (35 marks each). Students choose one question from two sections:  <i>Section A:</i> Globalisation  <i>Section B:</i> Media  <i>Section C:</i> Religion</p>
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### ***How will the course help me?***

An International A Level sociology course is a good option for you if you're curious about topics like social change, social movements and social justice, criminal justice, family dynamics, social class issues, and the consequences of human and social behaviour. As a field of science, sociology helps us to understand ourselves and each other, as courses in this discipline examine how the social world influences the way we think, feel and act. Sociologists are important in helping with decision-making, since they can gather systematic information about an important social inequality issue like homelessness, for example. They can provide insights into what is going on and present alternatives for social policies and social services.

### ***What will I need to start the course?***

There are no prior knowledge requirements to enrol on this course. However, you must have already gained a Grade C / 4 in both English Language and mathematics.

### ***Who do I contact for further information?***

[admissions@tpis.ac.th](mailto:admissions@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/502972-2021-2023-syllabus.pdf>

For example of course materials please see:

<https://wolseyhalloxford.instructure.com/courses/2068608/modules>

## Thinking Skills

### Cambridge International AS Level only (9694)

### Blended Learning Programme

An International AS Level Thinking Skills (also known as 'Critical Thinking') course allows students to demonstrate more sophisticated, complex and mature ways of thinking. You will learn how to approach information and problems, how to break them down, understand, analyse and ultimately resolve them. You will be encouraged to express and debate your ideas, think critically and investigatively, and to apply informed and disciplined reasoning to your arguments.

The problem-solving component of this qualification assesses your ability to analyse numerical and graphical information, based on real-life situations. You will develop your ability to analyse arguments; judge the relevance and significance of information; evaluate claims, inferences, arguments and explanations; construct clear and coherent arguments and form well-reasoned judgements and decisions. There are transferable skills which complement other A Levels, university courses and a wide range of careers, including accounting, business, engineering, law, philosophy, and social sciences.

#### **Aims**

This course aims to enable students to develop:

- a facility for independent thinking in the real world;
- the ability to organise and evaluate different types of information;
- the ability to create strategies for solving unfamiliar problems;
- the ability to present logical, ordered and coherent arguments;
- a facility for making well-reasoned judgements and decisions;
- a transferable set of critical thinking, reasoning and problem-solving skills which are essential for success in higher education and employment.

#### **How will I be assessed?**

<p><b>IAS - Year 12</b>  <b>Paper 1 - Problem-solving</b>  Written exam: 1 hour 30 minutes - 50 marks  50% of the AS level  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Organise information</li> <li>• Process information</li> <li>• Analyse data</li> <li>• Consider wider problems</li> </ul> <p><b>Assessment overview:</b>  Compulsory questions based on a variety of scenarios.</p>	<p><b>IAS - Year 12</b>  <b>Paper 2 - Critical thinking</b>  Written exam: 1 hour 30 minutes - 50 marks  50% of the AS level  <b>Content overview:</b></p> <ul style="list-style-type: none"> <li>• Evaluate and use evidence</li> <li>• Analyse reasoning</li> <li>• Evaluate reasoning</li> <li>• Construct reasoning</li> </ul> <p><b>Assessment overview:</b>  Five compulsory questions based on multiple sources of evidence</p>
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#### **How will the course help me?**

This course develops a set of transferable skills, including critical thinking, reasoning and problem solving, that you can apply across a wide range of subjects and complex real world issues. The course will enable you to develop your ability to analyse unfamiliar world issues and develop your ability to analyse unfamiliar problems, devise problem-solving strategies, and evaluate the diverse ways a problem may be solved. In a Thinking Skills course, you will learn to put your personal views aside in favour of examining and evaluating evidence. You will learn how to make informed and reasoned decisions and construct evidence-based arguments.

#### **What will I need to start the course?**

There are no prior knowledge requirements to enrol on this course. However, you must have already gained a Grade C / 4 in both English Language and mathematics.



***Who do I contact for further information?***

[admissions@tpis.ac.th](mailto:admissions@tpis.ac.th)

For a detailed syllabus of the course see:

<https://www.cambridgeinternational.org/Images/597412-2023-2025-syllabus.pdf>

For example of course materials please see:

<https://wolseyhalloxford.instructure.com/courses/2068506/modules>



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