

St Peter's College

Year 13 – Cambridge A Level Subject Guide



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CAMBRIDGE A LEVEL COMPULSORY SUBJECT OUTLINE

END OF COMPULSORY SUBJECT OUTLINE

THEOLOGY & PHILOSOPHY FACULTY

Head of Faculty: Dr Daniel Stollenwerk, dstollenwerk@st-peters.school.nz

Year 13 Waikato / 13 Auckland / RS Scholarship

ENTRY REQUIREMENTS	QUALIFICATION	COURSE COSTS
Students must apply to and be accepted by the University of Waikato or the University of Auckland. Minimum requirements to apply: CAMBRIDGE: 170 points. NCEA: Level 2 Merit Endorsement (50 credits at Merit or above).	University of Waikato paper in Ethics; University of Auckland paper in Critical Thinking	\$16

COURSE DESCRIPTION

St Peter's College has teamed up with the University of Waikato to offer students a first-year university correspondence paper in Moral Philosophy and the University of Auckland to offer students a paper in Critical Thinking.

Waikato: Coordinated and led by a teacher from St Peter's College, students begin the two-term course by studying contemporary ethical theories: Utilitarianism, Deontology/Kantian Ethics and Virtue Ethics. They then progress to debates in applied ethics including euthanasia, abortion, animal rights, privacy, the justification of criminal punishment, genetic enhancement, pornography and freedom of expression.

Students submit three research essays online, demonstrating both understanding and critical philosophical engagement with one moral theory and two issues in applied ethics. They are also assessed once a week for their willingness and ability to discuss and debate these topics rationally in class.

When the University of Waikato course finishes near the end of Term 2, students immediately begin preparation for the Religious Studies Scholarship exam to be taken at the end of the year.

Auckland: This course is a general education paper, which means it will count towards a degree at Auckland and other New Zealand universities. It is offered via Auckland University's Young Scholars Programme.

This course teaches students how to tell a good idea from a bad one and gives them the ability to objectively analyse and evaluate arguments and ideas based on logic and evidence. It hones students' skills in the analytical, reflective thinking required for effective problem-solving in the workplace and beyond. In addition to logic, it covers areas of psychology and ethics related to a wide range of subjects which benefit from sound critical thinking skills.

Students are assessed throughout the university semester by means of regular online discussions, tests and assignments.

Once the course is complete, students will focus on Religious Studies Scholarship.

Year 13 Theology and Philosophy / RS Scholarship

ENTRY REQUIREMENTS	CREDITS	COURSE COSTS
12 credits from Year 12 SPC or permission from the Head of Faculty or the Deputy Headmaster Curriculum	24	\$16
COURSE DESCRIPTION		
<p>Year 13 SPC offers 4 achievement standards, each worth 6 credits, each assessed internally.</p> <p>The first standard compares and contrasts Christian and secular worldviews. Either the book of Genesis or the Book of Revelation takes centre stage in the second standard comparing the literalist and historical-critical interpretations of such famous stories as creation, the fall and the flood or such symbols as the beast, 666 and the seventh seal. In the third standard students explore the founding of the Catholic Church in Aotearoa New Zealand and the effect it has had on society today; while in the last they look at the Catholic Church's understanding of the ethics of Abortion.</p> <p>There may be changes to the standards depending on the needs of the students. Some students may be selected to prepare for Religious Studies Scholarship.</p>		

CAMBRIDGE A LEVEL OPTIONAL SUBJECT OUTLINES: STUDENTS MUST CHOOSE FOUR

ART FACULTY

Head of Faculty: Ms Nichola Barnden, nbarnden@st-peters.school.nz

A Level – Digital Media & Design: Graphic Design

ENTRY REQUIREMENTS	COURSE COSTS
C grade in AS Digital Media & Design	\$20 materials
COURSE DESCRIPTION	
<p>A Level Digital Media and Design is part of a two year course. It is compulsory to have completed AS Digital Media and Design to continue on to this level. Students are required to complete a Personal Investigation which is made up of two parts, one practical and one written. Students select one of the given themes for the year and produce work based on a brief. This will include research of the topic including traditional and contemporary artists. Drawing will be used to gather information and this is used to inform, develop and extend ideas in the creation of new work. The emphasis for this year is to fully resolve ideas in the final work. Along side the coursework students need to analyse the work of others.</p> <p>A Level Digital Media and Design can be studied in Graphic Design.</p>	
A Level – Art & Design: Painting	
ENTRY REQUIREMENTS	COURSE COSTS
C grade in AS Art and Design	\$90 materials and printing fee
COURSE DESCRIPTION	

A Level Art and Design is part of a two year course. It is compulsory to have completed AS Art and Design to continue on to this level. Students are required to complete a Personal Investigation which is made up of two parts, one practical and one written. Students choose a theme for the year and produce work based on this. This will include research of the topic including traditional and contemporary artists. Drawing will be used to gather information and this is used to inform, develop and extend ideas in the creation of new work. The emphasis for this year is to fully resolve ideas in the final work. Along side the coursework students need to analyse the work of others.

A Level Art & Design can be studied in Painting or Photography.

A Level – Art & Design: Photography

ENTRY REQUIREMENTS

C grade in AS Art and Design

COURSE COSTS

\$130 materials and printing fee

COURSE DESCRIPTION

A Level Art and Design is part of a two year course. It is compulsory to have completed AS Art and Design to continue on to this level. Students are required to complete a Personal Investigation which is made up of two parts, one practical and one written. Students choose a theme for the year and produce work based on this. This will include research of the topic including traditional and contemporary artists. Drawing will be used to gather information and this is used to inform, develop and extend ideas in the creation of new work. The emphasis for this year is to fully resolve ideas in the final work. Along side the coursework students need to analyse the work of others.

A Level Art & Design can be studied in Painting or Photography.

COMMERCE FACULTY

Head of Faculty: Mr Stephen Rewcastle, srewcastle@st-peters.school.nz

A Level Economics

ENTRY REQUIREMENTS	LEADS INTO	COURSE COSTS
at least C in AS Economics	Tertiary education as this is a university approved subject	NIL

COURSE DESCRIPTION

This course follows on directly from the AS Economics option and therefore boys must complete the AS course in order to progress to A Level. The syllabus challenges boys to develop their thinking skills in considering the Economic, social and political impact of current events to economic theory that has been learned across the AS and A Level Economic course. The course covers the major areas of Microeconomics, Market Failure, Government Intervention and Macroeconomics. A Level is a natural progression from AS with a development of skills that integrate directly with Level 1 Commerce University courses.

A Level Accounting

ENTRY REQUIREMENTS	LEADS INTO	COURSE COSTS
at least C in AS Accounting	Tertiary education as this is a university approved subject	NIL

COURSE DESCRIPTION

This course follows on directly from the AS Accounting option and therefore boys must complete the AS course in order to progress to A Level. This syllabus challenges boys to develop their financial and managerial skills to a higher degree than that has been learned across the AS Accounting course in a variety of modern economic and business contexts. A Level is a natural progression from AS with a development of skills that integrate directly with level one Commerce University courses.

Students will study the following topics:

Financial Accounting

- 1) Preparation of financial statements
 - a) Manufacturing businesses
 - b) Not for profit organisations
 - c) Limited companies
 - d) International Accounting Standards
 - e) Auditing and stewardship of limited companies
- 2) Business purchase and merger
- 3) Consignment and Joint venture accounts
- 4) Computerised accounting systems
- 5) Analysis and communication of accounting information

Cost and Management Accounting

- 1) Activity based costing (ABC)
- 2) Budgetary and budgetary control
- 3) Standard Costing
- 4) Investment appraisal

ENGLISH FACULTY

Head of Faculty: Mr Stacy Humpage, shumpage@st-peters.school.nz

A level English

ENTRY REQUIREMENTS

at least a C in AS English

COURSE COSTS

\$15

COURSE DESCRIPTION

This course consists of two papers; Shakespearean and Other Pre-Twentieth Century Literature (Paper 5), and Twentieth Century Literature (Paper 6). Students will be expected to adopt an academic approach to prescribed texts, developing an in-depth and nuanced understanding of a text's central concerns, a sensitivity to how language creates meaning, and a thorough knowledge of relevant contextual details. In addition to this, students will be introduced to critical perspectives on texts and learn how to engage with the critical discourse that has developed in response to texts and authors. This is a demanding, but also very enriching, course. Students will have the opportunity to encounter a wide range of Literature, from William Shakespeare's canonical plays, to more contemporary works that make bold departures from tradition. This course prepares students for further study in a range of disciplines at tertiary level due to the high levels of analysis, critical thinking, intertextuality and argumentation.

HUMANITIES FACULTY

Head of Faculty Mr Jakub Kalinowski, jkalinowski@st-peters.school.nz

A Level Classical Studies

ENTRY REQUIREMENTS

C grade in AS Classical Studies

COURSE COSTS

Topic Booklets, \$45

COURSE DESCRIPTION

The course is a direct follow on from AS Classical Studies. While containing topics that are broader and cover a more comprehensive and in-depth range of themes and ideologies, the assessment format and essay structure remain largely the same. Thus, the students will find themselves refining their essay technique to a very sophisticated standard.

It is encouraged that those who take A-level Classics also take the Scholarship Classics timetabled class due to the direct overlap of both content and essay technique.

Cambridge A Level Classical Studies is made up of two topics: history and literature.

- The history topic analyses the Persian and Peloponnesian Wars and the relationships between Athens and her neighbours including Sparta. Athens and Sparta had different approaches to government and battle strategy and both aspects are analysed in depth. The thematic undertone throughout the topic is the influence of democracy on the growth of the Athenian Empire.
- The literature topic, analysing Homer's Iliad and Odyssey allows students to consider the actions of Homeric heroes and their interactions with the gods. The thematic undertone is the motivation of Homer as a poet and how his works are reflective of core socio-cultural ideologies in Ancient Greece

A Level Geography

ENTRY REQUIREMENTS

C Grade in AS Geography, a B grade in AS Geography is recommended for success in A Level geography

COURSE COSTS

Students are encouraged to purchase the course Study Guide, which covers both the AS and A Level Geography syllabus. The book can be ordered online from Book Depository and costs approximately NZ\$30 including shipping.
Cambridge International AS and A Level Geography Revision Guide.
ISBN: 978 144441 81487

COURSE DESCRIPTION

The A2 Geography course is a continuation of the AS Geography course. This course aims to develop candidates' awareness of the relevance of geographical analysis to understanding and solving contemporary human and environmental problems. The course introduces candidates to the main elements of Physical and Human Geography and the inter-relationships between these components. It encourages an understanding of the principal processes operating at different scales within Physical and Human Geography; develops candidates' sense of relative location, including an appreciation of the complexity and variety of natural and human environments; and explains the causes and effects of change over space and time on the natural and human environments. The course aims to develop candidates' ability to handle and evaluate different types and sources of information; develop candidates' ability to think logically, and to present an ordered and coherent argument in a variety of ways; and to promote candidates' awareness of the need for understanding, respect and co-operation in conserving the environment and improving the quality of life both at a global scale and within the context of different cultural settings.

Topic areas: Advanced Physical Geography: Two of the following themes will be studied: Tropical environments; Coastal environments; Hazardous environments; Arid and semi-arid environments. Advanced Human geography: two of the following themes will be studied – Production, location and change; Environmental management; Global interdependence; Economic transition.

Assessment: TWO one-and-a-half-hour exam papers are written at the end of the year, which covers all aspects of the syllabus – but does offer some choice of questions. These examinations will be timetabled for the same date and session, with a short break between papers.

HUMANITIES FACULTY continued

Head of Faculty Mr Jakub Kalinowski, jkalinowski@st-peters.school.nz

A Level History

ENTRY REQUIREMENTS

C Grade in AS History

COURSE COSTS

\$10

COURSE DESCRIPTION

This course builds upon the skills and knowledge attained in the A.S. History programme. This course is only open to Year 13 students who have successfully completed the A.S. History component the year before.

The revised syllabus being introduced in 2022 retains the majority of the content of the old programme – The Cold War. Students who are interested in the world around them today will enjoy learning about the challenges, conflicts and controversies of the Cold War period, which have helped to shape our contemporary world as we know it. There is an interpretations/source-based component, which focuses on the writing of history (historiography). Additionally, there is a content-based component, which examines students' writing, analysis and argument skills.

The syllabus aims to develop:

- A greater knowledge and understanding of historical periods or themes
- A greater awareness of historical concepts such as cause and effect, similarity and difference, and change and continuity
- 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 at tertiary level

The main topics taught are:

- The Origins of the Cold War (historical interpretations focus only)
- How did US–Soviet relations develop between 1950 and 1980?
- Why was there a crisis over Cuba in the 1960s and how did it affect the US–Soviet relations?
- How did the arms race affect US–Soviet relations?
- Why did the Cold War come to an end in 1989?

LANGUAGES FACULTY

Head of Faculty: Ms Bingmei Zhang, bzhang@st-peters.school.nz

Year 13 Chinese for CIE students – AS and/or HSK

ENTRY REQUIREMENTS

At Least C in IGCSE Chinese

COURSE COSTS

\$23 (+GSDT) Education Perfect Subscription.
HSK (optional)

COURSE DESCRIPTION

This is an 18-month course beginning in the middle of Year 12. Candidates sit the exam at the end of Year 13. Successful students in AS Chinese are able to understand complex and sophisticated texts about a wide variety of world issues. They are able to discuss these at length orally and in writing, expressing ideas and justifying their points of view. They are able to write extended essays defending a point of view.

There are 2 exams: Essay (30%,) Reading and Guided writing (70%).

Students also have the opportunity to sit the international HSK exam Level 3 or 4, and the VUW online course (1st semester Star program) which is worth 20 university credits for a bachelor's degree.

A Level Spanish

ENTRY REQUIREMENTS

At least E grade in AS Spanish

COURSE COSTS

\$23 (+GST) Language Perfect Subscription

COURSE DESCRIPTION

This course follows the same content as AS Spanish with an additional literature exam. Students at this level are able to communicate confidently and are able to read a wide range of genuine texts. The literature component consists of 3 novels or plays which change each year.

There are 4 exams: Reading and Guided writing (35%), Speaking (20%), Essay (15%) and Literature (30%).

MATHEMATICS FACULTY

Head of Faculty: Mr Matt Bindon, mbindon@st-peters.school.nz

A Level Mathematics

ENTRY REQUIREMENTS

Must have 60% or higher in AS Mathematics

COURSE COSTS

NIL

COURSE DESCRIPTION

This course is made up of 2 Papers: Pure Mathematics 3 (Paper 3) and Mechanics (Paper 4). Pure Mathematics 3 has the following topics: trigonometry, differentiation, integration, iteration, vectors, the binomial expansion, complex numbers and differential equations. Mechanics has the following topics: Kinematics, forces, connected particles, momentum and work energy and power. Paper 3 is worth 75 marks and has an exam length of 1 hour and 50 minutes. Paper 4 is worth 50 marks and has an exam length of 1 hour and 15 minutes.

PHYSICAL EDUCATION FACULTY

Head of Faculty: Mr James McLauchlan, jmclauchlan@st-peters.school.nz

A Level Academic Physical Education

COURSE COSTS

\$50

COURSE DESCRIPTION

A-Level Physical Education consists of two components:

ONE (70%):

This is a written paper to be assessed externally in a 2.5 hr examination. It will consist of 3 sections:

- 1) Exercise and Sport Physiology
- 2) Psychology of Sport Performance
- 3) Olympic Games: A global perspective

TWO (30%):

This is Coursework in which candidates will follow a minimum of two activities offered. Assessments will take place in conditioned competitive situations.

In addition, candidates will be assessed on their verbal ability to evaluate and appreciate performance through observation and synopsis of knowledge on one of their chosen activities. This will be internally assessed and externally moderated by Cambridge.

Please note: Cambridge International are withdrawing AS & A level Physical Education. The final examination for both AS & A level will be November 2023.

NEW – Cambridge International AS Level syllabus in Sport & Physical Education. This is a new AS only syllabus for first examination in June 2024. This syllabus will be available in the June & November exam series.

SCIENCE FACULTY

Head of Faculty: Mr Kevin Barker, kbarker@st-peters.school.nz

A Level Biology

ENTRY REQUIREMENTS

A, B or C in AS Biology

COURSE COSTS

Course Manual \$40

COURSE DESCRIPTION

A Level Biology is a course which completes the full double award A Level in Biology. A Level Biology is the second half of the Cambridge A Level syllabus. The course expands on skills and attitudes developed in AS Biology. A Level Biology is assessed by a structured question paper and a planning, analysis and evaluation paper based on practical skills. A Level examinations are held in October/November. The final A Level grade is based on an average of AS and A Level grades.

A Level Chemistry

ENTRY REQUIREMENTS

A,B or C in AS Chemistry

COURSE COSTS

Workbook, \$30

COURSE DESCRIPTION

A Level Chemistry is a course which completes the full double award A Level in Chemistry. A Level Chemistry is the second half of the CAMBRIDGE A Level syllabus. The course expands on skills and attitudes developed in AS Chemistry. A Level Chemistry is assessed by a structured question paper and a planning, analysis and evaluation paper based on practical skills. A Level examinations are held in October/November. The final A Level grade is based on an average of AS and A Level grades.

A Level Physics

ENTRY REQUIREMENTS

A, B or C in AS Physics

COURSE COSTS

Workbook, \$30

COURSE DESCRIPTION

A Level Physics is a course which completes the full double award A Level in Physics. A Level Physics is the second half of the CAMBRIDGE A Level syllabus. The course expands on skills and attitudes developed in AS Physics. A Level Physics is assessed by a structured question paper and a planning, analysis and evaluation paper based on practical skills. A Level examinations are held in October/November. The final A Level grade is based on an average of AS and A Level grades.

TECHNOLOGY FACULTY

Head of Faculty: Mr Jono Bay jbay@st-peters.school.nz

A Level Design & Technology (Product Design)

COURSE COSTS

\$140 (this includes laser cutting charges for model-making)

COURSE DESCRIPTION

Entry Requirement: you must be a year 13 student with prior knowledge gained in Design Technology with at least a "C" pass during AS Level

This course is a continuation of AS Design and Technology. Candidates grades from AS and A Level are combined to form the overall grade for the subject.

A Level Design and Technology consists of two components:

- 1) **Component 04:** This is a portfolio for a spatial design completed in class. This is weighted at 40% of the overall grade. Candidates are expected to develop their AS Level project further, going more depth to resolve the design to an appropriate standard. Candidates use their outcome from AS to develop, plan for production, make a prototype, and exhibit this outcome to an audience.

Please note that candidates can start a new project in A Level but must complete the criteria from AS level AND A Level in their design portfolio.

- 2) **Component 33:** This is a written paper weighted at 60% of the overall grade completed during end of the year examinations. The paper is completed in 3 hours and split into 2 sections. Section A tests candidates material and manufacturing knowledge in the form of short written answers, long answers, and quick sketching. Section B requires candidates to design an original outcome to a given problem using a variety of drawing techniques combined with annotation and analysis.

A LEVEL COURSE PLANNER FOR:

Name: _____

A LEVEL COMPULSORY SUBJECT

Subject 1

Theology & Philosophy

A LEVEL FOUR OPTIONAL SUBJECTS

Subject 1

Subject 2

Subject 3

Subject 4