

St Peter's College

Year 12 – Cambridge AS Level Subject Guide



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CAMBRIDGE AS LEVEL COMPULSORY SUBJECT OUTLINE

THEOLOGY & PHILOSOPHY FACULTY

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

Year 12 Theology & Philosophy University Prep/Scholarship

ENTRY REQUIREMENTS	Leads to	COURSE COSTS
Invitation from the Theology and Philosophy Department	13 University of Waikato Ethics Paper; RS Scholarship Exam	\$16
COURSE DESCRIPTION		
<p>For those students who do well in 11 IG World Religions, the Faculty of Theology and Philosophy offers a fairly high-level introduction to the protagonists, foundations and principle themes of Philosophy and Theology including Plato, Aristotle, rationalism, empiricism, ethics, belief, conscience, free will and determinism. They further consider the Philosophy of Religion, reflecting on the arguments for the existence of God, religious experience, the religion/science debate, the problem of evil, and life after death. Special attention is paid to essay writing as students prepare to take the RS Scholarship exam at the end of the year.</p>		

Year 12 Theology and Philosophy

ENTRY REQUIREMENTS	Credits	COURSE COSTS
Successful completion of Level 1Ncea or 11IGCSE World Religions	24	\$16
COURSE DESCRIPTION		
<p>As an alternative to the University Prep/Scholarship course year 12 students may follow a course in four NCEA Achievement Standards each worth 6 credits, each assessed internally.</p> <p>The first Year 12 NCEA standard analyzes the Biblical theme of call and its influence on such contemporary figures as Mother Teresa and Dr Martin Luther King. Students subsequently focus on the changes in the Roman Catholic Eucharistic tradition from its roots in the Passover and inception at the Last Supper to how it is celebrated today in St. Peter's College beautiful chapel.</p> <p>As a powerful way of studying World Religions, Level 2 students then consider suffering in Judaism, Christianity and Buddhism. The final standard analyzes the St. Peter's College service programme in light of the social doctrine of the Church.</p>		

ENGLISH FACULTYHead of Faculty: Mr Stacy Humpage, shumpage@st-peters.school.nz**AS English****ENTRY REQUIREMENTS**

at least a C in IGCSE English

COURSE COSTS

\$15

COURSE DESCRIPTION

This is an important one year 'pre-university' course in which students continue to develop subtler awareness of classic Literature from different time periods in Literary History. This course provides students with their University Entrance Literacy and so forms a crucial part of their Year 12 studies. Similar to Year 11, students will write four essays in total covering Shakespeare, poetry, short-stories and unseen texts. Not only do students extend their writing skills, but also their critical thinking and analytical abilities. The Literature texts are all of international critical acclaim and especially rich thematically, allowing students to connect them to both their original contexts and the modern day.

END OF COMPULSORY SUBJECT OUTLINE

CAIE AS LEVEL OPTIONAL SUBJECT OUTLINES:

STUDENTS MUST CHOOSE FOUR

ACCOUNTING FACULTY

Head of Faculty: Mrs Denise Trent, dtrent@st-peters.school.nz

AS Level Accounting

ENTRY REQUIREMENTS	LEADS INTO	COURSE COSTS
at least C in IGCSE Accounting	A Level Accounting	NIL

COURSE DESCRIPTION

The AS Level Accounting syllabus builds on the IGCSE course; but it also includes Management Accounting and more problem-solving questions. The AS syllabus enables students to apply their Accounting knowledge and understanding in order to analyse and present information, give reasoned explanations, and make judgements and recommendations in a variety of modern economic and business contexts. There is a requirement for students to have completed IGCSE Accounting to a satisfactory degree to undertake AS Accounting. The AS syllabus covers the following topics:

Financial Accounting

The accounting cycle
 Accounting for non-current assets
 Reconciliation and verification
 Preparation of financial statements

- Adjustments
- Sole traders
- Partnerships
- Limited companies

Analysis and communication of accounting information to stakeholders

Cost and Management Accounting

Costing for materials and labour
 Traditional costing methods

- Absorption costing
- Marginal costing
- Cost-volume-profit analysis

The application of accounting to business planning

ART FACULTY

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

CAIE AS Level – Digital Media and Graphic Design

ENTRY REQUIREMENTS

at least C in IGCSE Art

COURSE COSTS

\$20 materials

COURSE DESCRIPTION

In AS Art and Design – Graphic Design students will complete two bodies of work: coursework and exam work (coursework makes up 50% of the final mark and exam work the remaining 50%). Each component takes a thematic approach and a range of drawing processes are used to record information. Students will develop an understanding of design elements and principles and gain Illustrator and Photoshop skills. Students are required to give an individual response to a theme and develop ideas and use a range of techniques from contemporary and traditional artists. The emphasis for this year is on experimentation and exploration. All work is submitted digitally. A final work is presented at the end of both bodies of work. The final piece for the exam will be completed in a 10 hour formal examination.

CAIE AS Level – Art & Design: Painting

ENTRY REQUIREMENTS

at least C in IGCSE Art

COURSE COSTS

\$90 materials and printing fee + Painting Art pack

COURSE DESCRIPTION

In AS Art and Design – Painting students will complete two bodies of work: coursework and exam work (coursework makes up 50% of the final mark and exam work the remaining 50%). Each component takes a thematic approach and a range of drawing processes are used to record information. Students are required to give an individual response to a theme and develop ideas and use a range of techniques from contemporary and traditional artists. The emphasis for this year is on experimentation and exploration. A final work is presented at the end of both bodies of work. The final piece for the exam will be completed in a 15 hour formal examination.

CAIE AS Level – Art & Design: Photography

ENTRY REQUIREMENTS

at least C in IGCSE Art

COURSE COSTS

\$130 materials and printing fee + Photography pack

COURSE DESCRIPTION

In AS Art and Design - Photography students complete two bodies of work: coursework and exam work (coursework makes up 50% of the final mark and exam work the remaining 50%). Each component takes a thematic approach and a range of drawing processes are used to record information. Students will learn how to use a DSLR camera and studio lighting as well as post-production editing. Students are required to give an individual response to a theme and develop ideas and use a range of techniques from contemporary and traditional artists. The emphasis for this year is on experimentation and exploration. A final work is presented at the end of both bodies of work. The final piece for the exam will be completed in a 15 hour formal examination.

COMMERCE FACULTY

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

AS Level Economics

ENTRY REQUIREMENTS

at least C in IGCSE Economics, Mathematics or English

LEADS INTO

A Level Economics

COURSE COSTS

NIL

COURSE DESCRIPTION

Through AS Level Economics syllabus, students learn how to explain and analyse economic issues and arguments, evaluate economic information, and organise, present and communicate ideas and judgments clearly. The syllabus covers a range of basic economic ideas, including an introduction to the price system and government intervention, international trade and exchange rates, the measurement of employment and inflation, and the causes and consequences of inflation. Students also study the price system, the theory of the firm, market failure, macroeconomic theory and policy, and economic growth and development. This is a self-contained course and requires no prior knowledge, although a background in IGCSE Economics is preferable. AS Economics is open to all year 12 and 13 students who have attained satisfactory grades in Economics, Mathematics and/or English.

HUMANITIES FACULTY

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

AS Level Classical Studies

ENTRY REQUIREMENTS

Year 11 Classics, or at least a 'C' grade in IGCSE History and/or English

COURSE COSTS

\$10

COURSE DESCRIPTION

2022 brings about the first syllabus update to AS Classics in a number of years. As opposed to learning four topics, students instead will have a more in-depth examination of two topics – one from the context of Ancient Greece, the other from Ancient Rome. This syllabus update is intended to better reflect the assessment style of the A-level course.

The nature of this course also builds upon the content and skills learned in Year 11 Classical Studies, although students who have not taking it are in no way disadvantaged. The content areas of our chosen topics will focus on history and literature – both which provide easy avenues for combining a rich and diverse database of evidence with significant socio-cultural analyses. The skills focus in AS Classics is heavy on the creation of fluid, precise and clear essays that are rich in evidence and critical analysis. Students will come out of the course being confident in their ability to write well, even if they begin the course with no skill in the area.

The topics taught are:

- Alexander the Great (Greek)
- Virgil's Aeneid (Roman)

HUMANITIES FACULTY continued

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

AS Level Geography

ENTRY REQUIREMENTS	COURSE COSTS
at least C in IGCSE Geography and/or English or HOF approval for students who have not taken IGCSE Geography	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. <i>Cambridge International AS and A Level Geography Revision Guide. ISBN: 978 144441 81487</i>
COURSE DESCRIPTION	
<p>The Geography course aims to develop students 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 Geography 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. Topics studied are:</p> <p><i>The Physical Environment:</i> Hydrology and fluvial geomorphology; Atmosphere and weather; Rocks and weathering.</p> <p><i>The Human Environment:</i> Population; Migration; Settlement dynamics.</p>	

AS Level History

ENTRY REQUIREMENTS	COURSE COSTS
at least C in IGCSE History and/or English	\$10
COURSE DESCRIPTION	
<p>This course builds upon the skills and knowledge attained in the IGCSE History programme. This course is only open to Year 12 and Year 13 students. The wide-ranging scope of themes and topics allows for greater coverage of events in modern world History. The skills focus shifts towards essay writing and a more comprehensive source-based question. A focus on 19th century European history – particularly themes relating to revolutions, nationalism and liberalism – underpin the A.S. History programme.</p> <p>The exams are separated into a separate source-based paper (Paper 1) and a theme-based (Paper 2) exam.</p> <p>Topics taught include:</p> <ul style="list-style-type: none"> • The Industrial Revolution in Britain, 1750–1850 • Liberalism and nationalism in Germany, 1815–71 • The Russian Revolution, 1894–1921 	

LANGUAGES FACULTY

Head of Faculty: Mrs Margaret Ubels-Rattray, mubels@st-peters.school.nz

AS Level French

ENTRY REQUIREMENTS

D in IGCSE French

COURSE COSTS

\$35 language Perfect Subscription,

COURSE DESCRIPTION

Successful students in AS French are able to understand complex and sophisticated texts about a wide variety world issues. They are able to discuss these at length, expressing ideas and justifying their points of view. They are able also to write extended essays defending a point of view. There are 3 exams: Speaking (29%) essay (21%,) Reading and Guided writing (50%). Students may also sit the international DELF exam (optional)

AS Chinese

ENTRY REQUIREMENTS

D in IGCSE Chinese or excellence endorsement in level 2

COURSE COSTS

\$35 Language Perfect Subscription
HSK and AUT on line course costs (optional.
Costs vary)

COURSE DESCRIPTION

This is an 18 month course beginning in the middle of year 12 and continuing into year 13. 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 are also given the opportunity to sit the international HSK exam and the AUT course (1st semester) which is worth 15 university credits

AS Level Spanish

ENTRY REQUIREMENTS

D in IGCSE Spanish

COURSE COSTS

\$35 language Perfect Subscription

Successful students in AS Spanish are able to understand complex and sophisticated texts about a wide variety world issues. They are able to discuss these at length, expressing ideas and justifying their points of view. They are able also to write extended essays defending a point of view. There are 3 exams: Speaking (29%) essay (21%,) Reading and Guided writing (50%).

MATHEMATICS FACULTY

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

AS Level Mathematics

ENTRY REQUIREMENTS

at least 65% in IGCSE Mathematics

COURSE COSTS

NIL

COURSE DESCRIPTION

This course is made up of two Papers: Pure Mathematics 1 and Statistics 1. Pure Mathematics 1 consists of the following topics: coordinate geometry, surds and indices, functions and graphs, quadratics, inequalities, differentiation, applications of differentiation, sequences, trigonometry, and integration. Statistics 1 has the following topics: representation of data, measures of location and spread, probability, probability distributions, binomial distributions, geometric distribution, expectation and variance of random variables and normal distribution.

Pure Mathematics 1 is worth 75 marks (60% of total mark) and has an exam of length 1 hour and 50 minutes. Statistics 1 is worth 50 marks (40% of total mark) with an exam length of 75 minutes.

MUSIC FACULTY

Head of Faculty: Ms Elinora Iversen, eiversen@st-peters.school.nz

A Level Music

ENTRY REQUIREMENTS

AS Music / Equivalent entry test

COURSE COSTS

NIL

COURSE DESCRIPTION

Students choose **two** of the **following three** options below.

1. Extended Performance: 15-20 minute performance on a single instrument plus a 1000-1500 word research report analyzing the music, comparing performances of the piece and discussing various performance and issues arising through practice.
2. Extended Composition: Single composition 6-8 minutes plus 1000-1500 word research report on relevant composers and styles and their impact on the composition, explaining the context and purpose of composition and providing an account of technical and creative decisions made.
3. Investigating Music:
 - a) 500 words outlining proposed area of study (Please remove this sentence as this is no longer a requirement)
 - b) 2500-3000 words on music topic such as repertoire of instrument, national characteristics, a genre, composer/performer etc.
 - c) 500 words reflective statement on process of research and listening.

PHYSICAL EDUCATION FACULTY

Head of Faculty: Mr Andrew Illman, aillman@st-peters.school.nz

AS Level Academic Physical Education

Entry Requirements

at least C in IGCSE Physical Education

COURSE COSTS

Textbook and course-related costs \$50

COURSE DESCRIPTION

AS Physical Education consists of 3 components:

1. (70%) of the course is made up of a written paper to be assessed externally in a 2.5 hr examination. It will consist of 3 sections:
 - Applied Anatomy and Physiology
 - Acquiring, Developing and Performing Movement Skills
 - Contemporary Studies in Physical Education and Sport.
2. 20% of the Coursework students will follow a minimum of 2 activities offered. Assessments will take place in conditioned competitive situations.
3. In addition, students will need to produce an action plan. Students will need to design, explain and follow an action plan for improvement in one of their chosen activities. These will be internally assessed and externally moderated by CAIE.

SCIENCE FACULTY

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

AS Level Biology

ENTRY REQUIREMENTS

A*, A or B in IGCSE Biology recommended
C Grade entry requiring interview with HOF.

COURSE COSTS

\$40 Biozone stationery, \$25 for additional resources

COURSE DESCRIPTION

AS Biology is a single award course which builds on knowledge and skills developed in IGCSE Biology. The course is assessed by 3 papers sat in October and November including 2 theory papers and an advanced practical skills paper.

AS Level Chemistry

ENTRY REQUIREMENTS

A*, A or B in IGCSE Chemistry recommended
C Grade entry requiring interview with HOF.

COURSE COSTS

Course Manual \$30

COURSE DESCRIPTION

AS Chemistry is a single award course which builds on knowledge and skills developed in IGCSE Chemistry. The course is assessed by 3 papers sat in October and November including 2 theory papers and an advanced practical skills paper.

AS Level Physics

ENTRY REQUIREMENTS

A*, A or B in IGCSE Physics, plus A*, A or B in IGCSE Mathematics, this will be strictly enforced

COURSE COSTS

\$25 for Practical manual

COURSE DESCRIPTION

AS Physics is a single award course which builds on knowledge and skills developed in IGCSE Physics. The course is assessed by 3 papers sat in October and November including 2 theory papers and an advanced practical skills paper.

TECHNOLOGY FACULTY

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

AS Level Design & Technology (Product Design)

ENTRY REQUIREMENTS	COURSE COSTS
Prior knowledge gained in Design & Technology/at least a "D" pass at IGCSE	\$125

COURSE DESCRIPTION

AS Level Consists of two components:

Component 02: This is a portfolio for a spatial design completed in class, this is weighted at 40% of the overall grade. Candidates are required to identify a need or opportunity for a spatial design and follow the design process to produce a final outcome. Candidates write their own brief, undergo appropriate research, generate concepts using drawing techniques and create a final model to be exhibited to an audience.

Component 13: 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 3 sections. Sections A and B tests candidates material and manufacturing knowledge in the form of short written answers and quick sketching. Section C requires candidates to design an original outcome to a given problem using a variety of drawing techniques combined with annotation.

AS LEVEL COURSE PLANNER FOR:

Name: _____

AS LEVEL COMPULSORY SUBJECT

Subject 1	Theology & Philosophy
Subject 2	English

AS LEVEL FOUR OPTIONAL SUBJECTS

Subject 1	
Subject 2	
Subject 3	
Subject 4	