

St Peter's College

Year 10 Subject Guide



Table of Contents

Year 10 Compulsory Subject Outlines	3 – 5
Year 10 Optional Subject Outlines	6 – 13
Year 10 Course Planner	14

Introduction

Year 10 at St Peter's College is a pre-cursor to the formal examination years 11, 12 and 13.

In Year 10 students will study the following core subjects:

- Theology & Philosophy
- English
- Science
- Mathematics
- Humanities
- PE and Health

- Plus 3 option subjects

Your son will study a total of 9 subjects in Year 10.

YEAR 10 COMPULSORY SUBJECT OUTLINES

ENGLISH FACULTY

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

Year 10 English

LEADS INTO

NCEA Level 1 English or Cambridge IGCSE Literature in English

COURSE DESCRIPTION

The course is designed to develop the students' ability to communicate clearly, accurately and effectively. They will read and view a range of engaging short and extended fiction and non-fiction texts and explore how writers use language techniques for an intended purpose. Students will also be encouraged to develop their understanding of the creative outlets of the subject through writing and a drama study. The course introduces students to aspects of the Literature side of the subject in preparation for Year 11.

HUMANITIES FACULTY

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

Year 10 Humanities

LEADS INTO

Both NCEA Level 1 and Cambridge IGCSE pathways into Geography and/or History

COURSE DESCRIPTION

The year 10 Humanities programme continues to build upon the foundations set in Year 9. The course is broken up thematically and both Geography and History are taught throughout the year. Subject content is divided into 4 key topics: 'Slavery, Black Civil Rights in the USA and Human Rights in New Zealand', 'Conflict and New Zealand Identity in the 20th Century', 'Population and Migration' and 'The Treaty of Versailles and its consequences. The last 2 topics are 'taster' topics from IGCSE Geography and IGCSE History which give students an ability to try Year 11 content and extend their learning opportunities.

MATHEMATICS FACULTY

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

Year 10 Mathematics

LEADS INTO

NCEA Level 1 Mathematics or IGCSE Mathematics

COURSE DESCRIPTION

The course includes the following topics: Number, Algebra and Geometry, Statistics, Graphs, Function, Mensuration, Trigonometry and Probability.

IGCSE Cambridge Accelerated Mathematics

LEADS INTO

Cambridge AS Mathematics Accelerated class

COURSE DESCRIPTION

The Cambridge Extended Maths exam is made up of two Papers, Paper 2 and Paper 4. Both papers will test subject knowledge and applying methods and understanding to problem solving. They are equally weighted and the same length. Paper 2 is a non-calculator exam and Paper 4 is a calculator allowed exam. Pupils will be examined on their knowledge of Number, Algebra and graphs, Coordinate geometry, Geometry, Mensuration, Trigonometry, Transformations and vectors, Probability and Statistics. Grades available from the Extended course are A* to E.

Qualification Gained: IGCSE Mathematics

PHYSICAL EDUCATION FACULTY

Head of Faculty: Mr Kieran Machin, kmachin@st-peters.school.nz

Year 10 Physical Education

LEADS INTO

NCEA Level 1 Academic Physical Education or Cambridge IGCSE Academic Physical Education

COURSE DESCRIPTION

The Year 10 Physical Education programme builds on the progress made in Year 9. Further development of physical skills and strategies across a range of contexts, with an underlying focus and drive for character education. Physical Education will be the setting for the growth and development of these transferable skills and qualities. The course consists of Adventure-Based Learning (ABL), a range of invasion, striking and fielding, and international games as well as basic fitness assessments and physiology.

SCIENCE FACULTY

Head of Biology: Ms Lynne Dell, ldell@st-peters.school.nz

Head of Chemistry: Dr Andrew Rogers, arogers@st-peters.school.nz

Head of Physics: Mr Peter Harris, pharris@st-peters.school.nz

Year 10 Science

LEADS INTO

NCEA Level 1 Science or Cambridge IGCSE Biology, Chemistry or Physics

COURSE DESCRIPTION

Year 10 Science at St Peter's College consists of two different courses:

- An NCEA (New Zealand curriculum) course aimed at preparing students for Level 1 Science in Year 11. This course covers aspects of Biology, Chemistry and Physics.
- A pre-Cambridge course aimed at preparing students for IGCSE individual Sciences: Biology, Chemistry and Physics, in Year 11. Students are encouraged to register for up to three Sciences, if they wish.

THEOLOGY & PHILOSOPHY FACULTY

Head of Faculty: Mr Tim MacKenzie, tmackenzie@st-peters.school.nz

Year 10 Church History, Art and Architecture

COURSE COSTS

\$20

LEADS INTO

NCEA Level 1 Theology & Philosophy or Cambridge IGCSE Religious Studies

COURSE DESCRIPTION

Year 10 Church History at St. Peter's College starts where year 9 Biblical Studies left off. Beginning with the Church's foundation, the course broadly surveys 2000 years of history, highlighting the life and influence of several key historic figures in each era. In the first 800 years of the Christian era students pay special attention to Sts. Peter, Augustine and Benedict during the persecution, legalization and growth of the Church. The life and works of Charlemagne, Francis and Thomas Aquinas symbolize the Middle Ages (800-1400). Reformation artists, Thomas More, and Rene Descartes meet the challenges of the Reformation, the Scientific Revolution and the Enlightenment (1400-1800). Edmund Rice, Mary Aubert and Oscar Romero characterize the globalization of the Church in the last two hundred years of Christianity. A special study is made of the predominant Church art and architecture in each era.

END OF COMPULSORY SUBJECT OUTLINES

YEAR 10 OPTIONAL SUBJECT OUTLINES:

STUDENTS MUST CHOOSE THREE

ART FACULTY

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

Year 10 Visual Art

COURSE COSTS

\$50 + Art pack

LEADS INTO

NCEA Level One Art Digital or Visual Art, or Cambridge IGCSE Art & Design

COURSE DESCRIPTION

The Year 10 Art Option is a foundation course on which each successive year builds. The course is designed to develop skills and techniques in preparation for Year 11 Art. The course is experimental in its approach and the students are encouraged and supported in learning new techniques and Art processes. Students will gain knowledge about the structure, content & meaning of art works. They will also develop a visual literacy & develop appropriate critical thinking skills as they analyse & question the parameters of visual arts practice. Students will produce work in painting, sculpture, printmaking and design.

COMMERCE FACULTY

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

Year 10 Business Studies - Economics

LEADS INTO

NCEA Economics and/or Accounting or Cambridge IGCSE Accounting and/or Economics

COURSE DESCRIPTION

Business Studies in Year 10 will be split into two different options. The choice is between **10 Business Studies – Economics** or **10 Business Studies – Accounting**. They have a lot of overlap but the majority of the year will be teaching either Economics or Accounting. 10 Business provides students with a full year course focused on a basic overview of either Accounting or Economics as well as Financial Literacy.

10 Business Studies - Economics involves looking at four main Economics areas:

1. Consumers and Demand. There is a focus on consumers decision making and the values that underpin those decisions. We also look at demand and what will affect demand and how it affects consumers and the economy.
2. Producers and Supply. We look at supply of goods and services and what will affect the level of supply in the economy.
3. The Market. We will combine demand and supply and determine what makes a market and how prices are determined and how the market will respond to changes in the price.
4. Interdependence of the Economy – how household, firms, the government and the overseas sector interact and have become ever increasingly reliant on each other in this globalised world.

It will also have a small Accounting component as well as Financial Literacy and Marketing.

Financial Literacy is giving our students a basic overview of essential financial skills for life. We will cover topics such as banking, interest rates, tax, budgeting, cost of living, CV's, mortgages/loans and renting vs owning. Students need these skills more now than ever before.

Marketing will cover market research and the "4 P's" of Price, Promotion, Product, Place.

Year 10 Business Studies - Accounting

LEADS INTO

NCEA Economics and/or Accounting or Cambridge IGCSE Accounting and/or Economics

COURSE DESCRIPTION

Business Studies in Year 10 will be split into two different options. The choice is between **10 Business Studies – Economics** or **10 Business Studies – Accounting**. They have a lot of overlap but the majority of the year will be teaching either Economics or Accounting. 10 Business provides students with a full year course focused on a basic overview of either Accounting or Economics as well as Financial Literacy.

10 Business Studies - Accounting will focus on Accounting which is the language of business. It provides students with the tools to make real life financial decisions in a constantly changing and uncertain world. We will look at four main areas:

1. Budgeting.
2. Decision making from both a personal and business level
3. Basic transactions, financial documents, and statements.
4. Managing sustainability in Businesses.

It will also have a small Economics component as well as Financial Literacy and Marketing.

Financial Literacy is giving our students a basic overview of essential financial skills for life. We will cover topics such as banking, interest rates, tax, budgeting, cost of living, CV's, mortgages/loans and renting vs owning. Students need these skills more now than ever before.

Marketing will cover market research and the "4 P's" of Price, Promotion, Product, Place.

HUMANITIES FACULTY

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

Year 10 Latin

LEADS INTO

Year 11 Classics in the Cambridge pathway

COURSE DESCRIPTION

Following on from the course in Year 9, students taking Year 10 Latin will work towards improving their grammatical understanding with an expanded vocabulary. The syllabus follows the life of Caecilius in Pompeii, and changes scope to Roman Britain halfway through the year. Boys will translate stories that relate to the lives of authentic Pompeians and engage with the appropriate cultural lifestyle of the 1st Century CE Roman Empire. Moreover, students will develop an analytical approach to learning language and be better equipped to compare the structure of Latin with those of other languages and to recognise the impact of Latin on modern English. The course also encourages students to develop an appreciation of literature, both in terms of content and style, and of social and historical context.

Skills gained include the ability to translate and understand Latin, an enthusiasm for learning about the past and the ability to present clear, logical arguments which are well supported by evidence.

Alongside the language component, boys will engage with various cultural aspects of the ancient world, including a study of the development of mythological and religious thought in Ancient Rome, the Pantheon of gods, a study of the military strength and technological innovation ancient societies, viewed through a careful selection of 5 significant battles, and a close inspection of Caesar's Gallic Wars through translation of the original text.

LANGUAGES FACULTY

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

Year 10 Chinese

COURSE COSTS

\$23 (+GST) Education Perfect Subscription

LEADS INTO

NCEA Level 1 Chinese or Cambridge IGCSE Mandarin Chinese

COURSE DESCRIPTION

This is a 1-year course designed to help students cope with a variety of routine situations when visiting Chinese-speaking countries or when dealing with Chinese speakers in New Zealand. Students who complete Year 10 can use familiar language with some flexibility and pick up new language from its context. They can read and write simple notes and fill out most parts of simple forms. They can understand and make use of many of the customs and beliefs of the Chinese culture. Although they may still be hesitant about talking to native speakers, their confidence is growing.

Year 10 Spanish

COURSE COSTS

\$23 (+GST) Education Perfect Subscription

LEADS INTO

NCEA Level 1 Spanish or Cambridge IGCSE Spanish

COURSE DESCRIPTION

This is a 1-year course that revises and then extends the work covered in Year 9. Students can communicate about a variety of familiar situations such as schooling, home life and their immediate environment. The language acquired goes beyond formulaic expressions so that students can experiment with the language in order to communicate independently and with growing confidence.

Year 10 Te Reo Māori

COURSE COSTS

\$23 (+GST) Education Perfect Subscription

LEADS INTO

NCEA Level 1 Te Reo Māori

COURSE DESCRIPTION

This is a one-year course for students who wish to learn to speak te reo Māori, learn waiata-songs and karakia-prayer, and practice tikanga Māori-protocols. Students are introduced to more advanced sentence structures and grammatical rules so that they can communicate in a wider variety of familiar and less familiar situations. Students will prepare speeches to give thanks and show understanding of the history of te reo Māori.

MUSIC FACULTY

Head of Faculty: Mr Antun Poljanich, apoljanich@st-peters.school.nz

Year 10 IGCSE Music

LEADS INTO

NCEA Level 1 Music or Cambridge AS Music in Year 11

ENTRY REQUIREMENTS: Accelerate music program completed – preferred. Or equivalent knowledge required – determined by entry test.

COURSE DESCRIPTION

Following on from the accelerated course in Year 9, students taking Year 10 Music will continue working towards achieving IGCSE Music. Covers Listening, Performing and Composing over a wide range of music styles. Students focus on seven areas of study, through which they experience a rich mixture of music from different traditions, times and places. Students will perform both solo and in an ensemble, and compose two contrasting compositions.

Qualification Gained: IGCSE Music

PHYSICAL EDUCATION FACULTY

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

Year 10 Sports Science

LEADS INTO

NCEA Level 1 Academic Physical Education or Cambridge IGCSE Academic Physical Education

COURSE DESCRIPTION

Theory:

The topics covered include:

Term 1: Analysing Human Movement during Physical Activity: Anatomy, Biomechanics and Physiology

Term 2: Principles and Components of Fitness

Term 3: Olympic Games, Analysing a Sporting Event

Term 3: Psychology of Sport, inside an athlete's mind

Term 4: Sports Nutrition and Performance Enhancing Drugs

Practical:

Utilising the Sports Education Model, Traditional Styles and a number of other teaching styles and strategies, the practical work will comprise of situations for the students to undertake different roles within each activity covered. Practical lessons will be focused on providing a hands-on experience related to the current teaching within the classroom, or developing interpersonal skills through roles which are in place to help foster some of the values that physical education directly or indirectly work towards during group and/or team environments.

Year 10 Basketball Science

COURSE DESCRIPTION

The course will offer in-depth coverage of the technical and tactical components of the game. Physical development is a key component of the course. The boys will also learn basic mental skills to assist them with Basketball.

The course is ideally suited for boys who are motivated to make the most of their basketball ability and who aspire to play 1st V Basketball.

This is a standalone Year 10 course and does not run in Year 11.

Year 10 Cricket Science

COURSE DESCRIPTION

This course gives keen cricketers the opportunity to improve their game through a structured programme of training, skill development and strategic awareness. Students who opt for this subject will be the first to reap the benefits of our new top-class indoor net facility which allows practical training and conditioning all year round. Terms 1 and 4 will focus on in-season training and development. Terms 2 and 3 will look at off-season conditioning, exercise physiology, skills analysis and then pre-season training. Students will also be given the opportunity to gain both coaching and umpiring qualifications during these terms.

This is a standalone Year 10 course and does not run in Year 11.

Year 10 Football Science

COURSE DESCRIPTION

The course will offer in-depth coverage of the technical and tactical components of the game. Physical development is a key component of the course. The boys will also learn basic mental skills to assist them with Football.

The course is ideally suited for boys who are motivated to make the most of their football ability and who aspire to play 1st XI Football.

This is a standalone Year 10 course and does not run in Year 11.

Year 10 Rowing Science

COURSE DESCRIPTION

The course will offer in-depth coverage of the technical and tactical components of the sport. Physical development is a key component of the course. The boys will also learn basic mental skills to assist them with Rowing.

The course is ideally suited for boys who are motivated to make the most of their rowing ability and who aspire to compete in Maadi Cup.

This is a standalone Year 10 course and does not run in Year 11.

Year 10 Rugby Science

COURSE DESCRIPTION

The course will offer in-depth coverage of the technical and tactical components of the game. Physical development is a key component of the course. The boys will also learn basic mental skills to assist them with Rugby.

The course is ideally suited for boys who are motivated to make the most of their rugby ability and who aspire to play 1st XV rugby.

This is a standalone Year 10 course and does not run in Year 11.

TECHNOLOGY FACULTY

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

Year 10 Design & Visual Communication (DVC)

COURSE COSTS

\$80 +Graphics Kit

LEADS INTO

Cambridge IGCSE or NCEA Level 1 Design and Visual Communication

COURSE DESCRIPTION

DVC at Year 10 provides students with the opportunity to build their sketching, drawing, rendering and computer skills so that they can visually explain their ideas for Product and Spatial/Architectural design.

By the end of the year students will have the ability to:

- Produce 2D and 3D freehand sketches that communicate design ideas
- Product Computer Aid Design (CAD) drawings that communicate design ideas
- Use rendering techniques to communicate the form of design ideas

Students will complete the above while producing the work for a given design brief. They will undertake development of design ideas through graphics practice.

The current briefs at Year 10 are:

- Basic skills – Technical Drawing, Freehand Drawing
- Product Design – Backpack Design, Portable Speaker Design
- Spatial Design – Dream Room / Treehouse Design

Year 10 Hard Materials

COURSE COSTS

\$110

LEADS INTO

NCEA Level 1 Hard Materials Technology

COURSE DESCRIPTION

Students will be working through a number of set units of work which will empower them to be creative and use prior knowledge and motor skills to achieve the desired Technological outcomes.

Unit 1: Students will design and make a Model Vehicle.

Unit 2: Students will Learn to read Construction plans and create a Chest

Students will be able to:

Understanding and using the design process to achieve a creative outcome.

Build knowledge and understanding of tools, processes and materials, to achieve a suitable practical outcome to a set design problem.

Year 10 Coding

COURSE COSTS

\$45

COURSE DESCRIPTION

Students will be working through 2 units of work that will introduce them to basic understanding of webpage and computer programming.

Unit 1: Students will design and create their webpage using HTML and CSS.

Unit 2: Students will undertake a series of exercises that will introduce them to basic Python programming.

Students will be able to:

Understand how to use basic HTML and CSS to write a code to produce a simple personal webpage. Understand Python as an introductory but high-level and general purpose programming language that is currently one of the most popular programming language in the computer world.

This is a standalone Year 10 course and does not run in Year 11.

YEAR 10 COURSE PLANNER FOR:

Name: _____

COMPULSORY SUBJECTS

SUBJECT

English

Humanities

Mathematics

Physical Education & Health

Science

Theology & Philosophy

OPTIONAL SUBJECTS

SUBJECT

1

2

3