



## YEAR 12 SUBJECTS & LEARNING OUTCOMES

**These subjects will prepare students for entry to the USP Science Stream Foundations Course**

### 1. **Geometry (ACE PACEs 1109–1120) Prerequisite: Algebra I**

This course expands the deductive reasoning powers of the student as he reviews previously learned material and is introduced to new concepts.

The student learns:

To reason logically and systematically.

Properties and theorems and how to use them for solving problems—converse and construction, parallelograms, tangency, exterior angle; Hinge, Pythagorean, and regular polygon theorems.

Types of shapes, angles, arcs, and chords, and learns to find the circumference and area.

Tangents, secants—angles formed and intersecting within a circle.

Twelve DVDs are available to reinforce this course.

### 2. **English 2 (ACE PACEs 1109–1120)**

The student:

Writes using four kinds of paragraphs and correct sentence structure.

Reviews the characteristics of writing a biography and an autobiography and learns to make note and source cards while using reference books at the library.

Studies the elements of a book and examines the author's style while reading, studying, and answering questions about God's Tribesman by James and Marti Hefley and The Hiding Place by Corrie ten Boom and John and Elizabeth Sherrill.

Identifies and reviews basic grammar.

Expands vocabulary through learning and writing new words.

Classifies and diagrams the seven basic sentence patterns of simple and complex sentences.

Discovers the purpose and type of newspaper articles and writes a newspaper article.

Determines the purpose and appropriate forms of business and social letters and letters of application.

Gains practical application of library skills.

Learns to identify and appreciate poetic forms.

Is encouraged in character development through examples given in each PACE.

### 3. **Physical Science (ACE PACEs 1109-1120) – Prerequisite Algebra 1**

The student:

Learns the scientific method and notation, powers of ten notation, significant figures; homogeneous and heterogeneous substances; air and atmospheric pressure, pressure and density of gases; formation of chemicals, elemental periods and families; metals and metalloids.

Studies laws of motion and gravity, light, electricity, and modern physics. n Applies Scriptural principles to everyday situations.

#### **4. World History (ACE PACEs 1097-1108)**

The student:

Learns about ancient civilizations, the Middle Ages, the Renaissance, Colonialism, the Age of Revolution, and the history of Europe between 1850-1990s.

Learns about the fall of Communism—the spiritual awakenings and the missionary outreach.

#### **Our Changing Society Year 10 (VANUATU NATIONAL CURRICULUM) \***

*\*Only in 2018. From 2019, only Year 10 will study this subject*

The student learns about:

Change brought about by science and technology. The Industrial Revolution.

The fight against disease. Transport and communications. Use of electricity.

Nuclear weapons. The Green Revolution. Computers and robots.

Change brought about by the deliberate action of individuals, groups and organizations.

Martin Luther King. Trade Unions. The Pacific Community.

Change brought about by the spread of people, goods and ideas. The impact of outsiders on Pacific island society. Women in society. Popular music.

Change brought about by alterations to the natural environment. Cyclones in Vanuatu.

Desertification and the disappearance of forests. Global warming.

Change and you.

<b>These subjects will prepare students for entry to the USP Social Sciences &amp; Arts Stream Foundations Course</b>
---

1. **Geometry (ACE PACEs 1109–1120) Prerequisite: Algebra I**

2. **English 2 (ACE PACEs 1109–1120)**

3. **World History (ACE PACEs 1097-1108)**

4. **General Business (ACE Self-Pacs 97-108)**

The student:

Learns about markets, consumer studies, advertising, corporations and industries, careers in business, production, labor, federal control, international business, banking, and finance

5. **Accounting (ACE PACEs)**

The student:

Learns about transactions, posting items to a ledger, worksheets, financial statements, recording payroll, taxes.

#### **Our Changing Society Year 10**