



YEAR 11 SUBJECTS & LEARNING OUTCOMES

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

1. Algebra I (ACE PACEs 1097–1108)

Basic algebraic concepts (definitions, signs, and expressions) are introduced in a carefully structured way to make the learning material understandable. This curriculum includes principles for logically solving, transposing, and canceling algebraic equations. The student works with:

Monomial and polynomial expressions.

Algebraic addition, subtraction, multiplication, and division.

Complex fractions: reducing, simplifying, and solving word problems.

Algebraic graphs—linear equations, consistent, inconsistent, and dependent in word problems.

Quadratic equations, factoring, positive and negative numbers, averages, percentages, interest, ratios, and proportions, and translating word problems to algebraic equations.

The Pythagorean Theorem.

2. English 1 (ACE PACEs 1097–1108)

The student:

Learns about the history of the English language.

Practices using resources—dictionary, thesaurus, concordance, encyclopedia, and the library.

Reviews outlining.

Writes a biographical sketch and answers essay questions.

Continues to review and write with verbs—action/linking, transitive/intransitive, active/passive voice, tenses, progressive form, and emphatic mood.

Reads and analyzes *The Swiss Family Robinson* by Johann Wyss and *Twice Freed* by Patricia St. John.

Learns the parts of a book; the elements of a short story and a novel—chronological order, spatial order, and order of importance; the exposition, complication, and resolution of story plots.

Diagrams simple, compound, and complex sentences.

Is introduced to new vocabulary words.

Identifies and uses the literal and figurative meanings of words and understands word derivations.

Writes a composition unified by a single coherent thesis with a consistent tone and focus.

Demonstrates an understanding of sentence construction by correctly using clauses, phrases, and the mechanics of punctuation.

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

3. Biology (ACE PACEs 1097–1108)

The student:

Views the wonders of the Creator as he studies the structure and function of man's skin, skeleton, and muscles; the central nervous system; blood and circulation; nutrition and growth.

Observes scientific proof for Creation of fish, amphibians, reptiles, and invertebrates.
Examines mammals—their characteristics, migration, and hibernation; groups and body structure of birds; characteristics and classification of plants.
Learns the system of scientific classification.
Uses character stories to apply Scriptural principles to everyday situations.

4. World Geography (ACE PACEs 1097–1108)

The student:

Studies the beginning (Postdiluvian) earth, earth’s resources, Africa, Canada, the United States, Latin America, the Arctic, Western Europe, Eastern Europe, Northern Asia, Southern Asia, the South Pacific Islands, and the Middle East.

Learns about some of the challenges of each region.

Reads, draws, and interprets maps.

Completes a continent-by-continent study of geography.

Compares and contrasts political regions.

Determines Christian influence of each area.

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.

These subjects will prepare students for entry to the USP Social Sciences & Arts Stream Foundations Course:

- 1. Algebra I (ACE PACEs 1097–1108)**
- 2. English 1 (ACE PACEs 1097–1108)**
- 3. World Geography (ACE PACEs 1097–1108)**
- 4. Business Math (ACE PACEs 1-12)**

The student:

Reviews general math concepts.

Studies percentages.

Learns about the hourly wage system, salary, and commission.

Studies local, state, and federal taxes.

Examines the purchasing and pricing of goods for profit, the wholesaler, and the manufacturer.

Practices cheque book reconciliation, budget preparation, calculation of discounts, and insurance acquisition.

Our Changing Society Year 10