

ELECTIVE SUBJECT SUMMARIES

CHRISTIAN AND BIBLICAL STUDIES COURSES

Christian Growth (1/2 credit 6 PACEs)

These PACEs introduce students to books by leading Christian authors on aspects of living a triumphant Christian life. Books used with the PACEs provide examples and practical, realistic information that is motivational as well as inspirational. Books include:

- The School of Obedience by Andrew Murray
- The Hour that Changes the World by Dick Eastman
- Nervous Christians by L. G. Little and T. H. Epp
- The Spirit-Controlled Temperament by Tim LaHaye
- When a Christian Sins by John R. Rice
- This Way to Happiness by Clyde M. Narramore

Introduction to Missions (1/2 credit 6 PACEs)

Missionary biographies and autobiographies have long been recognized as an important key to touch the heart and introduce people to worldwide missions. In this course, students gain an appreciation of what has helped shape the course of mission work. The videos "Beyond the Next Mountain" and "Wings of the Morning" are recommended for use in conjunction with PACEs 3 and 6. Required reading for missions' course:

- Peril by Choice by James Hefley
- Peace Child by Don Richardson
- Beyond the Next Mountain by Mawii Pudaite
- C. T. Studd by Norman Grubb
- The Triumph of John and Betty Stam by Geraldine Taylor
- Give Up Your Small Ambitions by Michael Griffiths
- Flagellant on Horseback by Richard Ellsworth Day

Life of Christ (1 credit 12 PACEs)

Written on the senior high school level, this course will greatly increase students' understanding of the Gospels. As they study the background of the Gospels, the world as it was in Christ's day, the Jews—their characteristics and habits—and aspects of Christ's life, ministry, death, and resurrection, they gain insights that will enhance their personal walk with the Saviour.

Old Testament Survey (1 credit 12 PACEs)

A comprehensive course that will provide high school students a book-by-book understanding of the Old Testament. The chronology, history, setting, and content of the Old Testament are examined in such a way that students' comprehension is increased. Of special interest are Old Testament covenants and time periods.

New Testament Survey (1 credit 12 PACEs)

A course designed to introduce students to the penman, the place, the period, the problem, the peculiarities, the purpose, and the plan of each book. This course contains a special project students must do before they can complete the final test.

New Testament Church History (1 credit 12 PACEs)

A fascinating study tracing the roots of church history. The course can develop an appreciation of the role of the church from its earliest days. It is intended for upper-level high school students, the subject matter explains God's plan for the formation and spread of the church and the extension of the Gospel.

Successful Living (1 credit 12 PACEs).

This course is based around a study of the biblical book of Proverbs. The curriculum guides students in practical ways towards leading a successful life. It teaches proper attitudes to authority and how to apply the wisdom of Proverbs to daily living. It is a very popular course and is highly recommended.

Soul Winning (0 Credit 1 PACE plus Kit)

This is not a full course. It is a single PACE and tract which will assist students to understand and present the plan of salvation. This course teaches students to be effective witnesses of Jesus and the Gospel. It deals with the following topics:

- What is Soul Winning?
- Who is Involved in Soul Winning?
- How Does the Soul Winner Prepare for Soul Winning?
- How Does the Soul Winner Present the Plan of Salvation?

Biographies of Christians (1 Credit 10 PACEs)

This course presents the biographies of Christians whose exemplary lives have earned them the privilege to be studied. The principles guiding their lives are outlined, and their significance for us today is examined. Students study such books as:

- Profiles in Evangelism by Fred Barlow -
- Hudson Taylor's Spiritual Secret by Dr. and Mrs. Howard Taylor -
- George Mueller of Bristol by Arthur T. Pierson -
- The Life of D. L. Moody by William Moody -
- R. A. Torrey: Apostle of Certainty by Roger Martin -
- He Gave Us a Valley by Helen Roseveare -
- George Washington the Christian by William Johnson -
- Shadow of the Almighty by Elisabeth Elliot -
- Gipsy Smith: From the Forest I Came by David Lazell -

Introduction to Christian Counselling (1 Credit 10 PACEs)

Some of the subjects covered in this course include: the place of counselling, the Holy Spirit in counselling, and the pastor as counsellor. The role of Christian school teachers as counsellors is discussed. The language of counselling, the love of counselling, and the charge of counselling are detailed. Getting started in counselling, basic approaches, and data gathering are informative subjects for the new counsellor. There are insights for dealing with anger, envy, depression, schizophrenia, sexual problems, and fear. (Mature senior students only. Not recommended for use by younger high school students.) Resource books:

- Competent to Counsel by Jay Adams
- Christian Counsellor's Manual by Jay Adams

MATHS COURSES

Algebra I (1 Credit 12 PACEs)

Basic algebraic concepts are introduced in a carefully structured way so as to make the learning material understandable. This curriculum includes principles for logically solving, transposing, and cancelling algebraic equations.

Students work with:

- Monomial and polynomial expressions.
- Algebraic addition, subtraction, multiplication, and division.
- Factoring, quadratic equations, positive and negative numbers, averages, percent, interest, ratios, and proportions.
- Algebra I has lessons on DVD

To help students gain mastery in Algebra I, Accelerated Christian Education has developed a series of 12 DVDs to complement the paper PACEs. The traditional strengths of individualized, mastery-based education combined with the utilization of sound, full-motion video, and colourful graphics enhances the learning process, resulting in longer attention span and conceptual retention.

Algebra II (1 Credit 12 PACEs)

This advanced study in algebra includes:

- Parabolas
- Hyperbolas
- Permutations
- Logarithms
- Matrices

Students learn to operate with:

- Radicals, fractions, and equations
- Arithmetic and geometric sequences

The approach is practical, enabling students to use their reasoning abilities. The program effectively equips your students with the necessary knowledge to excel in the real world.

Business Maths (1 Credit 12 PACEs)

A practical course, which equips students with the necessary mathematical skills to be successful in business. Topics include:

- A review of whole numbers, common fractions and decimals
- A study of percentages
- Salaries, wages, cheque and savings accounts, budgets and home ownership
- Taxes, insurance, discounts, purchasing and pricing goods
- A study of the mathematics of the wholesaler and the manufacturer

Senior Maths Preparation (1 Credit 12 PACEs)

This course is highly recommended for students wanting to do Senior Maths 1 and 2. It requires participants to complete 9 PACEs from Geometry and 3 from Algebra 2.

Students who wish to complete the Senior Maths course are advised to complete the following PACEs as preparation **after** completing Algebra 1 (1097 – 1008):
 Geometry – 1109- 1114; 1117-1119 & Algebra 2 – 1122, 1123, 1125, 1128, 1130.
 This course earns one credit titled “Senior Maths Prep.”

Senior Maths 1 (1 Credit 11 PACEs)

This comprehensive course teaches students advanced mathematical concepts and skills. Unit one is designed to help learners become familiar with their graphics calculator and how to apply it in the Senior Maths course. This course is often a prerequisite for entry into maths based university courses. Consult your distance education / home school service provider, for guidance. Senior Maths 1 and 2 are one course, designed to prepare students for entrance into Science, Maths and Engineering degree courses.

- Topics include: The Graphics Calculator, Variation and Applications of Trigonometric Ratios
- Arithmetic and Geometric Progressions
- Univariate Data, Indices and Logarithmic Functions
- Growth and Decay of Money
- Data Descriptors, Relations and Functions

Senior Maths 2 (1 Credit 11 Paces)

This comprehensive course teaches students advanced mathematical concepts and skills. Senior Maths 1 and 2 are one course, designed to prepare students for entrance into Science, Maths and Engineering degree courses.

Topics include:

- Sketching graphs and Trigonometric graphs
- Applications of Derivatives and Differentiation Rules
- Anti-differentiation and Probability
- Discrete Probability Distributions

Geometry (1 Credit 12 PACEs)

How were the ancient Greeks able to calculate the circumference of Earth over two thousand years ago? They studied geometry. How many teens can logically come up with answers to the problems they face from day to day?

This course:

- Assists with the development of the deductive reasoning powers of students.
- Reviews previously learned material.
- Includes the following concepts. :
 - Properties and theorems and how to use them for solving problems.
 - Reasoning logically and systematically.

A complete set of twelve DVDs is available to help students understand geometric concepts as they learn in the PACEs.

SCIENCE COURSES

Earth Science (1 Credit 12 PACEs)

This course is an exciting study, which teaches students' about God's glorious creation from a scientific and biblical perspective. The Bible states: "The Heavens declare the Glory of God". Through studying the solar system, students will learn more about God and the physical universe. Topics include:

- the earth in space, planets and the solar system
- topography of the earths layers
- hydrosphere and oceanography
- Atmosphere
- Meteorology
- Earthquakes
- Mapping
- Mineral resources
- The wonders, cycles and resources of creation
- Erosion and glaciations

- In the beginning God. Proofs of Creation and the Flood

Physical Science (1 Credit 12 PACEs)

This course is an excellent introduction to chemistry and physics. The first physical science PACE has a pop-out section that includes a Periodic Table of the Elements and Rules for Solving Problems. Each PACE includes a reusable Text Pac and a consumable Activity Pac.

Character development stories are in each PACE. The teen characters, in the process of solving their problems, apply scriptural principles and demonstrate character development.

Prerequisite: Algebra I.

DVDs are available for use with this course.

Chemistry (1 Credit 12 PACEs)

Students are given a solid introduction to the science of chemistry. All units view the material from a biblical perspective and provide necessary helps.

This course covers:

- Organic and inorganic chemistry
- Biochemistry
- Molecular bonding
- Chemical reactions
- Gas laws
- Electrochemistry
- Nuclear chemistry
- Balancing of chemical equations
- Periodic Table of the Elements
- Properties of metals, non-metals, and metalloids
- Chemical equilibrium
- Thermodynamics
- Acids and bases
- Quantitative and qualitative analysis

Each PACE includes a reusable Text Pac and a consumable Activity Pac.

Prerequisites: Physical Science, Biology, and Algebra I.

Physics (1 Credit 12 PACEs)

The basics of Physics are practical, interesting, and understandable in this self-contained course. Full of illustrations and applications, it covers:

- Measurements and mathematics

- Force and motion
- Momentum and energy
- States of matter
- Gas laws
- Heat and kinetic theory
- Radiation and nuclear energy
- Electrochemistry
- Magnetism and electrical circuits
- Light and electricity
- Optics and optical instruments
- Wave motion and sound

Each PACE includes a reusable Text Pac and a consumable Activity Pac.
Prerequisites: Physical Science, and Algebra I.

Biology (1 Credit 12 PACES)

When God created our earth, He filled it with a vast array of living creatures. This course explores the wonders of that living Creation. Included are studies of birds, mammals, fish, amphibians, reptiles, sponges, coelenterates, mollusks, echinoderms, worms, arthropods, plants, and microorganisms. A study of the human body includes the integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, and endocrine systems. Genetics and embryology are incorporated into the study of the human reproductive system.

Each PACE includes a reusable Text Pac and a consumable Activity Pac.

DVDs are available for use with this course.

Survey of Biology (1 Credit 10 Paces)

This course is an introductory study of college biology. A scientific and Scriptural survey of the principles common to both plant and animal kingdoms is included.

Bible and Science (1 Credit 10 Paces)

A basic introduction to the Biblical and scientific case for creationism as well as a literal belief in the scientific accuracy of the biblical record.

Resource books:

- A Case for Creation by Wayne Frair and P. William Davis
- Evolution: The Fossils Still Say No! by Duane T. Gish
- Scientific Creationism by Henry Morris
- In the Beginning by John R. Rice

Nutrition Science (1/2 Credit 6 PACEs)

This course provides students with valuable, lifelong knowledge that will teach them how to lead a healthy life. An in depth study of nutrition educates the student on which foods are healthy or unhealthy and empowers him/her to make smart choices. Students will learn the importance of a balanced diet and how to plan their eating. By learning the scientific facts about food, students will be better equipped to avoid being deceived by false and persuasive advertising.

Some of the topics in the course include:

- The Importance of a Balanced Diet
- Planning Your Eating
- Scriptural References to Eating
- Water, Fat and Fibre
- Whole Grains, Carbohydrates, Starches and Sweets
- Protein and Beans
- Fat-Soluble Vitamins and Water-Soluble Vitamins
- Minerals and Using Vitamin Knowledge in Your Daily Habits
- Vegetables and Fruit
- Keys to Lifetime Weight Control

SOCIAL STUDIES – HUMANITIES COURSES

World History (1 Credit 12 PACEs)

World history from Creation to the present is viewed from a Biblical perspective. The view includes ancient civilizations, the Middle Ages, the Renaissance, colonialism, the age of revolution, spiritual awakenings, and the missionary outreach.

Optional Resource: Hammond World Atlas for Students

World Geography (1 Credit 12 PACEs)

Can you find Djibouti on a world map? What is the climate like in Afghanistan? What are the primary geographical features of Australia? How have the continents of Europe and Asia changed since the fall of Communism? The answers to these questions, and much more, can be found in this world geography course.

Included are:

- Reading, drawing, and interpreting various kinds of maps and a continent-by-continent study of geography
- A MAP MANIA double-page world political map, and single-page climate and topographical maps

- Reusable Text Pac (PACE) and a consumable Activity Pac

Collectivism (1 Credit 6 PACEs)

A course tracing the history of collectivism, starting with the fall of man, and concluding with a detailed look at the major philosophical “isms” of communism and fascism. The study gives the student an awareness of the satanic, humanistic and conspiracy aspects of those ideologies from a Christian point of view.

Economics (1credit 10 PACES)

This course introduces students to the biblical foundations for the study of economic systems. The scope includes price theory, production, free enterprise, free trade, banking, investments, international trade, stewardship, government and the economy. Throughout the course, the importance of biblical ideals and values in the marketplace is emphasized.

Senior Modern History 1-2 (2 Credits 20 PACEs)

Senior Modern History Units 1 to 20 is a two-year History course written from a Christian perspective. Units 1 - 10 cover major events in European and World History from the mid-eighteenth century to the present day. Units 11 - 20 cover Chinese, Vietnamese and Australian history, also to the present day.

It is an excellent course developed from the Senior History Syllabuses of all Australian States and New Zealand. It is appropriate for Year 11 and Year 12 students. This course is designed to assist with the development of higher level thinking skills and prepares students for university study by teaching them the skills of historical investigation and research.

History of Civilization I (1 Credit 10 PACEs)

The origin and development of Western man and his institutions are traced from the ancient Fertile Crescent to the Reformation. Some of the topics include:

- An Introduction to History
- Studies of: Ancient Near East, Ancient Greece, the Romans, the rise of Christian Europe, and feudal Europe.
- A study of: the High Middle Ages, the Renaissance, the Reformation and New Science.

History of Civilization II (1 Credit 10 PACEs)

This course traces the development of Western man and his institutions from the Reformation. Study topics include:

- A study of the Age of Absolutism, the Enlightenment, the French Revolution and Napoleon.
- A study of the Industrial Revolution, the Romantic Movement and Nationalism.
- The First World War, in between wars and the Second World War.
- The contemporary world.

American History (1 Credit 12 PACEs)

An appreciation for biblical influence develops as the student views American history from the colonial period to the present. Beginning with discovery of the New World, the study includes the War of Independence, the Jackson Era, the War Between the States, the two World Wars, America's foreign relations after World War II, the cold war, space exploration, Civil Rights, the United Nations, Watergate, and the awakening which continued on from 1970.

Resource Books:

The Federalist Papers

Hammond World Atlas for Students

ENGLISH COURSES

Speech (1/2 Credit 6 PACEs)

This course trains the learner in the skills and techniques required to be an effective communicator. Some of the topics studied are:

- Breathing techniques and sound projection
- Resonance, pace and pitch
- Articulation, pronunciation and vocabulary
- Dialects

Senior Literature (1/2 Credit 5 PACEs)

A study of a variety of Christian literature designed to guide the student into a thoughtful, systematic method of reading and to introduce him/her to a variety of Christian material. Upper high school level. Books studied include:

To be the First, by William N. McElrath

The Flood, by Alfred Rehwinkel

Let us Pray, by Watchman Nee

The Hiding Place, by Corrie ten Boom

Ben Hur, by Lew Wallace

English Composition I (1 Credit 10 PACEs)

A study of the fundamentals of English composition: grammar, parts of speech, punctuation, mechanics, spelling, and the actual construction of sentences, paragraphs, and compositions. This course is a grammar course which prepares the student to write compositions in the following course “English Composition II”.

English Composition II (1 Credit 10 PACEs)

This course is designed to aid students in developing their writing skills. The techniques of effective writing such as introductions, outlines, storytelling, comparison and contrast, and many other features which are essential to a good piece of literature are covered. This course is a good preparation for humanities students who want to study humanities subjects at university.

Health (1/2 credit 6 PACEs)

Health issues of vital concern to the well-being of the body are covered in this course. Material includes: basic information about the human body—its functions and limitations, malnutrition, nutrition and the well-balanced diet, exercise and physical fitness, CPR (cardiopulmonary resuscitation), first aid and safety, health hazards, cancer, heart disease, and AIDS.

General Business (1 Credit 12 PACEs)

This course provides an introduction to business: seeing how the individual, the family, the nation, and the world are involved. Students will learn important commerce and marketing principles.

Some of the topics include:

- Consumer behaviour
- A study of Corporations and careers in business
- A study of business relationships and human needs in business
- A study of banking, capital and international business

LANGUAGE COURSES

Also see our Rosetta Stone Language Courses available through Christian Education Ministries. There are thirty languages from which to choose.

French I (1 Credit 12 PACEs)

High school students are introduced to the French language with special emphasis on developing good reading skills. Upon completion, students should have an understanding of the accentuation [inflection of words] of the French language and will have had several opportunities to utilize the lessons learned through practice reading and taped lectures. Tapes are required.

Greek I (1 Credit 12 PACEs)

An introductory course in the Greek of the New Testament designed to enable students to read from the Greek New Testament. Vocabulary, grammar, and accentuation are the major studies, ending with an application of all grammar learned by translating I John. (May be waived by students who have shown proficiency in the course "Basic Greek".) Resource books:

- Greek New Testament (Textus Receptus)
- Greek Handbook

Spanish I (1 credit 1 -12 PACEs)

This Spanish course introduces the student to conversational Spanish and Spanish grammar. It incorporates video demonstrations. The videos present the instructional content, and the Activity Pacs provide the drill and learning activities. The course consists of 24 instructional videos, 12 Activity Pacs, 1 Test video, and 4 Score Keys. It presents language studies with a biblical emphasis and with wisdom principles.

ART COURSES

Art 1073 – 1084 (1 Credit 12 PACEs)

This is a comprehensive course which introduces students to a wide variety of tools, mediums, techniques and styles. It is intended to give the student a good understanding of the concepts of art.

Some of the topics covered are:

- An introduction to art and the tools needed
- An introduction to design and shapes
- A study of line variation and shape
- Texture and perspective
- Colour and its principles
- Figures, heads and cartoons
- Landscapes and interiors
- An introduction to lettering, the pens and the styles

Art 1097 – 1108 (1 Credit 12 PACEs)

This is an intermediate art course which builds students' skills, requiring them to use a variety of tools, mediums, techniques and styles.

Some of the topics are:

- An introduction to the tools of art: the pencil, pen, ink and paints
- A study of the principles of design
- Observation, point of view and perspective
- Light and shade
- Textures, forms and moods
- Colour: hue, value, value, intensity and proportions
- Drawing Figures
- Drawing clothes and draperies
- Landscapes and Buildings
- Chalk talks
- Lettering and layouts

Music (1/2 Credit 6 PACEs)

This course introduces students to the five basic groups of musical instruments. The subject covers a variety of theoretical topics such as:

- Selecting an instrument
- Practicing
- Properties of Tone
- Labelling the notes
- Hymnology and Notation
- Scales and Key signatures