



A. C. E. CURRICULUM

Scope & Sequence

Canadian Edition



ACCELERATED CHRISTIAN EDUCATION.

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All high school subjects (PACEs 1097-1144) are one full credit unless otherwise indicated.

Reading Programs

Kindergarten with Ace and Christi (K3–K5)

Students who test “**not ready to learn to read**” will enjoy and benefit from this program as they learn to identify letters of the alphabet and to recognize numbers. Animal pictures, activities, and full-color pictures introduce social skills, the wonders of God’s world, and the reality of God’s love. Visualized instructions allow students to take the initiative in the learning process and to become independent learners. Since this program incorporates specific activities to develop sequencing and phonetic skills, promotes auditory processing, and improves eye-hand coordination and visual perception, many students are easily reading lower-level books. While the program is specifically designed for 5-year-olds, it is easily adapted to 3- and 4-year-olds.

The *Kindergarten with Ace and Christi* program includes:

- A teacher’s four-volume daily self-instructional manual, covering 36 weeks and utilizing all developmental skills—total of 2,500 pages.
- Coordination Development Tests and Activities to evaluate physical coordination skills.
- Large Animal Sound Display Cards to correlate stories to letter sounds.
- Letter songs (36) CD to reinforce phonetic sounds and encourage motor coordination.
- Number Train Cards to emphasize number recognition.
- Twelve PACEs in each of the five subjects (math, English, Word Building, science, and social studies) to provide practice in all developmental skills necessary for learning to read—total of 1,830 pages.
- A Progress Report for objectively reporting your child’s progress.

ABCs with Ace and Christi (Learning to Read)

ABCs with Ace and Christi is an excellent thirteen-week, learning-to-read phonics program for students who test “**ready to learn to read.**” It is a well-organized program that uses animal stories to reinforce all the alphabet sounds. It also reviews alphabet sequencing and word relationships. Scripture passages support the phonics lessons, and stories illustrate Christian character traits. This program also utilizes various activities to help develop physical skills, small motor skills, and visual discrimination. *ABCs with Ace and Christi* provides students with all the tools needed to begin reading and to move into the individualized instruction of the first level A.C.E. PACE curriculum. While completing the program, students are also introduced to numbers and simple math skills.

The 12–15 week learning-to-read program includes:

- A two-volume instructional manual with detailed easy-to-follow plans for each day—total of 900 pages.
- Large Alphabet Sound Cards for display and review.
- Tactile-Kinetic Cards to impact the shapes of letters in your child’s mind.
- An Audio Song CD for reinforcement of 36 sounds and songs.
- Small Alphabet Sound Cards for individual review by students.
- Twelve PACEs each of Bible Reading, Word Building, and Animal Science, and three Math PACEs, all of which prepare the student for the self-instructional PACE program.
- A Progress Report for objectively reporting your child’s progress.
- A Reading Readiness Pre-Test and a Post Test to evaluate reading ability.
- A special Diploma for the completion of the ABCs with Ace and Christi program.
- After completing the Post Test with a perfect score, the student immediately begins English, Social Studies, Science, and Math PACEs. Completing through PACE 1012 in each of these subjects concludes the average student’s Grade Level 1 experience.

Speaking English with Ace and Christi

The *Speaking English with Ace and Christi* program provides the means for the young school-aged child who does not speak English as his first language to become acquainted with spoken English. It is a series of 60 lessons designed to teach young children **conversational English skills** that will enable them to progress through the *ABCs with Ace and Christi* learning-to-read program.

This program provides lessons for aural and oral language development that include:

- English language for everyday listening and speaking.
- English vocabulary necessary for children to move through the ABCs with Ace and Christi learning-to-read program in English and the Word Building PACEs 1001-1012.

- English communication structures that allow children to express verbally their questions, statements, needs, and ideas in English.
- English language skills necessary for children to progress through PACEs 1001-1012 in math, English, social studies, and science.

English As Your Second Language

This 10-DVD and study guide course is geared for adult thinking at an adult maturity level. Lessons are short and fast-paced, designed so that the non-English-speaking student can complete it in 6-12 months.

English As Your Second Language provides:

- Intense reading and phonemic (sound system) mastery, including phonics and linguistic-type activities.
- Total Physical Response (TPR—concrete understandable English).
- Math-oriented lessons with semi-translation of numerals to teach the names.
- Powerful presentations integrating audio, visual, and kinesthetic ways to learn whereby the student is more than a viewer, but an active participant through the variety of approaches and activities in each lesson.

Recommended resource: *My Own Dictionary*

Videophonics®

Designed particularly for teenagers and adults, this phonics-based program includes letters and letter sound exercises, blending exercises, repeat sound exercises, practice exercises, and applications of reading and writing skills. It incorporates action videos and color art. The complete Videophonics set includes 12 skill-pack workbooks and 12 DVDs.

The student:

- Recognizes each letter sound and is able to blend letters and read words.
- Practices letter formation in the upper and lower cases.
- Learns high frequency words.
- Distinguishes between vowels, consonants, diphthongs, and digraphs.
- Chooses correct words to complete sentences.
- Writes words, sentences, and paragraphs.
- Reads a menu and answers questions.

Math 1 (Grade 1) (PACEs 1001-1012)

The student:

- Reviews and learns numbers in symbol, name, and number words from zero to ten.
- Counts and writes from zero to one hundred.
- Solves simple addition, subtraction, and word problems.
- Learns to tell time.
- Learns the concept of money and counting coins with pennies, nickels, and dimes.
- Reviews length comparison: longer and shorter.
- Learns liquid measurements: cups, pints, and quarts.
- Reviews recognition of basic shapes.
- Reviews order of numbers: before, between, after; and contrasting numbers—same, not the same, more than, and less than.

Math 2 (Grade 2) (PACEs 1013-1024)

The student:

- Continues learning to add and subtract, to carry and borrow 2- and 3-digit numbers, solves word problems, and works addition and subtraction facts vertically and horizontally.
- Completes timed drills and oral drills.
- Learns to relate multiplication to addition.
- Counts and writes by twos, fives, and tens; counts and writes from 1-500; writes numbers in place values of 1s, 10s, and 100s; and writes numbers on a calendar.
- Recognizes and writes number words.
- Learns to identify odd and even numbers.
- Reviews telling time.
- Reviews numbers that are greater than and less than.
- Learns to relate cent signs to pennies, nickels, dimes, and quarters.
- Learns to measure objects in inches and centimeters, and compares equivalents for cups to pint, pints to quart, and quarts to gallon.
- Recognizes and constructs geometric shapes.

Math 3 (Grade 3) (PACEs 1025-1036)

The student:

- Adds 3-digit to 3-digit numbers, subtracts 3-digit from 3-digit numbers, and solves word problems with carrying and borrowing.
- Learns multiplication facts 1-9 with timed drills and oral drills.
- Reviews numbers in place values of 1s, 10s, and 100s; writes numbers to count on a number line; reviews and writes on charts; and learns to use picture tables to determine height.
- Reviews telling time and learns half-hour, quarter-hour, and 5-minute increments.
- Learns Roman numerals.
- Reviews metric measurements of weight, liquid, and length.
- Writes ordinals first through tenth.
- Learns to divide objects or sets into halves.

Math Builder, a computerized mathematic flash card program, is also available for additional reinforcement and drill.

Math 4 (Grade 4) (PACEs 1037-1048)

The student:

- Learns additional multiplication facts; 10 and 11 times tables, and simple division skills; identifies and uses relationships between operations, such as division as the inverse of multiplication, to solve problems.
- Matches word sentences with number sentences and reviews number words and symbols.
- Rounds numbers on a number line to the nearest 5 and 10.
- Reviews and learns Roman numerals 1-50 and word problems converting to numerals.

- Learns to borrow and subtract 3-digits minus 3-digits, checks by addition, and borrows and subtracts from 10s, 100s, and 1000s.
- Learns to use the terms addend, sum, minuend, subtrahend, difference, multiplier, multiplicand, and product to match correct numbers in problems.
- Learns fractions through shaded parts of a circle, learns equivalency in fractions, and adds and subtracts like fractions.
- Learns to add and carry to 10s, 100s, and 1000s—4-digits and 4-digits.
- Reviews and demonstrates understanding of basic money concepts and skills.
- Reviews converting inches to feet, feet to yards, and inches to yards; reading a scale in pounds; and converting cups to pints, pints to quarts, and quarts to gallons.

Math 5 (Grade 5) (PACEs 1049-1060)

The student:

- Defines and identifies new math terms: quotient, dividend, numerator, and denominator.
- Uses addition, subtraction, division, and multiplication with fractions; identifies proper and improper fractions; and reduces fractions to lowest terms.
- Factors numbers from least to greatest, and finds the Greatest Common Factor (GCF) and the Least Common Denominator (LCD) of fractions.
- Recognizes the place value of each digit in numbers up to thousands.
- Learns to represent and compare whole numbers and decimals.
- Learns the commutative properties of addition and multiplication and estimation.
- Compares numbers, sentences, words, decimals, and fractions using $>$ and $<$ symbols.
- Defines and identifies prime numbers.
- References charts, pictographs, and line graphs.
- Writes Roman numerals 1-399.
- Learns basic geometry—points, lines, rays, and angles; identifies geometric shapes; identifies similar and congruent figures; and finds the volume, perimeter, and area of figures.
- Learns about probabilities and ratios.
- Processes simple unit conversions such as centimeters to meters within a system of measurement.

Math 6 (Grade 6) (PACEs 1061-1072)

The student:

- Learns the properties of addition and multiplication—commutative, associative, identity, and zero.
- Works with exponents and is introduced to expanded notation using exponents.
- Rounds and estimates large numbers and works mental estimation problems.
- Learns factoring rules (divisibility rules); identifies prime numbers and composite numbers.
- Reviews fractions and fraction terms; adds, subtracts, multiplies, and divides fractions; changes fractions to decimals using long division; and converts fractions to percents.
- Reviews decimals; adds, subtracts, multiplies, and divides decimals; defines repeating and terminating decimals; and changes decimals to percents.
- Relates percents and decimals to fractions, learns common percents, changes percents to decimals, and finds percent of a number.
- Is introduced to integers.
- Learns order of operation.
- Learns the terms equations and inequalities when comparing number sentences ($<$, $>$, $=$).
- Defines a variable and solves equations (one variable) using inverse operations.
- Works with ratios and proportions, and uses proportions to solve problems.
- Finds the probability of an event, and expresses probability as a ratio.
- Uses critical thinking skills to solve word problems.
- Defines and interprets circle, line, bar, and double-line graphs.
- Builds geometric knowledge; measures angles; finds the perimeter, area, and volume; and defines the parts of a circle.
- Rounds money to find estimated costs and solves money problems.
- Compares English and metric measurements, and carries out conversions.

Math 7 (Grade 7) (PACEs 1073-1084)

The student:

- Reads, writes, and works with whole and mixed numbers, integers, and common fractions.
- Learns the proper mathematical terminology—dividend, multiplicand, product, simplify, minuend, quotient, numerator, and denominator; how to change fractions and decimals to percent; how to find the number when a percent is known; and data and graphs, mean, mode, median, range, rank, and read .
- Is introduced to business and consumer arithmetic—profit and loss, commission, discounts, bills and receipts, and invoices with discounts; ratio, proportions and percent.
- Studies business methods needed to function at home—keeping cash and household accounts, budgets, insurance, and the reading of gas and electric meters.
- Learns about banking—savings and checking accounts, deposits, interest, and loans.
- Reviews English and metric units of length, volume, weight, and temperature.
- Reviews basic geometry concepts and symbols, uses a protractor and compass to find perimeter and area of shapes and solids.
- Is introduced to equations—variable, sets, and set notation; vocabulary, symbols and word problems.

Optional resource: Math 1075 (video)

Math 8 (Grade 8) (PACEs 1085-1096)

The student:

- Uses formulas.
- Solves equations—one, two, and opposite operations with fractions and written problems.
- Reviews fractions—addition, subtraction, multiplication, and division; proper, improper, and mixed numbers; simplifying and comparing; and decimals to the millionths place.
- Finds volume and surface areas of solid figures—prisms, cylinders, pyramids, cones, and spheres.
- Reviews basic geometry and geometric terms.
- Prepares and uses tables and graphs.
- Learns about rates, time, and distance.
- Uses the Pythagorean theorem—using right triangles to find height and distance, and finding the hypotenuse of a right triangle.
- Learns about square roots.
- Uses positive and negative numbers—adds, subtracts, changes, and plots on a line graph.
- Reviews English and metric units of length, volume, weight, and temperature—compares and converts.
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Algebra I (Grade 9) (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, percents, interest, ratios, and proportions, and translating word problems to algebraic equations.
- The Pythagorean theorem .

Twelve DVDs reinforce this course.

Geometry (Grade 10) (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 reinforce this course.

Algebra II (Grade 11) (PACEs 1121-1132)

Prerequisite: Algebra I

This advanced study in algebra includes parabolas, hyperbolas, permutations, logarithms, and matrices; operations with radicals and fractions; and solving equations. The approach is practical, helping the student use his reasoning abilities.

The student learns to operate with:

- Real number axioms and applications.
- Radicals and complex numbers.
- Fractions and operations, equations and decimals.
- Equations—linear and graphs, quadratic solutions, relations and polynomial functions.
- Arithmetic and geometric sequences and series, and sentences with one variable.
- Multiplication of polynomials, factoring monomials, squares, groups, and open sentences.
- Computations, exponential functions, logarithms, and antilogarithms; and permutations, combinations, binomial expansions, and probability.
- Matrices and their properties, determinants of equations, and systems of equations.

Twelve DVDs reinforce this course.

Trigonometry (Grade 12) (PACEs 1133–1138) 1/2 Credit

Prerequisite: Algebra I, Geometry, and Algebra II

Trigonometry is a six-PACE, interactive learning experience for the student. Through the use of a graphing calculator, the student is able to solve realistic problems about our universe.

The student learns to:

- Find unknown measurements involving triangles.
- Determine the values of the trigonometric functions for any angle.
- Establish and use trigonometric identities.
- Graph trigonometric functions with and without a graphing calculator.
- Use the inverse trigonometry functions to find angle measures.
- Solve equations involving the trigonometric functions.
- Graph functions in the polar plane.
- Perform operations with complex numbers.
- Recognize how trigonometry models our world.

This course reflects the use of a TI-83 Plus or TI-84 Plus graphing calculator.

English 1 (Grade 1) (PACEs 1001-1012)

The student:

- Reviews consonant and vowel sounds.
- Is introduced to reading and writing of word families and sentences.
- Studies blends, diphthongs, ending sounds, and suffixes.
- Develops reading comprehension skills.
- Copies sentences using proper capitalization and punctuation.

English 2 (Grade 2) (PACEs 1013-1024)

The student:

- Reviews phonics—identifies vowels, consonants, blends, diphthongs, and suffixes.
- Learns punctuation—telling and asking sentences, capitalization, quotation marks, and apostrophes.
- Learns suffixes—s, -ed, -ing, and -er.
- Is introduced to compound words.
- Studies confusing words—no/any, can/may, is/are, does/do, to/too/two.
- Discovers parts of speech—nouns, prepositions, verbs, and adverb concepts.
- Is introduced to word order and concepts—sequences, same/opposite, homonyms, rhyming words, and poetry.
- Writes friendly letters.
- Practices writing sentences.
- Reads paragraphs for comprehension.
- Is encouraged in character development through examples given in each PACE.

English 3 (Grade 3) (PACEs 1025-1036)

The student:

- Alphabetizes words.
- Learns about sentence types—declarative, interrogative, and exclamatory sentences.
- Learns about basic punctuation marks (. ? ! , ' “ ”).
- Practices cursive writing—lower case and capital letters.
- Learns parts of speech—nouns (common, proper, singular, and plural), pronouns, adjectives, verbs (action and state-of-being), and prepositions.
- Uses compound words.
- Understands word concepts—antonyms, synonyms, homonyms, confusing words, and confusing word pairs (a/an, learn/teach, sit/set, let/leave, their/there, its/it's, and can/may).
- Writes letters and addresses envelopes.
- Is encouraged in character development through examples given in each PACE.
- Learns about rhyming words and poems.

English 4 (Grade 4) (PACEs 1037-1048)

The student:

- Continues cursive writing.
- Practices alphabetizing and increases his comprehension of vowels and consonants.
- Reviews and expands knowledge of the parts of speech—nouns (common, proper, singular, plural, and subject nouns), verbs (action, state-of-being, and helping), pronouns, adjectives, adverbs, prepositions, conjunctions, and interjections.
- Develops paragraph writing skills and reviews the types of sentences—declarative, interrogative, imperative, and exclamatory.
- Identifies and practices using ending punctuation.
- Learns the use of a colon and an apostrophe in contractions and possessives.
- Begins to use the dictionary.
- Learns proper letter writing form.

- Reviews and expands word concepts (antonyms, synonyms, homonyms), confusing words, word pairs, and contractions.
- Is encouraged in character development through examples given in each PACE.

English 5 (Grade 5) (PACEs 1049-1060)

The student:

- Expands his knowledge of nouns and verbs and learns the agreement of subjects and verbs.
- Learns to diagram the subject, action verb, state-of-being verb, predicate noun, adjectives, adverbs, and direct object of a sentence.
- Identifies and correctly uses verbs that are often misused, modifiers, and pronouns.
- Changes a given list of verbs from singular to plural.
- Reviews pronouns and identifies the kinds (personal, interrogative, demonstrative, and indefinite) and cases (subjective, objective, and possessive).
- Recognizes simple and complete subjects and predicates.
- Is introduced to predicate adjectives and comparative degrees of adverbs.
- Recognizes complete sentences and fragments, learns four sentence patterns, and develops paragraphs.
- Learns and practices punctuation rules including quotation marks, underlining titles, etc.
- Increases word concepts (antonyms, synonyms, homonyms) and learns about heteronyms.
- Writes business and friendly letters.
- Demonstrates a mastery of proper capitalization.
- Is encouraged in character development through examples given in each PACE.

English 6 (Grade 6) (PACEs 1061-1072)

The student:

- Increases word concepts—antonyms, synonyms, homonyms, and heteronyms.
- Reviews nouns—common, proper, compound, singular, plural, possessive; and learns about collective nouns and nouns in apposition.
- Expands verb knowledge (action, linking, state-of-being, regular and irregular) to include verb tenses (present, past, future), and conjugation of all six tenses; verb agreement; and the review of troublesome verbs (learn/teach, sit/set, lay/lie, rise/raise).
- Identifies pronouns—personal (subjective and possessive), interrogative, demonstrative, relative, reflexive, and indefinite.
- Builds upon parts of speech—comparisons using adjectives and adverbs, prepositions and phrases, coordinating conjunctions, interjections, and diagramming.
- Strengthens sentence writing by using sentence patterns, interesting words, and exact nouns; recognizes subject and verb agreement; and types of clauses.
- Practices writing paragraphs and begins outlining and research.
- Uses simple, compound, and compound-complex sentences with effective coordination and subordination of ideas to express complete thoughts.
- Learns to identify types of sentence patterns and clauses.
- Is encouraged in character development through examples given in each PACE.

English 7 (Grade 7) (PACEs 1073-1084)

The student:

- Identifies, reviews, and diagrams simple, compound, and complex sentence patterns.
- Reviews eight parts of speech and studies prepositions, conjunctions, and interjections.
- Is introduced to infinitives and gerunds.
- Reviews principal parts of regular and irregular verbs—perfect tenses; conjugation of all six tenses; progressive verb forms; transitive and intransitive verbs; and subject-verb agreement.
- Increases noun study—exact, compound, collective, plural, and possessive.
- Develops use of personal pronouns—nominative, objective, and possessive case; demonstrative, interrogative, relative, reflexive, and indefinite pronouns.
- Applies adjectives as indefinite pronouns, nouns, participles, and predicate adjectives.
- Develops writing and communication skills through use of sentence variety, outlining, paragraph writing,

composition writing, and proofreading.

- Works with paragraph structure—indenting, main idea, topic sentence, summary, dependent and independent clauses, and phrases.
- Is encouraged in character development through examples given in each PACE.

English 8 (Grade 8) (PACEs 1085-1096)

The student:

- Reviews verbs and verb tenses, progressive form, and the emphatic mood.
- Concentrates on diagramming pronouns, adjectives, adverbs, prepositional phrases, compound subjects and verbs, and all four sentence patterns.
- Expands noun functions in sentences—compound, collective, plural, possessive, and subject/verb agreement.
- Develops five kinds of pronouns (demonstrative, relative, interrogative, reflexive, and indefinite), the three cases of personal pronouns (nominative, objective, and possessive), subject pronoun/verb agreement (number, person, and gender), and diagrams pronouns.
- Reviews parts of speech.
- Continues to develop writing skills which include topic sentences, outlining, and paragraph development.
- Edits written paragraphs to ensure that correct grammar is used.
- Recognizes sentence fragments and run-on sentences.
- Writes several short biographical sketches.
- Is encouraged in character development through examples given in each PACE.

English I (Grade 9) (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.

English II (Grade 10) (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 use note and source cards while using the 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.

English III (Grade 11) (PACEs 1121-1132)

The student:

- Identifies sentence fragments, run-ons, and complete sentences. Studies different periods of American literature.
- Recognizes and reviews grammar.
- Continues to build knowledge of capitalization and punctuation rules.
- Increases writing skills—descriptive, narrative, expository, and persuasive elements of a paragraph; plans and writes an essay.
- Develops setting, character, and plot for a short story.
- Researches, plans, and writes a term paper in a step-by-step process.
- Verifies and clarifies facts presented in other types of expository texts by using a variety of consumer, workplace, and public documents.
- Reads *In His Steps* by Charles M. Sheldon and answers questions.
- Studies excerpts from *The Oregon Trail*.
- Analyzes characteristics of satire, parody, allegory; pastoral themes used in poetry, prose, plays, novels, short stories, essays; and other basic genres .
- Is encouraged in character development through examples given in each PACE.

English IV (Grade 12) (PACEs 1133-1144)

The student:

- Is introduced to the different periods of British literature.
- Builds a vocabulary notebook.
- Improves writing skills in exposition, description, narration, and persuasion.
- Learns about parallelism.
- Writes character trait stories and answers essay questions accurately.
- Reviews and practices grammar—capitalization and punctuation.
- Uses the dictionary as a reference tool.
- Learns about denotation and connotation.
- Paraphrases and writes summaries while reading *The Rime of the Ancient Mariner* by Samuel Taylor Coleridge and *Silas Marner* by George Eliot (special edition).
- Analyzes Shakespeare’s life and *Macbeth*.
- Continues the study of speech—topic selection, preparation, speaking methods, and speech delivery.
- Is encouraged in character development through examples given in each PACE.

Literature and Creative Writing/Basic Literature

Literature and Creative Writing 2 (Grade 2) (PACEs 1013-1024)

The student:

- Finishes stories and answers questions following one-page stories; chooses story endings.
- Recognizes and writes descriptive sentences.
- Sharpens reading and comprehension skills.
- Writes a personal narrative.
- Practices handwriting and speed reading.
- Relates to character-building objectives in each PACE.

Literature and Creative Writing 3 (Grade 3) (PACEs 1025-1036)

The student:

- Puts sentences, instructions, and stories in order; learns sequencing and placement.
- Uses action and descriptive words and learns about limericks.
- Expands imagination.
- Discovers heroes and enemies in a story.
- Creates stories from pictures.
- Writes story titles and reports.
- Learns about characters, plot, and setting; employs comparison; shows comprehension and order in a story.
- Continues to practice speed-reading and handwriting skills.
- Locates places on maps.
- Uses Scripture to learn how to respond to difficult situations that might arise.
- Considers character-building examples placed throughout each PACE in the course.

Required resources: *Summer Fun with Ace and Christi* by Grace Whitehart and *Christians Courageous* by Anne E. Schraff

Literature and Creative Writing 4 (Grade 4) (PACEs 1037-1048)

The student:

- Uses imagination, deductive reasoning, and comparison and contrast.
- Learns to draw conclusions and find the main idea of a paragraph.
- Makes predictions about the end of a story and discerns between “alike” and “different”.
- Increases dictionary skills, learns about biographies, autobiographies, and libraries.
- Finds valuable lessons in character-building stories.
- Writes a letter to a missionary, an invitation, an anecdote, a sketch, and a story ending.

Required resources: *Ace and Christi Series—The Red Rag Riddle* by Grace Whitehart, *Charlotte’s Web* by E. B. White, *Children’s Missionary Library* by Vernon Howard and Alice Bostrom, *Choice Stories for Children* selected by Ernest Lloyd, *The Little Green Frog* by Beth Coombe Harris, and *Saved at Sea* by O. F. Walton

Literature and Creative Writing 5 (Grade 5) (PACEs 1049-1060)

The student:

- Adds to his knowledge of short story elements—setting, characters, plot, and order.
- Learns about the four types of conflict in stories.
- Discovers personification, alliteration, anagrams, analogies, antonyms, homonyms, homophones, similes, and metaphors.
- Considers time order and narrative, cause and effect, point of view, comparison and contrast, and the difference between fact and opinion.
- Distinguishes between topic sentences and supporting sentences and persuasive and descriptive writing.
- Gains knowledge of the Far North and Africa, biomes, Morse code, the metric and English systems of measurement, and art terms and concepts.
- Recognizes editing and proofreading marks.

- Writes a book report and review and defines and writes anagrams and anecdotes.

Required resources: *Choice Stories for Children* selected by Ernest Lloyd, *North to Amaroqvik* by Cheryl M. Ufkin, *Heidi* by Johanna Spyri, *Ace and Christi Series—Miracle at Camp Friendship* by Sarah Hopewell, *A Dog of Flanders* by Marie Louise De La Ramée, and *Star of Light* by Patricia M. St. John

Literature and Creative Writing 6 (Grade 6) (PACEs 1061-1072)

The student:

- Locates words in a dictionary, identifies word families, and defines new vocabulary words.
- Reads and answers thought questions.
- Uses visual discrimination.
- Writes expository and descriptive paragraphs, essays, simple and detailed explanations, directions, personal diary entries; cause and effect; fact and opinion; and exposition, description, persuasion, and narration.
- Identifies figures of speech, sensory detail, and climax and resolution of story.
- Solves word and logic puzzles.
- Converts information into bar graphs.

Required resources: *The Fugitive King* by Elizabeth Handford, *Christians with Courage* by Ruth Johnson Jay, *Alexi's Secret Mission* by Anita Deyneka, *Ace and Christi Series—Grandpa's Christmas Gift* by Sarah Hopewell, *Little Pilgrim's Progress* by Helen L. Taylor, and *Treasures of the Snow* by Patricia M. St. John

Basic Literature 7 (Grade 7)

The student reads:

- *George Mueller* by Faith Coxe Bailey. George Mueller provided for thousands of **orphaned children**. He never asked anyone except God for their needs, but all needs were miraculously met.
- *D.L. Moody: Greatest Evangelist of the 19th Century* by Faith Coxe Bailey, the life story of the great American Evangelist **used by God** to found Moody Bible Institute.
- *Through Gates of Splendor* by Elisabeth Elliott, the story of **five missionary men** who were killed by the Auca Indians they wanted to win to Christ, and the subsequent developments in the lives of the families involved.
- *By Searching* by Isobel Kuhn. Isobel Miller abandoned God for worldly pursuits. When her world shattered, she sought and received peace from God and served with her husband as a **missionary to China**.
- *Swiss Family Robinson* by Johann Wyss, the story of the Robinson family marooned on a desert island. As they explored their surroundings, they learned not only to survive but also to enjoy their new home.

Basic Literature 8 (Grade 8)

The student reads:

- *God's Adventurer* by Phyllis Thompson, a story about the life and adventures of missionary Hudson Taylor.
- *Little One, Maid of Israel* by Bill Harvey. This is an exciting story about the young maid whose life affected the Syrian captain Naaman.
- *When Science Fails* by John Hudson Tiner. Documented cases of major scientific discoveries in the modern era present a powerful testimony to the validity of the Scriptures.
- *Abraham Lincoln* by David R. Collins, the story of our 16th president, his rise to the White House, and his dependence on Jesus.
- *Ann of Ava* by Ethel Daniels Hubbard, the life story of Ann Judson, wife of Adoniram Judson, missionary to Burma.
- *In His Steps* by Charles M. Sheldon.

This selection is one of the great books for Christians today and will be a tremendous help to each student.

Word Building

Word Building 1 (Grade 1) (PACEs 1001-1012)

The student:

- Recognizes long and short vowels and letter sounds.
- Studies auditory and visual discrimination—consonant letters and the sounds of C and G.
- Reads words and sentences.
- Learns important concepts—matching like and different shapes, color usage, rhyming pictures, directional words, and story sequence.
- Practices letter formation—writing words and sentences and alphabet sequence.
- Learns to follow instructions—using color and spatial terms.
- Is encouraged in character development through examples given in each PACE.

Word Building 2 (Grade 2) (PACEs 1013-1024)

The student:

- Practices printing letters, words, and sentences.
- Reads and gains a greater understanding of vowels and consonants.
- Learns phonic rules—double and triple vowel sounds, blends, endings, digraphs, and diphthongs.
- Is encouraged in character development through examples given in each PACE.
- Expands vocabulary with new spelling words in each PACE.

Word Builder, a vocabulary software for Levels 2–8, is also available for additional reinforcement and drill.

Word Building 3 (Grade 3) (PACEs 1025-1036)

The student:

- Reviews long and short vowel sounds, blends, digraphs, and diphthongs.
- Expands vocabulary with prefixes and word endings.
- Learns new phonetic rules—schwa *a* and silent letters.
- Increases visual discrimination.
- Develops word concepts that are presented in English—antonyms, synonyms, homonyms, and confusing words (there/their).
- Is encouraged in character development through examples given in each PACE.

Word Building 4 (Grade 4) (PACEs 1037-1048)

The student:

- Develops vocabulary by reviewing consonants and vowels, beginning and ending sounds, doubled consonants, suffixes, and prefixes.
- Is introduced to syllables, contractions, and more compound words.
- Learns to form plurals with *es* and changes *y* to *i* and *f* to *v*.
- Is encouraged in character development through examples given in each PACE.

Word Building 5 (Grade 5) (PACEs 1049-1060)

The student:

- Identifies parts of speech—nouns, verbs, and present and past tenses.
- Recognizes syllable divisions and accents.
- Evaluates root words, prefixes, and suffixes.
- Forms plurals by changing the endings.
- Is encouraged in character development through examples given in each PACE.

Word Building 6 (Grade 6) (PACEs 1061-1072)

The student:

- Reviews phonics rules—vowels, consonants, blends, diphthongs, and digraphs.
- Builds on the parts of speech foundation—present, past, and progressive tenses; and forming plurals.

- Classifies words that are homonyms, words with more than one definition and easily confused, and negative words.
- Identifies division rules and accenting syllables.
- Begins to study word histories through the use of a dictionary.
- Is encouraged in character development through examples given in each PACE.

Word Building 7 (Grade 7) (PACEs 1073-1084)

The student:

- Reviews word studies—synonyms, homonyms, antonyms, heteronyms, commonly misspelled words, Greek word parts, and words of Spanish and French origin.
- Expands grammar usage—regular and irregular verb forms, forming adjectives from nouns and adverbs, interjections, complete subject, and complete predicate.
- Integrates thinking and writing with correct punctuation.
- Reviews, memorizes, and learns abbreviations—days of the week, months, states, and capitals.
- Continues to study phonics rules—different sounds of *s* and *c*, ending sounds, prefixes and suffixes, diphthongs, and accent and syllable division.
- Writes about the character traits taught in each PACE.

Word Building 8 (Grade 8) (PACEs 1085-1096)

The student:

- Expands his knowledge and use of phonics rules—vowel sounds and spelling; and special sound consonants *s*, *c*, *j*, *g*, and *k*.
- Learns the semaphore alphabet code.
- Increases his understanding of grammar—verb forms, tenses, nouns, and plurals.
- Writes about the character traits taught through concept examples in each PACE.

Etymology – Word Building 9 (Grade 9) (PACEs 1097-1108)

The student:

- Identifies root words and writes their meanings.
- Reviews the word study of homonyms, synonyms, and antonyms.
- Expands on the functions of suffixes.
- Reviews phonics rules—special sounds, silent letters, digraphs, and diphthongs.
- Develops grammar comprehension—parts of speech and their functions.
- Builds on the character trait examples.

Social Studies

Social Studies 1 (Grade 1) (PACEs 1001-1012)

The student:

- Learns about Ace and Christi.
- Builds reading skills.
- Discerns objects with wheels, on the water, and in the sky.
- Begins globe and map study and reads about Pilgrims and Canada.
- Develops respect for the law, obedience to rules and laws, and good study habits.
- Learns to care for things, that hard work is a virtue, how to share with others, and ownership.
- Learns about different people and their work and homes and clothing of different climates.
- Reviews stories about Adam, Eve, Cain, Abel, and Noah; the church and school; God and Jesus; how to give to God; missionaries; and how to pray for leaders.
- Is encouraged in character development through examples given in each PACE.

Social Studies 2 (Grade 2) (PACEs 1013-1024)

The student:

- Meets new A .C .E. characters; Ace’s friends, his church and school; surveys the mission field of Spain, and observes an A .C .E. rally.
- Learns about travel—maps, signs, the compass, camping, and directions.
- Expands his understanding of our country—freedom, the Capital, our Prime Minister, citizenship, flags and pledges, famous buildings, and rules and laws.
- Learns about communities, farms and ranches, fruits and orchards.
- Builds reading comprehension and learns new vocabulary in every PACE.
- Uses visual discrimination to draw similar shapes.
- Is encouraged in character development through examples given in each PACE.

Social Studies 3 (Grade 3) (PACEs 1025-1036)

The student:

- Is introduced to different forms of communication—telephone, telegram, languages, sign language, Braille, microphones, audio recording, the printing press, and prayer.
- Learns about conservation of water and land use and the natural resources water and gas.
- Discovers geography—continents on the map and globe, Spain, and Israel.
- Distinguishes between different types of communities, businesses, and agriculture—farms and products.
- Expands knowledge of Canadian history—Louis Hebert, First People in the Americas, First Europeans in Canada, and our government.
- Studies Joseph, Moses, Cain, and Abel, and God’s Laws (Ten Commandments); to accept whatever happens as God’s best; and to do good and do right.
- Continues to learn new vocabulary words in each PACE.
- Is encouraged in character development through examples given in each PACE.

Social Studies 4 (Grade 4) (PACEs 1037-1048)

The student:

- Expands geography knowledge—how the Earth moves, kinds of land and water on the Earth; India, England, Africa, China, Burma, and South America.
- Learns more about maps, globes, directions, distances, latitude and longitude, and modes of transportation.
- Continues to learn about early Canada—colonial life, a new nation is born, and the Pilgrims.
- Discovers Christian leaders and missionaries in American history:

John Wycliffe	David Brainerd	William Carey
George Mueller	David Livingstone	Hudson Taylor
Adoniram Judson	Jim Elliot	
- Studies heroes from the Bible—Abraham, Isaac, Isaiah, Joseph, John the Baptist, the prodigal son, and Daniel.

- Appreciates religious freedoms in America—our churches, Christian education, and our government.
- Builds reading comprehension by reading and writing answers to questions.
- Continues to learn new vocabulary words in each PACE.
- Is encouraged in character development through examples given in each PACE.

Social Studies 5 (Grade 5) (PACEs 1049-1060)

The student:

- Learns about systems of government, great leaders, wars, and current events affecting our world.
- Learns Biblical truths—work is of God, possessions and true prosperity are from God, stewardship, entrusting one’s life to Jesus, faithfulness and loyalty, and obedience.
- Discovers Christian leaders and missionaries in Canadian history.
- Studies early Canadian history.
- Uses a time line.
- Reviews heroes from the Bible—Daniel and Nebuchadnezzar, Abraham and Sarah, the virtuous woman, and Solomon and his Proverbs.
- Learns provinces and their capitals.
- Is encouraged in character development through examples given in each PACE.

Social Studies 6 (Grade 6) (PACEs 1061-1072)

The student:

- Gains an insight into the New World after the Flood—the Tower of Babel, the times of the Patriarchs, civilization from c. 2000 to 500 B .C., the Assyrian and New Babylonian Empires, the Silent Years (the rebuilding of Jerusalem), great Christian leaders from A .D . 100 to A .D. 430, and from A .D. 1300 to A .D. 1500, and the Great Awakening in North America.
- Identifies heroes from the Bible—Noah, Abraham, Isaac, Jacob, Joseph, Moses and the Exodus, Samuel; and the birth, life and death of Christ.
- Develops character traits through examples in each PACE.
- Studies Christian leaders and missionaries in North American history.

Ignatius	Polycarp	Justin Martyr
Irenaeus	John Wycliffe	John Huss
Martin Luther	John Calvin	John Knox
Jonathan Edwards	John and Charles Wesley	George Whitefield
William Tennant	Gilbert Tennant	Circuit preachers

Social Studies 7 (Grade 7) (PACEs 1073-1084)

The student:

- Is introduced to different professions and vocations.

Art and Media	Education	Protective Service
Business, Management, and Finance	Government and Law	Construction and Mechanics
Engineering	Homemaking	Transportation
Christian Service	Healthcare	Science
Computer Science	Hospitality, Service, and Food Preparation	
Agriculture	Office and Administrative Support	

- Is encouraged to think about a career based on God’s will for his life, considers if he is glorifying God with his talents, and ponders how to prepare for the future.

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

The second half of this grade level uses Donna Ward’s *Geography Province to Province*. A study guide and tests have been developed to accompany this text book.

Social Studies 8 (Grade 8) (PACEs 1085-1096)

The student:

- Utilizes time lines and maps.
- “Discoveries” of Canada—Old World, New World, a French connection, war, peace, expeditions, and treaties.
- Learns about all the Prime Ministers up to 1989.
- Is encouraged in character development through examples given in each PACE.

World History (Grade 9) (Self-Pacs 97-108)

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.

World Geography (Grade 10) (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.

Canadian Civics (Grade 12) (PACEs 1133-1138) 1/2 Credit

The student:

- Studies the historical foundations of Canadian Civics.
- Reviews the Biblical, Greek, Roman, and Anglo-Saxon governments; types of church governments; origins, structures, functions, and limitations of federal and local governments.
- Studies the role of British monarchy in Canadian government.
- Summarizes the historical, social, and economic conditions that led to the Declaration of Independence; the Articles of Confederation; Constitution ratification; and the colonial and modern meaning of “separation of church and state.”
- Learns the structures and functions of the national government.

Economics (Grade 12) (PACEs 1139-1144) 1/2 Credit

The student:

- Learns about price theory, laws of supply and demand, production, cycles of free enterprise, international and free trade, banking and investments, stewardship, government, and the economy .
- Identifies definitions, terms, and theories of economics.
- Learns about the organization and functions of the Federal Reserve and the Social Security Systems.
- Interprets information from and uses profit and loss tables and graphs.
- Learns how to establish and follow a budget.
- Discovers the disadvantages of debt, the value of saving, and being involved in a long-range financial plan.

Science

Science 1 (Grade 1) (PACEs 1001-1012)

The student:

- Pronounces and learns new vocabulary words as they are defined and used in the text.
- Discovers God’s wisdom as he learns about God creating Earth and Earth’s movements, the four seasons.
- Learns about the design and care of the human eye and ear; high, low, soft, and loud sounds.
- Learns about the importance of personal health—clean teeth and hands.
- Gains a respect for God as he learns about God’s wisdom, goodness, kindness, and that all things belong to God.
- Reads stories and answers questions about God’s creation.
- Continues to build eye-hand coordination by drawing shapes, irregular shapes, and directional lines.

Science 2 (Grade 2) (PACEs 1013-1024)

The student:

- Expands his knowledge of the days of Creation, the first man and woman.
- Learns about animals, changes in seasons and weather, heavenly bodies, plains, flat lands, valleys, hills, and mountains.
- Enlarges his vocabulary with the introduction of new words.
- Builds reading comprehension.
- Continues to build eye-hand coordination by drawing shapes, irregular shapes, and directional lines.
- Learns how God made every person unique through the introduction of fingerprints, etc.
- Learns about the five senses.
- Is encouraged in character development through examples given in each PACE.

Animal Science (Grade 2) (PACEs 1013-1024)

Second grade students may enjoy Animal Science. These PACEs include characteristics, habitats, and natures of specific animals. Animal activities are presented in interesting story form and, where appropriate, Scripture references to these animals are highlighted. Students learn about sheep, dogs, horses, cats, cattle, unusual birds, and many more animals.

Science 3 (Grade 3) (PACEs 1025-1036)

The student:

- Observes the faithfulness of God while learning about the solar system.
- Learns about the concept and measurement of time.
- Learns about animal and plant life cycles.
- Recalls and continues the study of God’s Creation.
- Studies Bible topics such as Jesus’ return; sin, death, and the curse; man’s freedom to choose to love and obey God.
- Read stories using new vocabulary and visual discrimination.
- Looks at geological changes after the Flood—jungles and hot lands, tundra and cold lands, volcanoes and earthquakes.
- Is encouraged in character development through examples given in each PACE.

Science 4 (Grade 4) (PACEs 1037-1048)

The student:

- Learns about the water cycle—condensation, evaporation, precipitation, cloud shapes, and the characteristics of air and water.
- Studies living and nonliving matter, gravity, minerals and their uses, plants’ needs, and plant conservatories.
- Identifies simple machines.
- Learns about respiration and blood circulation, the diaphragm and heart, digestion and saliva.
- Focuses on good hygiene and teeth; bacteria, viruses, and fungi; and the design and function of the skin.
- Is introduced to early men of science.

- Studies rockets and airplane flight.
- Understands the need for exercise, sleep, and proper nutrition for the human body.
- Is encouraged in character development through examples given in each PACE.
- Continues to add new vocabulary words.

Science 5 (Grade 5) (PACEs 1049-1060)

The student:

- Explores living and nonliving matter and active, dormant, and extinct volcanoes.
- Learns about energy—work, force, kinetic, potential, and radiant energy.
- Studies oceanography, astronomy, comets, and the aurora boreali.
- Studies the outer, inner, and middle ear; hearing difficulties; and vibration, pitch, and frequency of sounds.
- Studies molecular and atomic theories; friction, heat, and gravity; and expansion and contraction.
- Views dinosaurs and fossils from a Biblical perspective.
- Learns the relationship between the Bible and botany, meteorology, and zoology.
- Discovers the Bible to be the final authority in scientific matters.
- Learns new vocabulary words in each PACE.
- Is encouraged in character development through examples given in each PACE.

Science 6 (Grade 6) (PACEs 1061-1072)

The student:

- Expands his vocabulary base with the addition of new vocabulary words.
- Explores the theories, properties, and laws of magnetism, and the uses of magnets; acids, bases, elements, solvents, solutes, and solutions in chemistry; higher and lower plants, and the process of photosynthesis.
- Looks at the history, nature, and uses of electricity; chemical, mechanical, and nuclear sources of electricity and measuring electricity.
- Learns about the central nervous system, the senses, the structure and function of the skeletal and muscular systems, infectious and noninfectious diseases, treatment of and defense against diseases, and digestion and nutrition.
- Builds knowledge of previously introduced character traits.

Science 7 (Grade 7) (PACEs 1073-1084)

The student:

- Continues exploring the skeletal and muscular systems, different types of viruses, bacteria, algae, and fungi.
- Studies characteristics of birds and mammals and botany—the needs, conducting, and reproductive systems of plants.
- Learns about simple and complex invertebrate animals, the structure and characteristics of vertebrates, embryos, inherited traits, gene functions, and alterations.
- Studies ecology—balance and cycles of nature, biomes, effects of water and air pollution, and how pollution can be controlled.
- Increases vocabulary with the introduction of new words in each PACE.
- Is encouraged in character development through examples given in each PACE and expands his ability to use each of these Godly traits in real-life situations.

Science 8 (Grade 8) (PACEs 1085-1096)

The student:

- Explores the wonders, resources, and cycles of God’s Creation.
- Searches proofs of Creation and the Flood.
- Studies astronomy—the stars, familiar and unusual, their purpose and message, and planets of the solar system.
- Learns about the structure and measurable qualities of Earth’s atmosphere, climates, weather factors and forecasting, and the hydrosphere.
- Looks at the foundations of the world—Earth’s layers, topography and mapping of the world, soil formation and conservation, and weathering and erosion.

- Discovers Earth’s buried treasures—understanding, classifying, using, and appreciating our mineral resources.
- Is encouraged in character development through examples given in each PACE.

Biology (Grade 9) (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.

Optional DVDs also provide interactive, multimedia instruction and “virtual hands-on” lab experiments. †

Physical Science (Grade 10) (PACEs 1109-1120)

Prerequisite: Algebra I

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.
- Applies Scriptural principles to everyday situations.

Optional DVDs also provide interactive, multimedia instruction and “virtual hands-on” lab experiments. †

Chemistry (Grade 11) (PACEs 1121-1132)

Prerequisites: Biology, Physical Science, and Algebra I

The student:

- Examines the history and development of chemistry, careers and fields of study, nuclear chemistry and biochemistry, chemical reactions and balancing equations, acids and bases, the four phases of matter, molecular bonding, and the Periodic Table of Elements.
- Learns about thermodynamics and quantitative and qualitative analysis.
- Uses “Teen Life Principles” to apply wisdom to everyday situations.

Optional DVDs also provide interactive, multimedia instruction and “virtual hands-on” lab experiments. †

Physics (Grade 12) (PACEs 1133-1144)

Prerequisites: Algebra I and Physical Science

The student:

- Studies radiation and nuclear energy, heat energy and temperature, conduction, and convection.
- Studies electrochemistry, wave motion and sounds, the Doppler effect, and optics and optical instruments.
- Investigates states of matter—force, motion, gravity, momentum, and energy.
- Reinforces learned concepts by review.
- Learns to apply Scriptural principles to everyday situations.

Optional DVDs also provide interactive, multimedia instruction and “virtual hands-on” lab experiments. †

† Optional Lab DVDs provide the benefits of a scientific laboratory and allow students to observe “hands-on” lab experiments.

Bible Reading

Bible Reading 1 (Grade 1) (PACEs 1001-1012)

The student:

- Follows vividly-colored drawings of Bible characters while listening to Bible stories.
- Develops small motor muscles, eye-hand coordination, and visual discrimination.
- Learns basic Bible accounts.

Bible Reading 2 (Grade 2) (PACEs 1013-1024)

The student:

- Reads and answers questions about God's Word.
- Focuses on the book of John.
- Memorizes the books of the New Testament.
- Is encouraged in character development through examples given in each PACE.

Bible Reading 3 (Grade 3) (PACEs 1025-1036)

The student:

- Reads and answers questions about God's Word.
- Focuses on the book of Matthew.
- Memorizes the books of the Old Testament.
- Is encouraged in character development through examples given in each PACE.

Bible Reading 4 (Grade 4) (PACEs 1037-1048)

The student:

- Reads and answers questions about God's Word.
- Focuses on reading Mark and Luke.
- Learns the division of Old Testament books into sections: Law, History, Poetry, Major Prophets, and Minor Prophets.
- Is encouraged in character development through examples given in each PACE.
- Practices reading from God's Word.

Bible Reading 5 (Grade 5) (PACEs 1049-1060)

The student:

- Focuses on reading Acts, Genesis, Exodus, and begins Psalms.
- Reviews all the books of the Bible.
- Practices personalizing and meditating on Scripture.
- Learns interesting Bible facts.

Christian Growth (Self-Pacs 133-138) 1/2 Credit

The student reads:

- *The School of Obedience* by Andrew Murray, an encouragement to Believers to follow the Lord's example of **obedience** in life and ministry.
- *The Hour That Changes the World* by Dick Eastman, a plan with practical suggestions for the Christian who wants to improve prayer life.
- *Nervous Christians* by L.G. Little and T. H. Epp, a study of nervous disorders, psychosomatic suffering, and **psychotherapy** as written by a Christian doctor.
- *The Spirit-Controlled Temperament* by Tim LaHaye, a discussion of the four **basic temperaments** and how God uses them in a Christian life dedicated to Him.
- *When a Christian Sins* by John R. Rice, an examination of what happens when a Christian sins—how his life is affected, and how he can avoid sin.
- *This Way to Happiness* by Clyde M. Narramore, a survey of the basic needs of all humanity and how they are all met fully in Christ.

Introduction to Missions (PACEs 1-6) 1/2 Credit

The student:

- Is introduced to **worldwide missions**.
- Gains an appreciation of what has helped shape the path of mission work.
- Reads *Peril by Choice* by James Hefley, the story of John and Elaine Beekman, missionaries to Mexico and Guatemala.
- Reads *Peace Child* by Don Richardson, the story of Don and Carol Richardson, missionaries to what is now Irian Jaya.
- Reads *Beyond the Next Mountain* by Mawii Pudaite, the story of Rochunga Pudaite, native of India, who translated the Bible into the Hmar language.
- Reads *C.T. Studd* by Norman Grubb, the story of C.T. Studd, missionary to China, India, and Africa.
- Reads *The Triumph of John and Betty Stam* by Geraldine Taylor, the story of John and Betty Stam, missionaries to China.
- Reads *Give Up Your Small Ambitions* by Michael Griffiths, a book that assumes that we have given up our “small ambitions” and are pressing toward the mark of the great ambition—the “high calling of God in Christ Jesus.”
- Reads *Flagellant on Horseback* by Richard Ellsworth Day, the story of David Brainerd, missionary to United States Indians in early colonial days.

Life of Christ (Self-Pacs 133-144) 1 Credit

The student:

- Examines the historic and cultural background of the New Testament.
- Studies the nature of the Gospels.
- Considers the Galilean ministry of Christ.
- Follows Christ's Berean and Judean ministries.
- Visualizes the triumphal entry of Christ and His final public teaching.
- Witnesses the final hours of Christ with His disciples.
- Studies the resurrection and post-resurrection appearances of Christ.
- Gains insights that will enhance his personal walk with the Saviour.

New Testament Church History (Self-Pacs 121-132) 1 Credit

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

Optional resource: *Halley's Bible Handbook*

New Testament Survey (Self-Pacs 97-108) 1 Credit

This course is designed to introduce the high school student to the penman, the place, the period, the problem, the peculiarities, the purpose, and the plan of each book. The Inter-Testament Interval and Matthew through Revelation are studied. This course contains a special project the student must accomplish with his pastor before completing the Test.

Optional resource: *Halley's Bible Handbook*

Old Testament Survey (Self-Pacs 109-120) 1 Credit

This is a comprehensive course designed to provide the high school student with 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 the student's comprehension is increased. This study covers the introduction, preparation for Bible study, and authority of the books of the Bible. The covenants, time periods, laws, poetical books, and minor prophets are just a sample of topics that are discussed.

Business

Accounting (Self-Pacs 121-132) 1 Credit

The student:

- Studies assets, accounting techniques, liabilities and capital, and journalizing.
- Demonstrates understanding of a ledger analysis, account management, a balance sheet, and income statement completion.
- Investigates accounting for sales and purchases as well as inventory control.
- Learns about tax preparation, partnership, and corporate accounting.

Business Math (Self-Pacs 109-120) 1 Credit

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 checkbook reconciliation, budget preparation, calculation of discounts, and insurance acquisition.

General Business (Self-Pacs 97-108) 1 Credit

This study introduces the upper-level high school student to the world of business. It includes markets, consumer studies, advertising, corporations and industries, careers in business, production, labor, federal control, international business, banking, and finance.

Fine Arts

Beginning Art (junior high school student) (Self-Pacs 73-84) 1 Credit

The student:

- Reproduces a number of illustrations in the course using pencil, charcoal, pen and ink, watercolor, tempera and samples the art of lettering .
- Paints a color wheel, identifies warm and cool colors and mixtures, uses opposites on the color wheel successfully, and mixes colors to obtain the color needed.
- Studies line variation, design, and shape, and uses shading for depth and perspective.
- Draws various textures effectively.
- Learns to create well-balanced indoor and outdoor scenes, landscapes, and interiors.
- Uses stick figures to show action, indicates mood with facial expressions, and draws simple cartoons.
- Understands how to make a flannel board, creates flannel graph backgrounds and story materials, and makes posters.

Advanced Art (high school student) (Self-Pacs 97-108) 1 Credit

The student:

- Studies an introduction to the tools of art: the pencil, pen and ink, and paints.
- Learns the principles of design: symbols, rhythm, shapes, and awareness.
- Investigates the hue, value, intensity, and proportion of color, and paints in color.
- Designs clothing, draperies, still figures, and figures in motion.
- Learns about observation, point of view, perspectives, and light and shade.
- Examines chalk talks (materials, setup, tools for success) and generates a program.
- Discovers lettering, layouts, spacing, and other techniques designed to help the student integrate the learned material.

Music (high school student) (PACEs 1-6) 1/2 Credit

The student:

- Identifies various types of instruments—string, woodwind, brass, percussion, and keyboard instruments.
- Is taught how to read music.
- Learns how to select and purchase an instrument.
- Appreciates the background of great hymns and hymn writers.
- Gains knowledge of music notation including staff, clefs, intervals, scales, triads, and tetra chords.
- Learns the properties of tone (sounds, pitch, duration, intensity, and quality) .
- Develops song-leading skills.
- Recognizes recorded music from select composers.

Required resource: *Music Appreciation* CDs (audio)

Speech (PACEs 1-6) 1/2 Credit

The student:

- Understands the importance of proper breathing techniques, adding variety through inflection, speaking with emotion and enthusiasm, improving eye contact, and learning to articulate sounds properly.
- Becomes mentally and physically prepared for public speaking.
- Observes how pause, stress, and pitch affect speaking.
- Identifies the symptoms of stage fright.
- Learns the importance of proper word choice.
- Uses multiple personalities in communication.
- Applies the concepts of effective speaking through the presentation of speeches.

Optional resource: *Speech Illustrated* (DVD)

Health (PACEs 1-6) 1/2 Credit

The student:

- Learns the importance of proper nutrition, both spiritual and physical; types of nutrients; a balanced approach to exercise, diet, and weight loss.
- Examines a Biblical view of tobacco, alcohol, harmful drugs, sexually transmitted diseases, AIDS, and mental and emotional health.
- Gains valuable information on safety in six basic areas: home, transportation, job, school, personal safety, and safety for children.
- Learns about basic first aid treatment and care such as bites, bleeding, burns, fractures, and choking, taking a temperature or pulse, and blood pressure reading .

Government

Collectivism (Self-Pacs 133-138) 1/2 Credit Government Elective

The student:

- Studies the origins of collectivism in the revolt of Satan, the fall of man, the Tower of Babel, and classical and neo-classical utopian theorists.
- Examines the development of socialist movements from the seventeenth to the eighteenth centuries and studies an account of the fascist movements in Italy, Spain, Portugal, France, and Argentina.
- Investigates the order of the Illuminati, the French Revolution, Communism in ancient Greece and Rome, the Wesley Revivals in England, and the Awakenings in America.
- Analyzes the theory of Marxism—looks into the lives of Karl Marx and Friedrich Engels.
- Considers the events leading up to the 1905 and 1917 Russian Communist Revolutions, the 1912 Chinese Nationalist Revolution, and the 1948 Communist takeover of China.

Foreign Language

French (Self-Pacs 97-108) 1 Credit

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 accidence (inflection of words) of the French language and will have had several opportunities to utilize the lessons learned through practice reading and taped lectures.

Greek I (Self-Pacs 121-132) 1 Credit

This is an introductory course in the Greek of the New Testament designed to enable the student to read from the Greek New Testament. Vocabulary, grammar, and accidence (inflection of words) are the major studies, ending with an application of all grammar learned by translating I John.

Required resources: *Greek New Testament* (Textus Receptus) and *Greek Handbook*

Spanish (Activity Pacs 1-12) 1 Credit

The exciting Spanish I course represents a first in the DVD-Activity Pac format. The DVDs present the instructional content, and the Activity Pacs provide the drill and learning activities. The course consists of 24 instructional DVDs, 12 Activity Pacs, 1 Test DVD, and 4 Score Keys.

DVDs are required.

Rosetta Stone® (1 Credit)

The student:

- Is immersed in a new language from the beginning with no translation.
- Acquires new language through real-life images and the voices of native speakers.

Languages Available:

Arabic	Greek	Latin	Swedish
Chinese	Hebrew	Pashto	Tagalog
Danish	Hindi	Polish	Thai
Dutch	Indonesian	Portuguese	Turkish
English (US or UK)	Irish	Russian	Vietnamese
Farsi	Italian	Spanish (Latin America or	Welsh
French	Japanese	Spain)	
German	Korean	Swahili	

One credit is earned per level. If a student completes all three levels, he will be awarded three elective credits in foreign language.

Foreign Curriculum

French

Francophones around the world can find elementary material in French offered in the following courses:

- *ABCs with Ace and Christi* Learning-to-Read Program
- Bible Reading: Grade 1
- Animal Science: Grade 1
- French language: Grades 1-3
- Math: Grades 1-3
- Social Studies: Grades 1-3
- Word Building: Grades 1-3

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