



Educational Objectives

Each year, along with the notarized affidavit, purposed educational objectives must be submitted to the school district. The objectives can be general or detailed; the choice is up to you.

If your child has an IEP (Individual Educational Program), the educational objectives must be pre-approved by a certified special education teacher or licensed clinical or certified school psychologist. Please note, a certified special ed teacher, licensed clinical, or certified school psychologist is NOT required to evaluate a student with an IEP. Therefore, although I cannot pre-approve education objectives, I can evaluate a student that has an IEP.

The purpose of the objectives is to show the school district that the parent (supervisor) has a “plan-of-attack” in what they would like their child to cover academically for the school year. Social and enrichment activities, service projects etc. can be included but are not required.

According to Act 169, although the educational objectives are required, they do not have to be followed.

Sample Educational Objectives

Grade 2

ENGLISH:

- Spelling**
- Weekly phonics based word list with vocabulary
 - Memorize sight words not following phonetic rules
 - Sentence dictation using spelling words
 - Build vocabulary through synonyms, antonyms, homonyms, mimeographs, and compound words
- Reading**
- Develop phonetic analysis, and comprehension skills
 - Develop oral & silent reading skills
 - Develop library skills
- Language**
- Capitalization of first word in a sentence, days of week, etc.
 - Correct punctuation at the end of sentences
 - Complete sentences, questions, & exclamations
 - Words using suffixes, prefixes, syllables, abbreviations, compound words, rhyming
 - words singular & plural words, possessive words, and contractions
 - Alphabetizing words
 - Word usage rules
- Writing**
- Develop skills in manuscript writing
 - Write brief reports using proper grammar and following rules for composition

ARITHMETIC:

- Counting and writing from 1-500
- Numbers largest and smallest 1-300
- Addition facts through 18, column addition, 4 digit addition with carrying, addition terminology
- Subtraction facts through 17, 4 digit subtraction with borrowing, subtraction terminology
- Story problems in addition & subtraction
- Introduce multiplication facts by 2's, 3's, 5's, 10's
- Introduce division facts by 2's, 5's, 10's
- Numbers values, place values to 1000's
- Recognizing geometric shapes

Sample Educational Objectives

Grade 2 - (cont)

Simple fractions $1/2$, $1/4$, $1/3$ - cooking

Simple measuring - cooking

Value & handling of money

Telling time

SCIENCE:

Exposure to: insects, plants, animals, human body & health, energy, earth & space

Exposure to the world of computers through hands on learning

GEOGRAPHY:

Exploring the continents and oceans of the world

Exploring the states of the United States

HISTORY:

Study of American history through the lives of the people who built America

CIVICS:

Develop understanding of the purpose of government and law

Develop multi-cultural skills

Develop understanding of economics and career paths

BIBLE:

Study Bible doctrine and daily application through the lives of the Church fathers

Scripture memorization

Study historical development of hymns and choruses

SAFETY:

Review & practice fire safety rules

Review & practice kitchen & home safety rules

Review & practice bicycle & street/road traffic rules

Review & practice electrical safety rules

Review & practice water & woods safety rules

HEALTH:

Understand physical growth & development

Understand proper hygiene & personal care

Study basic first aid techniques and emergency procedures

Develop & practice proper manners

PHYSICAL EDUCATION:

Develop swimming skills

Develop personal and team athletic abilities

Develop winter sports skills

Bicycling, walking, & running as aerobic exercise

Engage in group skill development games

Participate in personal physical fitness tests

MUSIC:

Develop music theory skills & concepts

Instruction in vocal & instrumental music

Engage in choral singing

ART:

Understand the color chart

Develop drawing skills & techniques using various mediums

Educational Objectives

Grade 3

ENGLISH:

- SPELLING:** - Weekly phonics based work list with vocabulary
 - Memorize sight words not following phonetic rules
 - Building vocabulary through synonyms, antonyms, homonyms, and compound words
- READING:** - Develop phonetic, structural, and comprehensive analysis skills
 - Develop oral reading skills through poems, stories, and other appropriate literature
 - Develop library skills
- LANGUAGE:** - Develop skills in grammar and composition
 - Develop skill in recognizing parts of speech
 - Develop dictionary skills
- WRITING:** - Sharpen skills in manuscript writing
 - Develop skills in cursive writing
 - Write brief reports using proper grammar and following basic rules for composition
 - Develop basic research skills

ARITHMETIC:

- Recognize number place values
- Addition problems with carrying
- Subtraction problems with borrowing
- Develop skills in multiplication tables 0 - 12 and basic multiplication problems
- English and metric measuring
- Telling time and understanding time lines
- Roman numerals 1 - 1,000
- Solving word problems
- Recognizing and working with simple equations
- Recognizing and working with basic math signature
- Solving money problems
- Develop basic understanding of fractions

SCIENCE:

- Study plants and animals, growth and change
- Study properties of matter
- Study properties of sound and hearing
- Study times and seasons
- Study energy and it's sources

GEOGRAPHY:

- Develop skill in locating continents, oceans, countries, etc.
- Study geography of the USA

HISTORY:

- Study the influence of fishing, farming, and industry on US history
- Study US and Pa. history

CIVICS:

- Study how America works and lives

HEALTH:

- Study how you grow and change
- Study eating for health
- Study how the body produces and uses energy
- Study speech and hearing

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules

Educational Objectives

Grade 3 – (cont)

- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming
- Identify symbols used for poisonous materials
- Discuss personal safety in crowds and away from home
- Discuss basic rules of child care

PHYS. ED.:

- Develop personal and team athletic skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART:

- Understand color chart
- Develop drawing and painting skills and techniques using various mediums
- Build study projects using various art mediums and style

Grade 4

ENGLISH:

- SPELLING:** - Weekly phonics based work list with vocabulary
- Memorize sight words not following phonetic rules
- Building vocabulary through synonyms, antonyms, homonyms, and compound words
- READING:** - Develop combine phonetic & structural, and comprehensive analysis skills
- Develop oral reading skills through poems, stories, and other appropriate literature
- Develop library skills
- LANGUAGE:** - Develop skills in grammar and composition. Writing complete sentences using correct punctuation, following capitalization rules and understanding the formation of plurals and common contractions.
- Develop skill in recognizing parts of speech
- Develop dictionary skills
- WRITING:** - Sharpen skills in cursive writing: review of letter formation for one-space cursive writing, with strong emphasis on correct slant and spacing, and proportion.
- Write reports using proper grammar and following rules for composition
- Develop research skills

ARITHMETIC:

- Number theory-study prime and composite; LCM; informal negative #'s
- Addition-study commutative & associative properties; maintain skills thru word problems, etc.
- Subtraction-maintain skills thru word problems, etc.
- Multiplication-study commutative, associative, & distributive properties; basic factoring
- Division-two digit divisors; short division; remainders
- Decimals-read & write to millionths; using 4 basic operations; money applications
- Standard & metric measurements
- Roman numerals 1 - 1,000

Educational Objectives

Grade 4 – (cont)

- Solving word problems
- Recognizing and solving simple equations
- Geometry--introduce vocabulary working skills; use of protractor; patterns and locations of points; ordered pairs in maps and graph.
- Solving money problems

SCIENCE:

- Study plants and animals, growth and change
- Study man & his environment
- Study machines
- Study electricity & magnetism
- Study changes in water
- Study about weather
- Study the heavens

GEOGRAPHY:

- Develop skill in use of globe in locating continents, oceans, countries, etc.
- Study geography of the Pacific Ocean & islands
- Study geography of the mountains of South America & Europe
- Study geography of the Polar regions, the tropics, the grasslands of the world, & the deserts
- Study geography of the USA

HISTORY:

- Study our world in review; the men who changed it; the Old World & the New World
- Study U.S. history; explorers, settlers, & growth
- Study US and Pa. history

CIVICS:

- Study U.S. & Pa. governments
- Study trade & travel & its effects on man and his world

HEALTH:

- Study family provision & protection
- Study food chains & nutrition
- Study the wonders of the human body
- Conservation: using natural resources wisely

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules
- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming
- Identify symbols used for poisonous materials
- Discuss basic rules of child care

PHYS. ED.:

- Develop personal and team athletic skills
- Develop swimming skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests
- Develop winter outdoor sports abilities

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)

Educational Objectives

Grade 4 – (cont)

- Study and engage in performing arts
- Instruction in piano

ART:

- Understand color chart
- Develop drawing and painting skills and techniques using various mediums
- Build study projects using various art mediums and style

Grade 5

ENGLISH:

- SPELLING:**
- Weekly phonics based work list with vocabulary
 - Memorize sight words not following phonetic rules
 - Building vocabulary through synonyms, antonyms, homonyms, and compound words

- READING:**
- Develop library skills
 - Develop phonetic, structural, combine phonetic & structural, and comprehensive analysis skills
 - Develop oral reading skills through poems, stories, and other appropriate literature

- LANGUAGE:**
- Develop skill in recognizing parts of speech
 - Develop skills in grammar and composition, writing complete sentences using correct punctuation, following capitalization rules and understanding the formation of plurals and common contractions
 - Develop dictionary skills

- WRITING:**
- Sharpen skills in cursive writing: review of letter formation
 - Write reports using proper grammar and following rules for composition
 - Develop research skills

ARITHMETIC:

- Place value of whole numbers and decimals
- Mastery of fundamental operations using whole and fractional, and decimal numbers
- Word problems, etc.
- Factoring
- Divisibility rules
- Reading thermometer; conversion between Celsius and Fahrenheit
- Equation solving
- Graphs and scale drawings
- Standard & metric measurements
- Roman numerals 1 - 1,000
- Geometry-introduce vocabulary working skills; patterns and locations of points; ordered pairs in maps and graph, geometric shapes, perimeter and area.

SCIENCE:

- Plants: groupings of living plants
- Animals: with and without backbones
- Matter: matter and energy
- Energy: mechanical and heat energy; chemical and nuclear energy; electricity
- Earth and space: weather forecasting; earth and space navigation; treasures from the earth; fossil record
- Conservation: using natural resources wisely

HISTORY with GEOGRAPHY and CIVICS:

- Geography facts memorized: terms, rivers, capitals, mountains, climate, deserts
- Advanced map study

Educational Objectives

Grade 5 – (cont)

- Exploring the New World: land wildlife, and early people
- United States history: the colonial heritage; new world's first republic; land of discoveries

HISTORY with GEOGRAPHY & CIVICS: (cont.)

HEALTH:

- Study family provision & protection
- Study food chains & nutrition
- Study the wonders of the human body
- Conservation: using natural resources wisely

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules
- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming
- Discuss basic rules of child care

PHYS. ED.:

- Develop personal and team athletic skills
- Develop swimming skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests
- Develop winter outdoor sports abilities

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART:

- Understand color chart
- Develop drawing and painting skills and techniques using various mediums
- Build study projects using various art mediums and styles

Grade 6

ENGLISH:

- SPELLING:** - Weekly phonics based work list with vocabulary
- Memorize sight words not following phonetic rules
 - Building vocabulary through synonyms, antonyms, homonyms, and compound words

- READING:** - Strengthen comprehension skills
- Reading for purpose; entertainment, information, and inspiration
 - Build study skills: skimming scanning, encyclopedia use, concordance and other research volume use
 - Poetry: characteristics: word inflections and variation: poetic devices and form
 - News print: Analyzing a news story; determine writer's purpose: internalize ideas

- LANGUAGE:** - **Communication, literature, and language:** Literary forms & organization: patterns in language: speaking expressively & listening attentively; Parts of speech and proper usage; biographies as literary form
- Structure of language: sentence structure and patterns; sentence variation and creativity; sentence meaning and emphasis

Educational Objectives

Grade 6 – (cont)

- Nature , structure, and usage of English

WRITING: - Practice cursive writing skills through creative writing, book reports, research papers, outlines, and written dialogues

ARITHMETIC:

- Factors and multiples
- Math operations with fractions and mixed numbers
- Decimal math operations
- Introduction to geometry
- Introduction to linear algebra
- Rational numbers
- Formulas and ratios

SCIENCE:

- Plant and animal systems
- Plant and animal behavior
- Chemical structures and change
- Light and sound
- Motion and it's measuring
- The earth, sun, and other stars
- Earth systems and the universe

GEOGRAPHY:

- Study geography of eastern and western Europe
- Study geography of South America and Africa
- study geography of the Middle East

HISTORY & CIVICS:

- Study the development of our world
- Study the founding of Pa. and its historical relationship to our nation

HISTORY & CIVICS: (cont.)

- Political and cultural regions of our world
- Life in the Middle East
- Influence of Greece and Rome in our world
- Life in the Middle Ages
- The people of South America and Africa
- The people of E. and W Europe

HEALTH:

- Study digestive, excretion, and skeletal systems and their relationship to health and disease
- Human behavior in family life
- Human reproduction as God intended

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules
- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming
- Discuss basic rules of child care

PHYS. ED.:

- Develop personal and team athletic skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests

Educational Objectives

Grade 6 – (cont)

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART:

- Understand color chart
- Develop drawing and painting skills and techniques using various mediums
- Build study projects using various art mediums and styles

Grade 7

ENGLISH:

SPELLING/VOCABULARY: - Building vocabulary through prefixes, roots, synonyms, antonyms, homonyms, word families, denotations, and connotations

READING/LITERATURE:

- Strengthen comprehension skills
- Reading for purpose; entertainment, information, and inspiration
- Build study skills: skimming scanning, encyclopedia use, concordance and other research volume use
- Poetry: characteristics: word inflections and variation: poetic devices and form
- News print: Analyzing a news story; determine writer's purpose: internalize ideas

LANGUAGE/GRAMMAR:

- Communication, and language: Literary forms & organization: patterns in language: speaking expressively & listening attentively; parts of speech and proper usage
- Structure of language: sentence structure and patterns; sentence variation and creativity; sentence meaning and emphasis; sentence diagramming

WRITING/COMPOSITION:

- Practice cursive writing skills through creative writing, book reports, letters, summaries, research papers, outlines, and written dialogues

MATHEMATICS:

- Sets & subsets; unions & intersections; number sets; place values
- Math operations using properties; rounding & estimating
- Fractions & decimals; factoring ; LCD & GCD; renaming fractions; math operations using fractions
- Introduction to plan & solid geometry
- Introduction to linear algebra
- Ratio & proportions; powers & roots; negative numbers
- Development & use of formulas
- Metrics & measuring
- Introduction to computers & computer science

LIFE SCIENCE:

- Basics of life science; living things; classifications; cells; creationism
- Basics of organisms; environment; energy; natural resources; relationships of organisms;
- Continuation of living things; reproduction; genetics
- Study of the human body

GEOGRAPHY:

- Study the influence of geography on world cultures

Educational Objectives

Grade 7 – (cont)

HISTORY & CIVICS:

- Study the development of our world cultures
- Study the founding of Pa. and its historical relationship to our nation
- Compare world governments in history
- Compare economics both historically and geographically

HISTORY & CIVICS: (cont.)

- Historical comparison of world religions to Christianity
- Arts, sciences, and ways of life in the past

HEALTH:

- Study the new you: social and mental health
- Personal appearance: an expression of you
- Drug Abuse
- Spiritual fitness: morality; dating & marriage

SAFETY:

- Review and practice fire safety rules
- " " " practice kitchen safety rules
- " " " rules for use of hand tools
- " " " fire safety
- " " " street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming
- Discuss basic rules of child care

PHYS. ED.:

- Develop personal and team athletic skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART:

- Develop drawing and painting skills and techniques using various mediums
- Build study projects using various art mediums and styles
- Study Art of historical cultures

Grade 8

ENGLISH:

SPELLING/VOCABULARY:

- Building vocabulary through prefixes, roots, synonyms, antonyms, homonyms, word families, denotations, and connotations
- Weekly spelling lessons

READING/LITERATURE:

- Strengthen comprehension skills
- Reading for purpose; entertainment, information, and inspiration
- Build study skills: skimming scanning, encyclopedia use, concordance and other research volume use
- Poetry: characteristics: word inflections and variation: poetic devices and form

Educational Objectives

Grade 8 – (cont)

- News print: Analyzing a news story; determine writer's purpose: internalize ideas

LANGUAGE/GRAMMAR:

- Communication, and language: Literary forms & organization: patterns in language: speaking expressively & listening attentively; parts of speech and proper usage
- Structure of language: sentence structure and patterns; sentence variation and creativity; sentence meaning and emphasis; sentence diagramming

WRITING/COMPOSITION:

- Practice cursive writing skills through creative writing, book reports, letters, summaries, research papers, outlines, and written dialogues

MATHEMATICS:

- Sets & numeration; equivalent sets; subsets; union & intersections; rational numbers
- Geometry--Basic terms; angles; measuring angles; lines & angles; polygons; congruent & similar figures; logic; deductive reasoning; proofs
- Algebra--integers & exponents with problem solving; operations with integers including graphing, square roots, & negative exponents; word problems solving equations & inequalities; functions including functional notation & graphing
- Factoring & fractions; prime and composite numbers; prime factoring; LCM's, etc.
- Rational numbers; irrational numbers; operations with fractions
- Statistics & probabilities; organizing data; frequency polygons
- Decimal math operations
- Ratio, proportion, and per cent
- Introduction to computers & computer science

LIFE SCIENCE:

- Basics of Astronomy; use of telescope; conquest of space
- Basics of Physics; matter in motion, states of matter; physics of fluids; physics of heat
- Continuation of living things; reproduction; genetics
- Chemistry & Physics in human Biology;

GEOGRAPHY , HISTORY, & CIVICS:

- Study the influence of the Protestant Reformation & its affect on the lands & people of western Europe
- Study the Age of Exploration and the foundations of America
- Study the new worlds of industry, music, art, & literature
- Study the geography of Europe; Western Europe; British Commonwealth; Asia, & Africa
- Study the founding of Pa. and its historical relationship to our nation
- Compare world governments in history
- Compare economics both historically and geographically
- Historical comparison of world religions to Christianity
- Arts, sciences, and ways of life in the past & its affect on the present
- Current events

HEALTH:

- Study the new you: social and mental health
- Personal appearance: an expression of you
- Tobacco, alcohol, & drugs & their effects on the human body
- Spiritual fitness: morality; dating & marriage

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules
- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules

Educational Objectives

Grade 8 – (cont)

- " " " electrical safety rules
- " " " water safety rules for boating and swimming

PHYS. ED.:

- Develop personal and team athletic skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART:

- Develop drawing and painting skills and techniques using various mediums
- Build study projects using various art mediums and styles
- Study Art of historical culture2

Grade 9

ENGLISH:

SPELLING/VOCABULARY: - Building vocabulary through prefixes, roots, synonyms, antonyms, homonyms, word families, denotations, and connotations

READING/LITERATURE:

- Strengthen comprehension skills
- Reading for purpose; entertainment, information, and inspiration
- Build study skills: skimming scanning, encyclopedia use, concordance and other research volume use
- Poetry: characteristics: word inflections and variation: poetic devices and form
- News print: Analyzing a news story; determine writer's purpose: internalize ideas

LANGUAGE/GRAMMAR:

- Communication, and language: Literary forms & organization: patterns in language: speaking expressively & listening attentively; Parts of speech and proper usage
- Structure of language: sentence structure and patterns; sentence variation and creativity; sentence meaning and emphasis; sentence diagramming

WRITING/COMPOSITION:

- Develop writing skills through creative writing, book reports, letters, summaries, research papers, outlines, and written dialogues

ALGEBRA I:

- Algebraic properties and real numbers
- Linear equations in one variable
- Polynomials
- Factoring; includes solving quadratics by factoring
- Algebraic fractions
- Irrationals; includes solving formulas of second degree for variables
- Solving quadratics and applications
- Systems of linear equation including graphing and slope
- Inequalities in one and two variables
- Relations and functions

Educational Objectives

Grade 9

BIOLOGY:

- Botany: Zoology
- Human anatomy and Physiology
- Cellular and molecular Biology
- Genetics
- Laboratory work: dissections, microscopy, field studies, nutrition, cellular Biology

GEOGRAPHY, HISTORY, & CIVICS:

- Study the influence of geography on American history
- Chronological survey of American history from discovery to present
- Study the founding of Pa. and its historical relationship to our nation
- Structure of American government and Constitution
- Development of free enterprise system, inroads of socialism
- Christian contributions to America's history

HEALTH:

- Study the new you: social and mental health
- Personal appearance: an expression of you
- Drug Abuse
- Spiritual fitness: morality; dating & marriage

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules
- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming

PHYS. ED.:

- Develop personal and team athletic skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART: - Develop drawing and painting skills and techniques using various mediums

Grade 10

ENGLISH:

SPELLING/VOCABULARY:

- Building vocabulary through prefixes, roots, synonyms, antonyms, homonyms, word families, denotations, and connotations

WORLD LITERATURE:

- Strengthen comprehension skills
- Reading for purpose; entertainment, information, and inspiration
- Build study skills: skimming scanning, encyclopedia use, concordance and other research volume use
- Study of classics by such authors as Dickens, Browning, Millay, Holmes, Poe, Doyle, Yeats, Tolstoy, Etc.

Educational Objectives

Grade 10 – (cont)

- Study of major works in history
 - Intro. to literary terms & forms

LANGUAGE/GRAMMAR:

- Communication, and language: Literary forms & organization: patterns in language: speaking expressively & listening attentively; Parts of speech and proper usage
- Structure of language: sentence structure and patterns; sentence variation and creativity; sentence meaning and emphasis; sentence diagramming

WRITING/COMPOSITION:

- Develop writing skills through creative writing, book reports, letters, summaries, research papers, outlines, and written dialogues

ALGEBRA II:

- Linear equations & inequations; absolute value equations; problem solving
- Linear relations & functions; graphing techniques
- Polynomials; operations & factoring
- Quadratic equations, formulas, & functions
- Polynomial & Quadratic functions & graphing
- Systems of equations; graphing;
- Radical operations & equations
- Complex numbers; operations, vectors, graphing
- Rational expressions; operations & problem solving
- Conic sections; circles, parabolas, ellipses, & hyperbolas
- Trigonometry; triangles, radians, functions; laws of sine & cosine; identities
- Exponentials & logarithms; equations & functions
- Matrices; operations; determinants; Cramer's rule

BIOLOGY II:

- Botany: Zoology: Genetics
- Human anatomy and Physiology
- Cellular and molecular Biology
- Laboratory work: dissections, microscopy, field studies, nutrition, cellular Biology,

WORLD HISTORY, GEOGRAPHY, & CIVICS:

- Asia & Africa: Foundations; Sumer; Fertile Crescent; Other Asian cultures; Egypt, other African cultures
- Europe: Greece; Rome; Church history; Byzantine Empire, Dark Ages; Nations in Making
- The Reformation Era: Northern Renaissance & Protestant Reformation; post-reformation
- Revolution, Revival, & Reform: Enlightenment & French Revolution; Awakening; Age of Industry, England's Age of Progress
- The World at War: Unbelief & revolution in 19th century Europe; W.W.I; the rise of communism; 20th century liberalism; retreat from authority & responsibility; W.W.II; conflicts with communism
- Structure of American government and Constitution
- Development of free enterprise system, inroads of socialism
- Christian contributions to America's history

HEALTH:

- Study the new you: social and mental health
- Personal appearance: an expression of you
- Tobacco, alcohol, & drugs & their effects on the human body
- Spiritual fitness: morality; dating & marriage

Educational Objectives

Grade 10 – (cont)

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules
- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming

PHYS. ED.:

- Develop personal and team athletic skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART:

- Intro. to art appreciation
- Develop drawing and painting skills and techniques using various mediums

Grade 11

ENGLISH:

SPELLING/VOCABULARY:

- Building vocabulary through prefixes, roots, synonyms, antonyms, homonyms, word families, denotations, and connotations

AMERICAN LITERATURE:

- Strengthen comprehension skills
- Reading for purpose; entertainment, information, and inspiration
- Build study skills: skimming scanning, encyclopedia use, concordance and other research volume use
- Introduction to the highlights of American literature
- Writers and works of 19th and 20th centuries, authors such as Melville, Longfellow, etc.

LANGUAGE/GRAMMAR:

- Communication, and language: Literary forms & organization: patterns in language: speaking expressively & listening attentively; Parts of speech and proper usage
- Structure of language: sentence structure and patterns; sentence variation and creativity; sentence meaning and emphasis; sentence diagramming

WRITING/COMPOSITION:

- Develop writing skills through creative writing, book reports, letters, summaries, research papers, outlines, and written dialogues

ADVANCED MATHEMATICS - I:

PLANE TRIGONOMETRY:

- Functions of an acute angle; solution of right triangles
- Trigonometric functions of any angle
- Radian measure; mil measure
- Line values and graphs of functions
- Fundamental relations
- Functions of two angles

Educational Objectives

Grade 11 – (cont)

- Oblique triangles

SOLID GEOMETRY

- Lines and planes in space
- Dihedral and polyhedral angles
- Prisms and pyramids; cones and cylinders; spheres
- Supplemental topics

CHEMISTRY:

- Matter; the substance of chemistry
- Stoichiometry: elements and compounds; chemical reaction
- Chemical thermochemistry; Oxidation: reduction reactions, electrochemistry
- Electronic structure; periodic table; chemical bond; and intermolecular forces
- Solutions and colloids; Chemical kinetics and equilibrium; Ionic equilibrium in solution
- Acids, bases, and salts
- Nuclear chemistry
- Organic Chemistry
- Weekly lab. studies

WORLD HISTORY with GEOGRAPHY and CIVICS:

- Asia & Africa: Foundations; Sumer; Fertile Crescent; Other Asian cultures; Egypt, other African cultures
- Europe: Greece; Rome; Church history; Byzantine Empire, Dark Ages; Nations in making
- The Reformation Era: Northern Renaissance & Protestant Reformation; post-reformation
- Revolution, Revival, & Reform: Enlightenment & French Revolution; Awakening; Age of Industry, England's Age of Progress
- The World at War: Unbelief & revolution in 19th century Europe; W.W.I; the rise of communism; 20th century liberalism; retreat from authority & responsibility; W.W.II; conflicts with communism

HEALTH:

- Study the new you: social and mental health
- Personal appearance: an expression of you
- Tobacco, alcohol, & drugs & their effects on the human body
- Spiritual fitness: morality; dating & marriage

SAFETY:

- Review and practice fire safety rules
- " " " kitchen safety rules
- " " " rules for use of hand tools
- " " " sidewalk and street/road safety rules
- " " " electrical safety rules
- " " " water safety rules for boating and swimming

PHYS. ED.:

- Develop personal and team athletic skills
- Bicycling, walking, and running as aerobic exercise
- Participate in personal physical fitness tests

MUSIC & PERFORMING ARTS:

- Develop music theory skills and concepts
- Instruction in vocal music (choral and solo)
- Study and engage in performing arts
- Instruction in piano

ART: - Develop drawing and painting skills and techniques using various mediums