

BIBLE **Fifth Grade 2009-2011**

Fruit of the Spirit: Applying these gifts to real life

- Know that each person has been given unique talents and spiritual gifts by God
- Understand that God always was and will always be a God of love
- Understand that God created humanity with the power of choice
- Know that God's character of love is revealed through His laws and interaction with His people
- Understand that the God of the Old Testament is the same God as the New Testament
- Understand the covenant relationship God initiated with His people and the role of faith, repentance, and forgiveness
- Recognize the importance of showing kindness toward and acceptance of people who are different
- Recognize that as the Holy Spirit works in lives of people, people become more and more like Jesus and will reflect His love and goodness to others
- Understand that God continues to offer the gift of salvation
- Understand the importance of daily commitment to God and relying on His power for a victorious life

FINE ARTS

Art

- Select media, techniques and processes; analyze what makes them effective/not effective; identify the effectiveness of choices
- Employ organizational structures and analyze their effectiveness in the communication of ideas
- Use subjects, themes and symbols that demonstrate knowledge of contexts, values and aesthetics
- Describe, place a variety of art objects in historical/cultural context
- Analyze, describe, demonstrate how factors of time/place influence visual characteristics to give meaning/value to a work of art
- Describe and compare a variety of individual responses to their own artworks and to artworks from various eras and cultures
- Describe ways in which the principles and subject matter of other disciplines taught in the school are interrelated with the visual arts

Music

- Know names of lines and spaces of bass clef
- Identify and write symbols for sharp, flat and natural
- Sight-read a musical phrase
- Use *D.C. al fine*
- Know symbols and meanings for ritardando and accelerando
- Know symbols/meanings for crescendo, decrescendo, diminuendo
- Listen to music of the baroque period
- Learn names of some hymn writers

LANGUAGE ARTS

Extended Reading and Writing

- Read to obtain information
- Use decoding and context to read
- Use the writing process and write using story elements
- Write expository papers and a picture book
- Edit, spelling, grammar and punctuation
- Recognize and read grade-appropriate sight words
- Write for various purposes and audiences

Comprehending, Studying, and Evaluating Ideas

- Write paragraphs with main ideas and details
- Retell or take notes on narratives using story plans
- Determine meaning of unfamiliar words and phrases
- Develop two-column notes and charts
- Identify bias in visual, auditory, and literary works
- Discern between good/evil, real/imaginary, fact/opinion
- Use graphic organizers
- Evaluate by opinion-proof notes and persuasive paragraphs
- Analyze author's craft and story elements
- Synthesize information from multiple, reliable resources

- Analyze main ideas of print and visual media
- Write summaries
- Develop discriminatory skills

Reference Skills

- Use library references and resources

Word Study

- Read, spell, and write words with short and long vowels
- Correctly spell grade-appropriate words
- Read, spell, write homophones, compound words & contractions
- Read, spell, write and define easily confused words

Sentence Skills

- Identify the subject and predicate in a sentence
- Identify and use conjunctions
- Recognize fragments & run-on sentences; combine short sentences
- Identify and use grade-appropriate punctuation
- Write sentences, paragraphs, and stories
- Edit for usage
- Identify action verbs
- Identify and use correct verb tense, adjectives, proper nouns, proper adjectives and adverbs
- Capitalize and punctuate abbreviations

MATH

Number and Operations

- Understand place value through billions
- Be proficient in counting money and making change
- Develop, use number sense for whole numbers, fractions, decimals
- Develop and apply number theory concepts, e.g. multiples, primes and factors in real world and mathematical situations
- Determine pairs of numbers given a relation or rule, and determine the relation or rule of given pairs of numbers
- Understand how basic mathematical operations are related
- Develop, analyze and explain procedures for computation and techniques for estimation
- Select appropriate methods and tools for computing with whole numbers, fractions and decimals
- Round whole numbers to the designated place value
- Identify/generate equivalent forms of fractions, decimals, percents
- Recognize, model/describe multiples, factors, composites, primes
- Determine the GCF and LCM of two numbers
- Convert fractions to the LCD
- Reduce fractions to simplest form (lowest terms)
- Add and subtract time using renaming

Algebra

- Graph linear equations with one variable
- Use calculators, computers, tables and graphs to develop and interpret patterns
- Understand and use formulas; apply order of operations rules
- Develop skill in solving and writing linear equations
- Investigate inequalities and nonlinear equations

Geometry

- Learn the relationship between radius and diameter
- Classify angles according to the measure
- Identify and select appropriate units to measure angles (degrees)
- Understand and use linear, square and cubic units
- Count faces, vertices and edges; create perspective drawings
- Describe ray, segment, interior and exterior of an angle
- Recognize and create patterns with tessellations

Measurement

- Identify the paths between points on a grid or coordinate plane and compare the lengths of the paths
- Demonstrate and describe difference between covering the faces (surface area), and filling interior (volume), of 3-dimensional objects
- Use standard angles (45°, 90°, 120°) to estimate the measure of angles and use a protractor to measure and draw angles

- Convert one metric unit to one customary unit
- Understand that measurement is not exact, e.g. when measured multiple times, measurements may give slightly different numbers
- Understand and explain how differences in units affect precision
- Measure length to the nearest cm and $\frac{1}{8}$ of an inch

Data Analysis and Probability

- Collect and organize data, then determine appropriate method and scale to display data
- Find the mean, median, mode and range of a given set of data and use these measures to describe the set of data
- Use calculators to simplify computations and use computers to assist in generating and analyzing information
- Analyze data and make predictions/conjectures based on samples
- Distinguish between a population and a sample
- Discuss the reasonableness of the data and the results
- List all possible outcomes of an event
- Read, construct and interpret frequency tables
- Make predictions based on experimental/theoretical probabilities

PHYSICAL EDUCATION

Spiritual Emphasis

- Recognize God's ideal for quality living includes a health lifestyle
- Incorporate into one's lifestyle principles of health
- Avoid at-risk behaviors; achieve balance in work and leisure
- Apply Christian principles in recreation and sports
- Recognize the interaction of physical, mental and spiritual health with emotional and social well-being

Movement and Motor Skills

- Demonstrate mature form for all basic manipulative, locomotor and non-locomotor skills
- Demonstrate increasing competence in more advanced skills
- Adapt and combine skills to the demands of increasingly complex situations of selected movement forms
- Demonstrate beginning strategies for net and invasion games
- Apply previously learned knowledge to improve performance
- Apply information from a variety of internal and external sources
- Identify and apply principles of practice and conditioning that enhance performance
- Recognize sport specific movement patterns applied to games
- Understand terms that describe basic movement
- Use basic offensive/defensive strategies in non-complex settings

Lifestyle and Fitness

- Identify opportunities in the school and community for regular participation in physical activity
 - Participate daily in some form of health-enhancing physical activity
 - Discover personal interests/capabilities regarding exercise behavior
 - Identify the critical aspects of a healthy lifestyle
 - Participate in moderate to vigorous activity in a variety of settings
 - Monitor intensity of exercise
 - Understand the reason for proper cool-down/warm-up techniques
 - Begin to develop a strategy for improvement of fitness components
 - Work somewhat independently with minimal supervision in pursuit of personal fitness goals
 - Meet the health-related fitness standards as defined by a standard physical fitness test
 - Recognize physical activity as a positive opportunity for social and group interaction
 - Experience enjoyment from participation in physical activities
 - Use physical activity to express feelings and relieve stress
 - Seek personally challenging experiences
- ### **Sportsmanship and Appropriate Behaviors**
- Participate in establishing rules, procedures and etiquette that are safe and effective for specific activity situations
 - Work cooperatively and productively in a group to accomplish a set goal in cooperative and competitive activities

- Make conscious Christ-like decisions about applying rules, procedures and etiquette
- Utilize time effectively to complete assigned tasks
- Acknowledge differences in the behaviors of people of different gender, culture, ethnicity, development and disability
- Cooperate with disabled peers and those of different gender, race, ethnicity and religion
- Work cooperatively with both more and less skilled peers

SCIENCE

Life: Living Things

- Describe, explain and compare the structure and function of cells
- Identify the characteristics of living things and non-living things
- Use the standard classification system to group animals based on their characteristics
- Identify features of fish that distinguish them from other classes of animals
- Identify the main characteristics of birds, reptiles, amphibians, and mammals and how these affect behavior and function of the animal

Health: Personal Mental Health, Interpersonal Human Health, Human Sexuality

- Describe how personality, relationships and self-concept affect mental and emotional health
- Define stress including its positive and negative aspects and how stress relates to decision making
- Identify factors that influence how friends are chosen and the impact of friends on peer pressure
- Know ways to seek assistance if worried, abused or threatened
- Explain human reproduction and development
- Identify the physical, emotional, intellectual and social changes that occur at puberty
- Describe God's plan for human sexual behavior

Physical: Heat, Energy Waves, Sound, Light

- Describe the relationship between heat and kinetic theory of matter
- Identify, describe and compare different types of wave energy
- Describe the organization of the electromagnetic spectrum and the uses/applications of each type of electromagnetic wave
- Compare electromagnetic waves and mechanical waves
- Explore characteristics of heat, sound, and light
- Compare and contrast types of mirrors and lenses

Earth: Meteorology and Oceanography

- Define meteorology, and purpose of various weather instruments
- Describe how clouds are formed
- Identify characteristics of different storms
- Distinguish between climate and weather
- Describe Earth's atmospheric layers and the "greenhouse" effect
- Explain air pressure and local/global winds, how they are measured and their effects on weather
- Explain water cycle and relationship to weather/climatic patterns
- Describe physical structures and ecosystems present in the ocean
- Explain currents, tides, ocean waves, and ocean water composition
- Identify resources from the sea, how humans affect ocean ecology

Scientific Inquiry: May be included in each unit of study

- Make observations
- Ask questions or form hypotheses based on these observations
- Plan a simple investigation and collect data from the investigation
- Use the data collected from the investigation to explain the results
- Safely use and store tools and equipment

Service/Career Options

- Explore ways to use Physical, Life, Health, and/or Earth Science to serve the community
- Identify careers in areas of Science

SOCIAL STUDIES

History: The development of the US through the ravages of the Civil War

- Trace the routes of major European explorers
- Identify the founders and study how the colonies grew
- Explain reasons for people moving from Europe to the Americas
- Describe the impact of exploration and settlement on native Indians
- Explain causes, conditions, consequences of French and Indian War
- Identify the causes of the American Revolution
- Evaluate contributions of women during the American Revolution
- Discuss the United States Constitution and the Bill of Rights
- Describe the Louisiana Purchase and Lewis and Clark expedition
- Explain concept of Manifest Destiny
- Describe issues associated with the westward expansion of slavery
- Understand the War of 1812
- Analyze the causes of events leading to the Civil War
- Discuss Ellen White's vision that shows God's involvement in the outcome of the Civil War

Civics and Government

- Explain the Magna Carta and development of the US Constitution
- Summarize the Preamble to the US Constitution
- Compare the Constitution to the Ten Commandments
- Describe various kinds of elections and how they are conducted
- Describe the 3 branches of the US government and their functions
- Examine how citizens voice opinions, monitor government and bring about change

Geography

- Demonstrate the understanding of latitude and longitude
- Demonstrate how maps are used to portray specific information
- Learn the continents and their locations
- Recognize the four hemispheres of the Earth
- Trace boundaries between the North and South during Civil War
- Name and locate major regions, rivers, mountain ranges, drainages, and the continental divides of North America
- Understand and explain reasons for human migration
- Know how the Earth's position, relative to the sun, affects earth
- Describe how land was used by Native Indians and colonists
- Describe the abuse of natural resources in the past and how their use has changed to preserve those resources over time
- Tell how natural features influenced historical events - movements

Economics

- Understand how economics brought about the Revolution
- Describe economic incentives associated to westward expansion
- Describe how regions were linked economically and how trade affects the way people have their needs and wants met

Individuals, Society, and Culture

- Understand the importance of a personal relationship with Christ
- Identify qualities that make people unique a part of God's plan
- Tell how cultural groups have contributed to American way of life
- Discuss the impact of prejudice on society
- Recognize the impact of immigration on cultural diversity
- Understand the importance of religious freedom
- Recognize the church's efforts to alleviate social problems

TECHNOLOGY

- Demonstrate proper use/care of computers, input/output devices
- Learn to troubleshoot for basic malfunctions
- Practice keyboarding, using correct hand position and posture
- Use word processing, editing and file management skills
- Begin using presentation software
- Use electronic resources to enhance and access information
- Know proper technology terms
- Understand consumer issues regarding technology
- Investigate technology-related occupations
- Use courtesy while sharing computer time
- Become aware of legal issues when using software
- Identify computer abuse including use of Internet



Seventh-day
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NORTH AMERICAN
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Adventist Education
A JOURNEY TO EXCELLENCE

KEY LEARNINGS
Fifth Grade

2009 - 2011