

## **BIBLE** Fifth Grade 2006-2008

### **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 and diminuendo
- Listen to music of the baroque period
- Learn names of some hymn writers

## **LANGUAGE ARTS**

### **Viewing**

- Interpret impressions from visual media that impact understanding
- Understand similarities and differences among a variety of media
- Determine correct word meaning from visual context using electronic devices

### **Listening**

- Interpret a speaker's topic, purpose, and perspective
- Use listening skills in group settings
- Take brief notes to identify main points and key information
- Draw inferences and reach conclusions

### **Reading**

- Read independently, selecting appropriate reading strategies
- Use dictionary, glossary, thesaurus, encyclopedia, card catalog, and electronic devices
- Use abstract vocabulary to extend reading vocabulary
- Use skim and scan to improve comprehension
- Use compare and contrast to improve comprehension

## **Speaking**

- Use oral language skills in a variety of settings
- Participate in group discussions, refine/use cooperative processes
- Identify persuasive messages

## **Visually Representing**

- Develop visual media to model responsible decision-making skills
- Demonstrate how visual media techniques establish mood
- Develop visual media to show similarities and differences

## **Writing**

- Practice the writing process
- Use characteristics of good writing
- Use figurative language to describe characters

## **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 from among mental computation, estimation, calculator and paper/pencil
- 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
- Develop skill in solving and writing linear equations using informal and formal methods
- Investigate inequalities and nonlinear equations
- Apply order of operation rules

### **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  $\frac{1}{2}$  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: nutrition, exercise, water, sunlight, temperance, air, rest, trust in God
- Avoid at-risk behaviors
- Apply Christian principles in recreation and sports
- Achieve a balance in work and leisure; balancing physical, mental, social and spiritual activities
- 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
- 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
- Discuss 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

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