

## **BIBLE** **Sixth Grade 2009-2011**

**Christ – Our Life:** His Teaching, Death, Resurrection and the Early Church

- Identify the Bible as God's way of communicating to humanity
- Demonstrate how to use aides for greater understanding when studying the Bible
- Understand that God is omnipotent, omniscient and infinite, yet is affected by your response to Him
- Explain the relationship of God, heaven and the angels to Jesus and His life on earth
- Know what the great controversy is and how the plan of salvation relates to it
- Know the gospel story and why it is important to accept Jesus as Savior and model one's life after His
- Understand importance of baptism, becoming a part of God's family
- Explain the mission of the church and the importance of using one's spiritual gifts to share the Gospel with all people
- Understand the early development of the Christian

## **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 and place various art objects in historical/cultural context
- Analyze, describe, demonstrate how factors of time/place influence visual characteristics that give meaning and 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**

- Recognize and write the C major scale
- Recognize the sound of a major scale
- Sight-read a simple song
- Identify and sing cadence
- Demonstrate and use first and second endings
- Identify canon form (liturgy)
- Know symbols and meanings for fermata and tenuto
- Compare tone qualities of orchestral music from different cultures
- Identify and sing early Advent hymns

## **LANGUAGE ARTS**

### **Extended Reading and Writing**

- Use the writing process
- Write expository papers
- Recognize and read grade-appropriate sight words
- Organize final drafts logically
- Write from an outline
- Edit spelling, grammar, and punctuation
- Write sentences, paragraphs, poetry, and stories
- Write using a variety of genres

### **Comprehending, Studying, and Evaluating Ideas**

- Sequence events in pictures, notes, timelines, charts, paragraphs
- Write paragraphs with main ideas and details
- Develop main idea outlines using number notes with topics/ details
- Create and experiment with visual media
- Evaluate by opinion-proof notes and persuasive paragraphs
- Analyze story elements
- Use graphic organizers
- Write summaries
- Determine meaning of unfamiliar words and phrases by using context clues or resource materials

- Develop two-column notes and charts
- Develop discriminatory skills
- Understand similes and metaphors
- Synthesize information from multiple, reliable resources

### **Reference Skills**

- Use library references and resources

### **Word Study**

- Read, spell, and write multi-syllabic words
- Correctly spell grade-appropriate words
- Read, spell, write, define suffixes and words from other cultures
- Read, spell, write and define easily confused words

### **Sentence Skills**

- Identify and write different kinds of sentences
- Edit for punctuation and usage
- Recognize and use possessive nouns
- Identify and use verbs, adverbs, prep. phrases, adjective phrases
- Recognize and write sentences with natural, interrupted, and inverted order

## **MATH**

### **Number and Operations**

- Understand the meaning and use of exponents
- Understand the associative property of addition and multiplication
- Extend understanding of whole number operations to fractions, decimals, percents and mixed numbers
- Understand and apply divisibility rules
- Round decimals to the nearest thousandths
- Understand the concepts of ratio, percent and percentage
- Compare and order improper fractions, mixed numbers and decimal fractions to thousandths
- Develop meaning for integers and use integers to represent and compare quantities
- Add, subtract, multiply and divide integers
- Give the prime factorization of a number
- Use factor trees to give the prime factorization of a number
- Convert fractions to decimals to percents and vice versa
- Convert fractions to terminating, repeating or rounded decimals
- Solve proportions with an unknown
- Understand and use mathematical vocabulary appropriately
- Write a remainder as a fraction or decimal
- Find the percent of a number
- Find the percent one number is of another and find the original number when the percent is given
- Use percents to determine sales tax, commission, discount and simple interest

### **Algebra**

- Write, solve and graph linear equations
- Use two-step operations to solve linear equations
- Write and solve inequalities
- Infer and use a rule to determine a missing number
- Use appropriate mathematical vocabulary and properties
- Compare integers on a number line

### **Geometry**

- Define and use appropriate geometrical vocabulary
- Use strategies to develop formulas in determining perimeter/area of triangles, rectangles/parallelograms, volume of rectangular prisms
- Find the area of parallelograms and triangles
- Find the circumference and area of circles
- Find the volume and surface area of prisms
- Classify triangles according to the angles and sides
- Understand parallel, intersecting, and perpendicular lines
- Measure an angle using a protractor
- Draw similar figures that model proportional relations
- Explore fractal patterns
- Do geometric construction, e.g. bisect a segment

## **Measurement**

- Describe how perimeter, area and volume are affected when dimensions of a figure are changed
- Use strategies to develop formulas for finding circumference and area of circles, and area of sectors
- Express solutions to the nearest unit
- Estimate length, area, volume, perimeter, circumference, area of a circle, various shapes and surfaces using everyday objects
- Make conversions within the same measurement system while performing computations
- Use indirect measurement i.e., similar triangles, to solve problems
- Data Analysis and Probability**
- Calculate the probability of independent and dependent events
- Construct a multiple line graph
- Make logical inferences from statistical data
- Calculate the odds
- Design an experiment to test a theoretical probability and explain how the results may vary
- Construct a scatter plot
- Make organized lists and tree diagrams

## **PHYSICAL EDUCATION**

### **Spiritual Emphasis**

- Recognize that God's ideal for quality living includes a health lifestyle
- Incorporate into one's lifestyle the principles that promote 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 to improve performance
- 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 and capabilities in regard to one's exercise behavior
- Identify the critical aspects of a healthy lifestyle
- Participate in moderate to vigorous physical activity in a variety of settings
- Monitor intensity of exercise
- Understand the reason for proper cool-down/warm-up techniques
- Experience enjoyment from participation in physical activities
- Begin to develop a strategy for the improvement of selected 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, e.g. AAHPERD Physical Best, Fitnessgram, President's Challenge
- Recognize physical activity as a positive opportunity for social and group interaction
- 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:** Cells, Human Body

- Describe and explain the structure and functions of the human body in terms of cells, tissues and organs
- Identify/describe development and function of the cell and its parts
- Identify common characteristics of cells
- Explain the function of the nucleus
- Distinguish between chromosomes, genes, DA, and their structure
- Identify the major skeletal, muscular, and integumentary systems
- Identify the parts and function of the respiratory, circulatory, and nervous systems
- Describe differences among atoms, elements, molecules, and compounds
- Understand the function of the five senses

##### **Health:** Human Body, Nutrition, Safety/First Aid, Natural Disasters

- Identify and describe the parts of the digestive system
- Identify and explain the importance of the excretory system
- Identify and describe the importance of basic nutrients
- Explain healthy eating practices based on the national food pyramid
- Identify nutritional goals based on national dietary guidelines
- Define eating disorders, explain how they adversely affect health
- Explain the appropriate first aid procedures to follow in case of emergencies
- Identify common safety hazards and ways to prevent injuries/accidents
- Identify safety procedures for common natural disasters

##### **Physical:** Magnetism, Electricity

- Identify characteristics of magnets and what causes magnetism
- Describe the relationship between electricity and magnetism
- Identify uses of electromagnets
- Compare and describe static and current electricity
- Identify the difference between conductors and insulators
- Describe electrical safety precautions, conservation procedures, and simple electrical transformation devices
- Identify and explain types of circuits, batteries, and simple electronic devices

##### **Earth:** Geology

- Describe Earth's structure and features
- Explain how Earth has changed over time (e.g., erosion, weathering, earthquakes)

- Explore and interpret evidences for the Genesis Flood and the Ice Age
- Describe how earthquakes are caused, volcanoes are formed, and land features created through the use of plate tectonics

- Describe the processes by which rocks and soils are formed
- Identify common rocks and minerals
- Identify and describe features of erosion and weathering

#### **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: World History from ancient times through Early Greek and Roman civilizations**

- Compare and contrast the beginnings of civilization
- Describe the achievements of ancient Egypt
- Discuss the movements of Hebrew peoples
- Identify how the beliefs of Judaism set the stage for Christ's life
- Explain the importance of early trade routes
- Describe developments of the Tang and Song Dynasties in China
- Trace voyages resulting in colonization in Asia and SW Pacific
- Study role of Greece and Medo-Persia in relationship to Daniel 7
- Trace the rise of Alexander the Great

##### **Civics and Government**

- Trace the forms of government in ancient Greece
- Outline the founding of the Persian Empire
- Identify governments in Africa, Asia, and SW Pacific
- Define, compare the citizen's role in Africa, Asia, and SW Pacific

##### **Geography**

- Explain the components and use of maps
- Locate and label all the world's continents
- Explain reasons for locations of eastern hemisphere major cities
- Identify climate regions of the eastern hemisphere
- Explain caring of natural resources

##### **Economics**

- Trace the relationship between agriculture and emergence of cities
- Describe how environment contributes to how people make a living

##### **Individuals, Society, and Culture**

- Understand the importance of developing a personal relationship with Christ
- Recognize the influence of peer relationships
- Understand how one's values and attitudes influence our choices
- Identify how various groups grow to form and affect a society
- Understand cultures change by technology and migration of people
- Compare Adventist beliefs with eastern religions and philosophies
- Examine Seventh-day Adventist global outreach

##### **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  
Sixth Grade

2009 - 2011