

## Fourth Grade 2007-2008

### BIBLE

#### Following in His Way: God the Creator, Sustainer, Friend

- Understand that the Bible contains a message for humanity
- Know the structure and divisions of the Bible
- Understand that the “Fruit of the Spirit” are an expression of God’s character
- Understand and accept the free gift of salvation
- Know importance of developing, exercising faith in Jesus
- Realize the importance of preparing for a mission and service for God
- Identify specific spiritual gifts given to N T characters
- Understand that God has a plan for everyone’s life
- Understand that expressions of adoration are an important part of worship
- Understand the importance of examining and accepting God’s unconditional love and forgiveness
- Know that worship and obedience are a natural response to God’s gift of salvation

### FINE ARTS

#### Art

- Use different media, techniques and processes to communicate ideas, experiences and stories
- Know the differences among visual characteristics and purposes of art in order to convey ideas
- Select and use subject matter, symbols and ideas to communicate meaning
- Know that the visual arts have both history and specific relationships to various cultures
- Identify specific works of art as belonging to particular cultures, times and places
- Describe how people’s experiences influence the development of specific artworks
- Identify connections between the visual arts and other disciplines in the curriculum

#### Music

- Read meter signatures (2/4, 3/4, 4/4)
- Identify staff, treble clef and measure
- Know names of lines and spaces of treble clef
- Distinguish between secular and sacred music
- Recognize rondo form (ABACA pattern)
- Recognize terms: ritardando, accelerando, allegro, andante
- Recognize how legato/staccato affect music performance
- Experience nationalistic and patriotic music
- Recognize an overture
- Identify parts of the hymnal page

### LANGUAGE ARTS

#### Viewing

- View visual media for a specific learning purpose
- Ask questions for clarification of visual media
- Recognize how impressions of visual media can influence understanding

#### Listening

- Listen to and show respect for ideas of others
- Identify false or misleading information

- Connect learning to all subjects from what is heard
- Identify persuasive messages

#### Reading

- Decode unfamiliar words
- Use punctuation clues to help read aloud
- Understand author’s purpose
- Read aloud, adjust speed of reading
- Identify figurative language
- Use word origins, derivations to understand word meanings
- Use the thesaurus to learn word meanings

#### Speaking

- Use notes, memory aids to assist in speaking effectively
- Convey clearly focused main idea and details, making connection and transition among ideas and elements

#### Visually Representing

- Generate visual media to communicate topic, context, and purpose
- Construct visual media to demonstrate specific information

#### Writing

- Write legibly in cursive with proper size and form
- Practice the writing process
- Use characteristics of good writing
- Select an organizational structure to fit purpose
- Identify and use declarative, interrogative, imperative, and exclamatory sentences
- Write business letters, invitations, and thank-you notes

### MATH

#### Number and Operations

- Understand place value through millions
- Understand concept and representation of numbers between zero - one, i.e. fractions - decimals
- Recognize representations for equivalent numbers
- Read, write and compare decimals to the hundredths
- Know equivalents in counting money
- Know how to count up to make change
- Understand how  $\times$  and  $\div$  relate to solve problems
- Interpret the meaning of a remainder in a division problem
- Memorize multiplication and division facts through 12
- Multiply a 3- and 4-digit number by a 1-digit number
- Divide using 1-digit divisor and 1- 2- or 3-digit dividend
- Multiply two 2-digit numbers
- Understand simple equivalent fractions
- Convert improper fractions to mixed numbers
- $+$  and  $-$  fractions and mixed numbers with CD
- Estimate solutions
- Understand basic concepts of LCM and GCF
- Reduce simple fractions to lowest terms
- Explore numbers less than zero by extending the number line and through familiar applications

#### Algebra

- Construct a table of values to solve problems in a mathematical relationship
- Understand how a change in one variable affects the value of another variable
- Use distributive properties
- Make and justify predictions

### Geometry

- Describe points, lines and planes
- Use columns and rows to determine position on a grid
- Use coordinate systems to specify locations
- Identify line symmetry in 3-dimensional shapes
- Create models of 3-dimensional objects
- Multiply to find area of rectangles
- Make and test conjectures about geometric properties and relationships, develop arguments to justify conclusions
- Compare similarities and differences of quadrilaterals

#### Measurement

- Measure length to the nearest  $\frac{1}{4}$  inch
- Use measures less than one unit
- Solve multi-step problems involving measurement
- Estimate and measure the perimeter of irregular shapes
- Compare the number of units to the size of units
- Draw a simple time line
- Determine elapsed time by the hour and half-hour
- Understand time zones and read timetables
- Read Celsius and Fahrenheit thermometers
- Know equivalent measures for simple metric and customary units of length, capacity, weight/mass and time
- Convert simple metric and customary units of length, capacity, weight/mass, and time
- Collect, organize data to tables/graphs with different scales
- Read and interpret data presented in circle graphs
- Conduct simple probability experiments
- Interpret and construct Venn diagrams
- Evaluate the process of data collection

### PHYSICAL EDUCATION

#### Spiritual Emphasis

- Recognize that God’s ideal for quality living includes a healthy 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 in all locomotor patterns and selected manipulative and non-locomotor skills
- Adapt a skill to the demands of a dynamic, environment
- Acquire beginning skills of specialized movement forms
- Combine movement skills in applied settings
- Apply critical elements to improve personal performance
- Use critical elements to provide feedback to others
- Recognize and apply concepts that impact the quality of increasingly complex movement performance

#### Lifestyle and Fitness

- Select and participate regularly in physical activities
- Identify the benefits derived from regular physical activity
- Identify activities that provide personal pleasure
- Identify several activities related physical fitness

- Associate results of fitness testing to personal health status and ability to perform various activities
- Meet the health-related fitness standards as defined by a fitness testing program
- Experience enjoyment participating in physical activity
- Enjoy practicing activities to increase skill competence
- Interact with friends while participating in group activities
- Use physical activity as a means of self-expression

#### **Sportsmanship and Appropriate Behaviors**

- Follow activity-specific rules, procedures and etiquette
- Utilize safety principles in activity situations
- Work cooperatively/productively with a partner, small group
- Work independently/on-task for a specified period of time
- Explore cultural/ethnic self-awareness through participation
- Recognize the attributes that individuals with difference can bring to group activities
- Experience differences and similarities among people by participating in activities of national, cultural, ethnic origins

#### **SCIENCE**

##### **Physical:** Atomic Structure/Matter

- Explain the structure of atoms as building blocks
- Identify substances as they exist in different states of matter and how they may be changed

- Distinguish between chemical/physical changes in matter

##### **Life:** Plants: Classification, Growth, Photosynthesis, Reproduction, Structure/Function

- Group, classify plants based on a variety of characteristics
- Identify conditions necessary for plant survival and growth
- Describe the steps of photosynthesis and sequence them
- Describe life cycle of a plant including pollination process
- Describe basic plant structures, systems, identify functions
- Understand ecosystems and communities and how plants adapt to survive

##### **Earth:** Environmental Use: Conservation/Ecology, Pollution

- Identify properties, uses and misuses of Earth materials
- Identify renewable and nonrenewable resources
- Explain how human activity affects the balance of nature
- Recognize that Earth materials are limited and explore strategies for addressing this problem

##### **Health:** Disease Prevention, First Aid, Community Health

- Identify sources of diseases and prevention
- Identify appropriate emergency first aid procedures
- Identify important community health care resources

##### **Scientific Inquiry**

- Make observations
- Ask questions, form hypotheses based on observations
- Plan a simple investigation
- Collect data from the investigation
- Use data collected 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:** Earth's Regions and Its People (Time, Technology, Native People, Early Settlers, National Leaders, Transportation, Holidays)

- Recognize the importance of God's global mission and the work of the Adventist church
- Understand time measurements
- Understand current events and the history, traditions and holidays of one's state, provinces and other world regions
- Know the influence of early settlers and native people in one's region and state
- Recognize cultural influences in different world regions

##### **Civics:** Ideas about Civic Life, Politics and Government

- Know the difference between power and authority
- Know the characteristics of an effective law, understand the consequences of the absence of government and laws
- Understand the role of diversity and the importance of shared values in the United States
- Understand components of state government, constitution
- Know the importance of Christian citizenship
- Develop responsibility through good decision making
- Understand the roles of volunteerism and organized groups in American social and political life

##### **Geography:** Geographic Features, Patterns of Environment

- Know the basic elements of maps and globes
- Use a globe to clarify knowledge of the earth
- Use charts and maps to show the physical and human characteristics of one's state
- Know characteristics of other regions of the United States
- Know how the characteristics of places are shaped by physical and human processes
- Understand how climate, weather effects earth's surface

##### **Economics**

- Understand responsibilities of Christian stewardship in a global economy
- Know which goods/services are produced, delivered and shared in various regions; know why people produce them
- Know how the production of goods and services affects the environment
- Understand that limited resources make economic choices necessary
- Learn how technology impacts the world through inventors/inventions

#### **TECHNOLOGY**

- Demonstrate proper use and care of computers and other audio-visual equipment
- Practice using the keyboard
- Become familiar with proper computer terms
- Use computers to express ideas with drawing, multi-media and word processing software
- Learn file management
- Learn about technology related occupations
- Use appropriate input/output devices
- Begin troubleshooting for basic malfunctions
- Become aware of copyright issues
- Practice courtesy and respecting of computer time



## **Killeen Adventist Junior Academy**

*A Christian School operated by the Seventh-Day Adventist Church*

## **KEY LEARNINGS Fourth Grade**

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