

## KEY LEARNINGS: FIRST GRADE

2009-2011

### BIBLE

**Belonging to His Family:** The Heavenly Family, Families of the Bible and the Church

- Understand that studying the Bible leads to understanding God
- Begin to be familiar with the way the Bible is organized
- Identify the “three-in-one” members of the God family, and their individual ministry
- Understand that God is worthy of adoration and trust
- Know that God is the creator, and still loves and cares for individuals
- Understand that before the Fall, Adam and Eve lived in the perfect light of God’s presence
- Know that eternal death is the consequence of sin
- Identify spiritual gifts given to Old Testament Bible characters
- Know the story of how the Seventh-day Adventist church began
- Understand the importance of being an active witness for Jesus
- Understand Jesus will reunite all families who love Him

### FINE ARTS

**Art** - Consult the *NAD Fine Arts Curriculum Guide* for suggested activities to meet these objectives.

- 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

- Maintain a steady beat
- Understand the value of half and quarter notes
- Write note heads around a line and in a space
- Identify and play pitched and un-pitched classroom instruments
- Sing songs with simple accompaniment patterns
- Recognize the AB pattern
- Recognize difference in tones of human voices
- Identify band instruments by family (brass, woodwind, percussion) and their sounds
- Learn hymns of praise

### LANGUAGE ARTS

#### Extended Reading and Writing

- Meet teacher/student set goals for reading at home and school
- Understand concept of print: front/back, top/bottom, left/right, word, title, different punctuations
- Recognize and read grade appropriate sight words
- Read silently for pleasure
- Recognize and write first and last names
- Meet teacher/student set goals for writing
- Print from left to right
- Correctly form numbers 0-9
- Write legibly in manuscript with proper form and size

#### Comprehending, Studying, and Evaluating Ideas

- Sequence events
- Generate titles for writing
- Write stories based on predictable text
- Retell or take notes using story structure
- Analyze and compare characters and issues
- Write paragraphs with main ideas and details

**Reference Skills**

- Alphabetize words by first letter

**Word Study**

- Recognize rhyming words
- Write upper and lower case letters
- Recognize alphabet sequence
- Hear, read, and write words with initial sounds
- Hear, read, and write words with diagraphs
- Recognize sound-letter associations
- Recognize and read CVC words
- Read and spell short vowel words
- Read, spell and write words with silent e
- Read, spell and understand base words with inflectional endings: -ed, -ing, silent e based words, CVC base words
- Read and write plurals: -s and -es
- Divide words into syllables

**Sentence Skills**

- Edit for ending: periods, question marks
- Edit for capitalization: beginning of sentences, names, I
- Edit for subject-verb agreement
- Edit for possessives

**MATH****Number and Operations**

- Count, write and understand numbers 0 to 100
- Count by twos, fives, tens and twenty-fives to 100
- Skip count by tens e.g. 17, 27, 37 ...
- Connect numbers to the qualities they represent using various models and representations
- Understand place value of tens and ones
- Explore the concept of zero
- Compare numbers using symbols  $>$ ,  $<$  and  $=$
- Understand the meaning of addition and subtraction and relate to appropriate symbols
- Understand basic addition and subtraction fact families
- Develop a counting strategy for addition and subtraction facts to 20
- Memorize addition with sums to 12 and related subtraction facts
- Add and subtract 1- and 2-digit numbers, with no renaming
- Understand basic fractions, e.g. halves, thirds and fourths
- Read number words to ten
- Understand and use a number line

**Algebra**

- Recognize and express expanding and repeating math patterns - orally and with manipulatives
- Identify properties of patterns; create and describe using letters and symbols
- Use variables and open sentences to express relationships e.g. missing numbers in number sentences using symbols to represent missing numbers
- Use the commutative property and solve number sentences with numbers and symbols

**Geometry**

- Describe attributes and parts of 2- and 3-dimensional objects
- Describe shapes from different perspectives, e.g. front, back, top, bottom and side
- Apply ideas about direction and space
- Recognize and apply slides, flips and turns
- Recognize rectangles and spheres
- Recognize sides and corners of shapes
- Recognize geometric shapes and structures in the environment

- Recognize and draw a line of symmetry in objects
- Copy figures and draw simple 2-dimensional shapes from memory

**Measurement**

- Identify and recognize various measurable attributes of an object
- Estimate and measure length, weight, volume and mass using nonstandard and standard units
- Compare objects in terms of length, area, capacity and weight
- Recognize and explain the need for measuring tools and fixed units
- Order sequence of events with respect to time, e.g. seasons; morning, afternoon, night; o'clock
- Know the number of minutes in an hour
- Tell time to the hour and half hour using both digital and analog clocks
- Identify pennies, nickels, dimes, quarters, half-dollars and dollars
- Determine the value of a set of coins to \$1.00
- Determine the equivalent value of coins to \$1.00 e.g. 10 dimes, 4 quarters, etc.
- Know and name the twelve months of the year

**Data Analysis and Probability**

- Use whole number units to construct graphic representations
- Understand information represented in simple bar graphs, line graphs and pictographs
- Collect first-hand information by conducting surveys, measuring & performing simple experiments
- Collect and organize data into charts using tally marks

**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 skipping, hopping, galloping and sliding
- Demonstrate mature patterns in simple combinations, e.g. dribbling a ball while running
- Demonstrate smooth transitions between sequential motor skills, e.g. running into a jump
- Exhibit the ability to adapt and adjust movement skills to uncomplicated, yet changing, environmental conditions and expectations, e.g. tossing a ball to a moving partner, rising and sinking while twisting, using different rhythms
- Demonstrate control in traveling activities (e.g. skipping, hopping, running) and weight bearing and balance activities on a variety of body parts
- Identify the critical element/s (technique/s) of basic movement patterns
- Apply movement concepts to a variety of basic skills
- Use feedback to improve performance

**Lifestyle and Fitness**

- Experience and express pleasure from participation in physical activity
- Identify at least one activity associated with each component of health-related physical activity, e.g. flexibility, muscular endurance, muscular strength, cardio-vascular endurance and body composition
- Engage in sustained physical activity that causes an increased heart rate and heavy breathing
- Recognize the physiological indicators that accompany moderate to vigorous physical activity, e.g. sweating, increased heart rate, heavy breathing
- Know how to measure heart rate
- Identify the components of health-related physical fitness
- Gain competence which will provide increased enjoyment in movement
- Try new activities

## FIRST GRADE, PHYSICAL EDUCATION continued

2009-2011

- Express feelings about and during physical activity
- Enjoy interaction with friends through physical activity

### **Sportsmanship and Appropriate Behaviors**

- Apply rules, procedures and safe practices with little or no reinforcement
- Follow directions
- Work cooperatively with others to complete an assigned task
- Play and cooperate with others regardless of personal differences, e.g. gender, ethnicity, disability
- Treat others with respect during play
- Resolve conflicts in socially acceptable ways
- Practice Christ-like principles in interactions with others

## **SCIENCE**

### **Life:** Living Things

- Describe the life cycle of animals
- Describe characteristics of amphibians, reptiles, birds and fish
- Describe traits common to all animals

### **Health:** Mental, Emotional, and Family Health

- Identify important personal values
- Understand the importance of making appropriate decisions based on personal values
- Understand that God's love is unconditional
- Identify emotions and share feelings in appropriate ways
- Use habits and practices that affect family health
- Explain God's plan for family units

### **Physical:** Heat, Energy/Waves, Sound, Light

- Define heat and how it affects matter
- Define conduction and convection
- Define energy and a wave
- Describe the features of waves
- Explain how sound is produced
- Analyze how sound travels
- Identify the speed of light
- Explain how light absorption affects the color of objects
- Explain how a laser works
- Describe how a sound wave is different from a light wave

### **Earth:** Meteorology (Weather Elements, Climate, Seasons, Atmosphere, Water Cycle)

- Define meteorology, basic weather symbols and instruments
- Identify elements of weather
- Explain how land forms and large bodies of water affect climate
- Explain the change of seasons
- Describe the water cycle including precipitation, condensation, and cloud formation
- Show examples of the earth's atmosphere
- Understand God as the Creator and Sustainer of the Universe

### **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 and Career Options**

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

**SOCIAL STUDIES****History**

Chronological Thinking:

- Sequentially order school events

Historical Knowledge:

- Compare past and present family and daily life
- Identify celebrations and holidays
- Listen to and retell stories about people in the past

**Civics and Government**

Foundations of Government:

- Give examples of people who make and enforce rules

Functions of Government:

- Identify rules and laws and why they exist

Roles of Citizens:

- Recite and explain the meaning of the Pledge of Allegiance
- Understand that voting is a way of making decisions
- Explain the national and patriotic symbols of your country
- Identify civic virtues that are needed to be a good citizen

**Geography**

Maps, Globes, and Graphics:

- Describe differences between a map and a globe
- Understand how to read a simple map

Places:

- Locate your country on a globe
- Learn home address

Climate:

- Describe effects of seasonal changes
- Identify types of weather

Natural Resources and Environment:

- List examples of natural resources
- Tell how resources are gifts from God

**Economics**

Work and Workers:

- Identify the specialized work that people do
- Acquire knowledge, attitudes, and skills essential to meeting family responsibilities

Commerce:

- Understand that workers earn money to provide needs and wants
- Explain why wanting more than they can have requires that people make choices

Stewardship:

- Describe and illustrate the value of tithing and returning offerings

**Individuals, Society, and Culture**

Individual:

- Understand the importance of developing a personal relationship with Christ
- Understand the importance of fairness and honesty
- Recognize that we are all God's children

Society:

- Respect the similarities and differences in families

Culture:

- Understand the celebration of holidays

Mission/Outreach:

- Participate in age appropriate outreach/service projects

**TECHNOLOGY**

- Demonstrate proper use and care of computers
- Begin learning basic keyboarding and computer terms
- Use computers to express ideas with drawing and word processing software
- Learn about the role of technology in business and the home
- Learn about technology related occupations
- Practice courtesy and sharing of computer time