KEY LEARNINGS: FIRST GRADE

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
FIRST GRADE, MATH continued
• 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

- 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