



Bronx-Manhattan Seventh-Day Adventist School

1440 Plimpton Avenue – Bronx, NY 10452

Telephone: (718)588-7598 Fax: (718)588-1052

Web: www.bmsdaschool.org

Mrs. Sanchez - 1st & 2nd Grade

SCIENCE LONG RANGE LESSON PLANS

GRADES 1st & 2nd

2026-2027

**Our curriculum is based on North American
Division Standards &
New York State Standards**

Mrs. Sanchez



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Science - Long Range Plan

Resources:

- By Design Science
- The Bible

September:

Unit 1: Life Science

Chapter 1: Plants and Animals

- **NY State Standard:**
 - **2-LS4-1:** Make observations of plants and animals to compare the diversity of life in different habitats.
- **NAD Spiritual Standard:**
 - **God's Creation:** "Recognizes God as the Creator and Sustainer of the universe."
(S.S.2.1)
- **Skills:**
 - Observing and comparing plant and animal characteristics.
 - Identifying habitats of various plants and animals.
- **Topics:**
 - Types of plants and animals.
 - Diversity of life in different habitats.
- **Activities:**
 - Nature walk to observe plants and animals.
 - Classroom terrarium setup for plant and animal observation.
- **Assessments:**
 - Plant and animal habitat comparison chart.
 - Oral presentations on observed plants and animals.

October:

Unit 1: Life Science

Chapter 2: Plants and Animals Live Together

- **NY State Standard:**
 - **2-LS2-1:** Plan and conduct an investigation to determine if plants need sunlight and water to grow.



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- **NAD Spiritual Standard:**

- **Interdependence in Creation:** "Understands the interdependence of all life created by God." (**S.S.2.2**)

- **Skills:**

- Understanding plant and animal interdependence.
- Investigating plant needs.

- **Topics:**

- Ecosystems and interdependence.
- Plant growth requirements.

- **Activities:**

- Plant growth experiment (water vs. no water, light vs. no light).
- Animal and plant relationships (pollination and seed dispersal).

- **Assessments:**

- Science journal entries on plant growth observations.
- Quiz on plant and animal interdependence.

November:

Unit 1: Life Science

Chapter 3: Food and Your Body

- **NY State Standard:**

- **2-LS4-1:** Analyze the interdependence of organisms in an ecosystem.

- **NAD Spiritual Standard:**

- **Healthy Living:** "Appreciates the role of nutrition in maintaining the body as God's temple." (**S.S.2.4**)

- **Skills:**

- Identifying the major food groups.
- Understanding how food is used for growth and energy.

- **Topics:**

- Nutrition and food groups.
- The digestive system and body energy.

- **Activities:**

- Create a balanced meal plan.
- Explore how the body processes food through digestion.

- **Assessments:**

- Group project: Design a healthy meal.
- Quiz on food groups and digestion.



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December:

Unit 2: The Human Body

Chapter 4: Body and Mind

- **NY State Standard:**
 - **2-PS1-1:** Describe how different parts of the body work together.
- **NAD Spiritual Standard:**
 - **Mind and Body:** "Recognizes the connection between a healthy body and a sound mind as part of God's plan." (**S.S.2.5**)
- **Skills:**
 - Understanding the relationship between body and mind.
 - Exploring brain functions.
- **Topics:**
 - Brain function and body control.
 - Healthy habits for mind and body.
- **Activities:**
 - Brain-body coordination activities (e.g., balance exercises).
 - Class discussion on healthy thinking and positive habits.
- **Assessments:**
 - Student journal on mind-body connection experiences.
 - Oral quiz on body and mind functions.

January:

Unit 2: The Human Body

Chapter 5: Keeping Your Body Safe and Healthy

- **NY State Standard:**
 - **2-LS1-1:** Use materials to design a solution that mimics how the human body protects itself.
- **NAD Spiritual Standard:**
 - **Care for the Body:** "Understands the importance of keeping the body, God's temple, safe and healthy." (**S.S.2.6**)
- **Skills:**
 - Identifying safety and health practices.
 - Understanding body defenses (e.g., skin and immune system).
- **Topics:**
 - Hygiene, safety, and first aid.
 - The immune system and body defenses.



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- **Activities:**

- Create a "safety and health" booklet.
- Role-play scenarios on safety and hygiene.

- **Assessments:**

- Safety and hygiene quiz.
- Group project: Safety posters.

February:

Unit 3: Earth and Space Science

Chapter 6: Earth's Land, Air, and Water

- **NY State Standard:**

- **2-ESS2-2:** Develop a model to represent the shapes and kinds of land and bodies of water in an area.

- **NAD Spiritual Standard:**

- **Stewardship of Earth:** "Recognizes our responsibility as stewards of God's creation." (**S.S.2.7**)

- **Skills:**

- Identifying landforms and bodies of water.
- Understanding the water cycle.

- **Topics:**

- Landforms (mountains, valleys, plains).
- Bodies of water (lakes, rivers, oceans).
- The water cycle.

- **Activities:**

- Model making of landforms and water bodies.
- Water cycle demonstration.

- **Assessments:**

- Quiz on landforms and water bodies.
- Water cycle diagram worksheet.

March:

Unit 3: Earth and Space Science

Chapter 7: Weather and Seasons

- **NY State Standard:**

- **2-ESS2-3:** Obtain information to identify where water is found on Earth and that it can be solid or liquid.

- **NAD Spiritual Standard:**



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- **Appreciation of Seasons:** "Sees the changing seasons as part of God's orderly creation." (**S.S.2.8**)
- **Skills:**
 - Understanding weather patterns.
 - Identifying different seasons and their characteristics.
- **Topics:**
 - Weather changes and effects.
 - Seasons and their impact on the environment.
- **Activities:**
 - Weather tracking charts.
 - Group discussions on the importance of seasons.
- **Assessments:**
 - Season identification quiz.
 - Weather tracking presentation.

April:

Unit 3: Earth and Space Science

Chapter 8: Space Science

- **NY State Standard:**
 - **2-ESS1-1:** Use observations of the sun, moon, and stars to describe patterns that can be predicted.
- **NAD Spiritual Standard:**
 - **Wonder of the Universe:** "Marvels at the vastness and precision of God's creation in space." (**S.S.2.9**)
- **Skills:**
 - Observing patterns in the sky.
 - Understanding the relationship between the Earth, sun, moon, and stars.
- **Topics:**
 - The sun, moon, and stars.
 - Earth's rotation and revolution.
- **Activities:**
 - Night sky observation journal.
 - Class discussion on space exploration.
- **Assessments:**
 - Quiz on the solar system.
 - Space observation presentation.



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May:

Unit 4: Physical Science

Chapter 9: Properties of Matter

- **NY State Standard:**
 - **2-PS1-1:** Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
- **NAD Spiritual Standard:**
 - **God's Design:** "Recognizes the intricate design of matter by the Creator." (S.S.2.10)
- **Skills:**
 - Classifying materials based on their properties.
 - Understanding states of matter.
- **Topics:**
 - Properties of solids, liquids, and gasses.
 - Physical changes in matter.
- **Activities:**
 - Class experiments on states of matter.
 - Classify objects by material properties.
- **Assessments:**
 - Matter properties worksheet.
 - States of matter quiz.

June:

Unit 4: Physical Science

Chapter 10: Energy and Machines

- **NY State Standard:**
 - **2-PS1-3:** Analyze data to determine which materials have the properties that are best suited for an intended purpose.
- **NAD Spiritual Standard:**
 - **God's Power:** "Understands how energy and machines are gifts from God to help mankind." (S.S.2.11)
- **Skills:**
 - Identifying different types of energy.
 - Understanding the uses of simple machines.



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● **Topics:**

- Types of energy (heat, light, sound).
- Simple machines (levers, pulleys,