

SECOND GRADE SCIENCE
1st QUARTER PLAN

STANDARD: LIVING THINGS GROW AND CHANGE

TOPIC: PLANTS GROW AND CHANGE, ANIMALS GROW AND CHANGE, PEOPLE GROW AND CHANGE

Week	Performance Objectives	Performance Indicators	SA	TA
1	Distinguish between living organisms and nonliving objects.	I can identify and compare living and nonliving things.		
	Compare living organisms and nonliving objects.	I can compare living things to nonliving things.		
	Identify sunlight, air, nutrients, and water as things plants need to grow.	I can observe plants and identify what plants need to grow.		
	Observe and describe ways a plant maybe affected by its environment.	I can observe and describe ways a plant maybe affected by its surroundings.		
2	Observe plants to determine how they are alike and different.	I can observe plants how they are alike and different.		
		I can identify the plants that are alike and different in different places.		
3	Describe how animals are alike and different.	I can describe how animals are alike and different.		
	Identify characteristics for classifying animals.	I can classify the animals according to their characteristics.		
4	Analyze and describe the sequence of events of the life cycles of a bird and a mammal.	I can understand and describe the sequence of events of the life cycles of an animal.		
	Recognize that animals grow to resemble their parents.	I can compare the young animals to their parents.		
5	Describe the many ways people grow and change during their lives.	I can describe the many ways people grow and change during their lives.		
	Compare how many people are alike and different in different stages of life.	I can compare how many people are alike and different in different stages of life.		
6	Understand how the bones and muscles work together to move the body.	I can understand how the bones and muscles work together to move the body.		
	Explain the importance of exercise and healthful foods to keep bones and muscles healthy.	I can explain the importance of exercise and healthful foods to keep bones and muscles healthy.		

7	Describe how the heart and lungs work together to carry oxygen to all the body parts.	I can describe how the heart and lungs work together to carry oxygen to all the body parts.		
	Understand the exercise makes the heart and lungs stronger and healthier.	I can understand the exercise makes the heart and lungs stronger and healthier.		
8	Describe the process of digestion.	I can describe the process of digestion.		
	Understand the importance of eating a balanced, healthful diet.	I can understand the importance of eating a balanced, healthful diet.		

*** END OF 1ST QUARTER***

SECOND GRADE- SCIENCE 2
2ND QUARTER PLAN

STANDARD: Students will learn how do people use rocks and soil, how people use plants, how do people use water. They will learn what is a fossil, what have scientists learned from fossils and what have scientists learned from dinosaurs.

TOPIC: EXPLORING EARTH'S SURFACE

Week	Performance Objectives	Performance Indicators	SA	TA
1	Identify rocks and soil as natural resources and people use.	I can identify rocks and soil as natural resources and people use.		
	Describe ways in which people use rocks and soil.	I can describe ways in which people use rocks and soil.		
	Identify plants as a natural resource.	I can identify plants as a natural resource.		
2	Describe ways in which people use plants.	I can describe ways in which people use plants		
	Recognize that living things need water to live and grow.	I can recognize that living things need water to live and grow.		
	Give examples of ways people use water.	I can give examples of ways people use water.		
3	Explain how some kinds of fossils are made.	I can explain how some kinds of fossils are made.		
	Describe what fossils are and where they are found.	I can describe what fossils are and where they are found.		
	Describe how scientist collect and reconstruct fossils.	I can describe how scientist collect and reconstruct fossils.		
4	Explain what scientists learn from fossils.	I can explain what scientists learn from fossils.		
	Give examples of different kinds of dinosaurs.	I can give examples of different kinds of dinosaurs.		

STANDARD: Students will learn what are stars and planets, what causes day and night, what causes the seasons how does the moon changes.

TOPIC: SPACE AND WEATHER

Week	Performance Objectives	Performance Indicators	SA	TA
5	Identify and compare stars and planets.	I can identify and compare stars and planets.		
	Identify a group of stars as a constellation.	I can identify a group of stars as a constellation.		
	Identify characteristics of the sun.	I can identify characteristics of the sun.		
6	Compare day and night. Describe how they occur.	I can compare day and night. Describe how they occur.		
	Describe how Earth orbits the sun.	I can describe how Earth orbits the sun.		
	Identify the causes of seasons on Earth.	I can identify the causes of seasons on Earth.		
7	Demonstrate how the reflection of the sun's light enables us to see the moon.	I can demonstrate how the reflection of the sun's light enables us to see the moon.		
	Explain how sunlight and the moon's orbit around Earth make the moon appear to change the shape.	I can explain how sunlight and the moon's orbit around Earth make the moon appear to change the shape.		

***** END OF 2ND QUARTER*****

**SECOND GRADE- SCIENCE 2
3RD QUARTER PLAN**

STANDARD: Students will learn what is matter, what can we find out about solids, what can we find out about liquids, what can we find out about gases.

TOPIC: EXPLORING MATTER

Week	Performance Objectives	Performance Indicators	SA	TA
1	Identify and describe properties of matter.	I can identify and describe properties of matter.		
2	Identify three forms of matter- solids, liquids, and gases.	I can identify three forms of matter- solids, liquids, and gases.		
3	Compare solids and describe how they are alike and different.	Compare solids and describe how they are alike and different.		

	Identify two ways to measure solids.	I can identify two ways to measure solids.		
	Identify the two properties all liquids have.	I can identify the two properties all liquids have.		
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5	Identify the ways to measure liquids.	I can identify the ways to measure liquids.		
6	Recognize the properties of a gas.	I can recognize the properties of a gas.		
7	Identify ways to measure gas.	I can identify ways to measure gas.		

*** END OF 3RD QUARTER***

**SECOND GRADE- SCIENCE 2
4TH QUARTER PLAN**

STANDARD: Students will learn what happens when you mix matter, how can water change, and what other ways does matter change.

TOPIC: EXPLORING MATTER

Week	Performance Objectives	Performance Indicators	SA	TA
1	Observe how cutting, shaping, and mixing change matter.	I can observe how cutting, shaping, and mixing change matter		
	Describe how happens when matter is cut or mixed.	I can describe how happens when matter is cut or mixed.		
	Recognize that water can be solid, liquid, or gas.	I can recognize that water can be solid, liquid, or gas.		
2	Describe how water can be made to change from one state to another.	I can describe how water can be made to change from one state to another.		
	Identify some changes in matter that are irreversible.	I can identify some changes in matter that are irreversible.		

STANDARD: Students will learn what are forces, how do magnets work, how can we measure motion

TOPIC: ENERGY IN MOTION

Week	Performance Objectives	Performance Indicators	SA	TA
3	Recognize a force as something that pushes or pulls on an object to make it move.	I can recognize a force as something that pushes or pulls on an object to make it move.		

	Identify that a force is use to change the location of an object that the direction it is moving.	I can identify that a force is use to change the location of an object that the direction it is moving.		
	Describe which poles of magnets attract and repel each other.	I can describe which poles of magnets attract and repel each other.		
4	Give examples of ways magnets are used.	I can give examples of ways magnets are used.		
	Recognize that weight, friction and distance affect the force needed to move objects.	I can recognize that weight, friction and distance affect the force needed to move objects.		
	Explain how to measure motion.	I can explain how to measure motion.		
5	Explain what makes sound.	I can explain what makes sound.		
	Identify the body parts people use to make and hear sound.	I can identify the body parts people use to make and hear sound.		
6	Identify sounds as being either loud or soft.	I can identify sounds as being either loud or soft.		
	Identify sounds as being either high or low.	I can identify sounds as being either high or low.		
7	Recognize that sound travels through the three forms of matter: gases, liquids, and solids.	I can recognize that sound travels through the three forms of matter: gases, liquids, and solids.		
	Identify animals that use sound to locate objects and to communicate with one another under water.	I can identify animals that use sound to locate objects and to communicate with one another under water.		
8	Describe ways to change the pitch of sound.	I can describe ways to change the pitch of sound.		
	Explain what causes the loudness of a sound to change.	I can explain what causes the loudness of a sound to change.		
*** END OF 4 TH QUARTER***				