



DOYEN PUBLISHERS

SCHEMES OF WORK TERM II 2025

GRADE 4 SCIENCE AND TECHNOLOGY

Wk	NSI	strand	Sub-strand	Specific Learning Outcomes	Learning Experiences	Key Inquiry Question(s)	Learning Resources	Assessment Methods	Refl
1	1	MATTER	Properties of matter – Meaning of matter	By the end of the lesson, the learner should be able to: a. State the meaning of matter b. Analyze the various states of matter. c. appreciate the importance of matter.	● brainstorm on the meaning of matter and identify its different states (solid, liquid and gases),	What are the properties of matter?	Water in glass, a book, a stick, a stone, air in ballon, Science and technology Grade 4 Learners Bk. Pg. 52-57	Group discussions Question and answer demonstration	
	2		States of matter - Solid	By the end of the lesson, the learner should be able to: a. state the meaning of matter. b. Categorize substances as solids. c. appreciate the importance of matter.	● collect and group different substances from the environment into the three states of matter collaboratively,	What are the properties of matter?	Water in glass, a book, a stick, a stone, air in ballon, Science and technology Grade 4 Learners Bk. Pg. 58	Group discussions Question and answer demonstration	
	3		States of matter - Liquid	By the end of the lesson, the learner should be able to: a. state the three states of matter b. Categorize substances as liquids. c. appreciate the importance of matter.	● collect and group different substances from the environment into the three states of matter collaboratively,	What are the properties of matter?	Water in glass, a book, a stick, a stone, air in ballon, Science and technology Grade 4 Learners Bk. Pg. 58	Group discussions Question and answer demonstrations	



a.	4		States of matter - Gases	By the end of the lesson, the learner should be able to: b. state the three states of matter c. Categorize substances as Gases. appreciate the importance of matter	● collect and group different substances from the environment into the three states of matter collaboratively,	What are the properties of matter?	Water in glass, a book, a stick, a stone, air in ballon, Science and technology Grade 4 Learners Bk. Pg. 58	Group discussions Question and answer demonstrations	
2	1		Properties of matter - Solid	By the end of the lesson, the learner should be able to: a. describe the properties of solids as a state of matter b. Demonstrate the properties of solids. c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Solids. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 87-89 New Planet Scie & Tech Grd 6 Learners Bk. pg. 91-94	Observation Written questions	
	2		Properties of matter - Solid	By the end of the lesson, the learner should be able to: a. describe the properties of solids as a state of matter b. Demonstrate the properties of solids. c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Solids. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 87-89 New Planet Scie & Tech Grd 6 Learners Bk. pg. 91-94	Observation Written questions	
	3		Properties of matter - Solid	By the end of the lesson, the learner should be able to: a. describe the properties of solids as a state of matter b. Demonstrate the properties of solids. c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Solids. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 87-89 New Planet Scie &	Observation Written questions	



	4		Properties of matter - Liquid	By the end of the lesson, the learner should be able to: a. describe the properties of Liquids as a state of matter b. Demonstrate the properties of liquids. c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Liquids. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 89-90 New Planet Scie & Tech Grd 6 Learners Bk. pg. 94-95	Observation Written questions	
3	1		Properties of matter - Liquid	By the end of the lesson, the learner should be able to: a. describe the properties of Liquids as a state of matter b. Demonstrate the properties of liquids. c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Liquids. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 89-90 New Planet Scie & Tech Grd 6 Learners Bk. pg. 94-95	Observation Written questions	
	2		Properties of matter - Liquid	By the end of the lesson, the learner should be able to: a. describe the properties of Liquids as a state of matter b. Demonstrate the properties of liquids. c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Liquids. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 89-90 New Planet Scie & Tech Grd 6 Learners Bk. pg. 94-95	Observation Written questions	
	3		Properties of matter - Gases	By the end of the lesson, the learner should be able to: a. describe the properties of Gases as a state of matter b. Demonstrate the properties of Gases	● carry out activities to demonstrate the properties of Gases. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 91-92 New Planet	Observation Written questions	



				e. appreciate the importance of matter.			Scie & Tech Grd 6 Learners Bk. pg. 96-97		
	4		Properties of matter - Gases	By the end of the lesson, the learner should be able to: a. describe the properties of Gases as a state of matter b. Demonstrate the properties of Gases c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Gases. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 91-92 New Planet Scie & Tech Grd 6 Learners Bk. pg. 96-97	Observation Written questions	
4	1		Properties of matter - Gases	By the end of the lesson, the learner should be able to: a. describe the properties of Gases as a state of matter b. Demonstrate the properties of Gases c. appreciate the importance of matter.	● carry out activities to demonstrate the properties of Gases. (shape, volume and mass) with peers,	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 91-92 New Planet Scie & Tech Grd 6 Learners Bk. pg. 96-97	Observation Written questions	
	2		Importance of matter	By the end of the lesson, the learner should be able to: a. Discuss the importance of Matter. b. Watch a video clip on the importance of Matter. c. appreciate the importance of the different states of matter in day-to-day life.	● discuss the importance of the different states of matter in day-to-day life, ● where possible use digital devices to observe the characteristics of the three states of matter.	What are the properties of matter?	Notebooks, pens, metallic ring, metallic ball, water New Planet Scie & Tech Grd 6 TG pg. 92-94 New Planet Scie & Tech Grd 6 Learners Bk. pg. 97-99	Observation Written questions	



3	Management of solid waste	Types of solid wastes - decomposing	By the end of the lesson, the learner should be able to: a. identify the types of wastes. b. classify solid waste into decomposable c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • identify solid waste in the environment with peers, • discuss the meaning of decomposable solid waste, • collect solid waste in the school, sort and classify them into decomposing collaboratively,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 56-57 • Super minds G5 Scie. and Tech TG Pg. 60-61 	question and answer method, class quizzes individual performance assessment and d) project work	
4		Types of solid wastes – nondecomposing	By the end of the lesson, the learner should be able to: a. identify the types of wastes. b. classify solid waste into nondecomposable c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • discuss the meaning of non decomposable solid waste, • collect solid waste in the school, sort and classify them into non-decomposing collaboratively,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 56-57 • Super minds G5 Scie. and Tech TG Pg. 60-61 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	
5	1	Dangers of solid wastes - animals	By the end of the lesson, the learner should be able to: a. state the two types of wastes. b. describe the dangers of solid waste to the environment, c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • discuss the dangers of solid waste to the environment and present in class,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 56-57 • Super minds G5 Scie. and Tech TG Pg. 60-61 	question and answer method, class quizzes individual performance assessment and d) project work	



2		Dangers of solid wastes - plants	By the end of the lesson, the learner should be able to: a. state the two types of wastes. b. describe the dangers of solid waste to the environment, c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • discuss the dangers of solid waste to the environment and present in class,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 56-57 • Super minds G5 Scie. and Tech TG Pg. 60-61 	question and answer method, class quizzes individual performance assessment and project work	
3		Dangers of solid wastes – human beings	By the end of the lesson, the learner should be able to: a. state the two types of wastes. b. describe the dangers of solid waste to the environment, c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • discuss the dangers of solid waste to the environment and present in class,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 56-57 • Super minds G5 Scie. and Tech TG Pg. 60-61 	question and answer method, class quizzes individual performance assessment and d) project work	
4		Dangers of solid wastes – aquatic life	By the end of the lesson, the learner should be able to: a. state the two types of wastes. b. describe the dangers of solid waste to the environment, c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • discuss the dangers of solid waste to the environment and present in class,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 56-57 • Super minds G5 Scie. and Tech TG Pg. 60-61 	question and answer method, class quizzes individual performance assessment and d) project work	



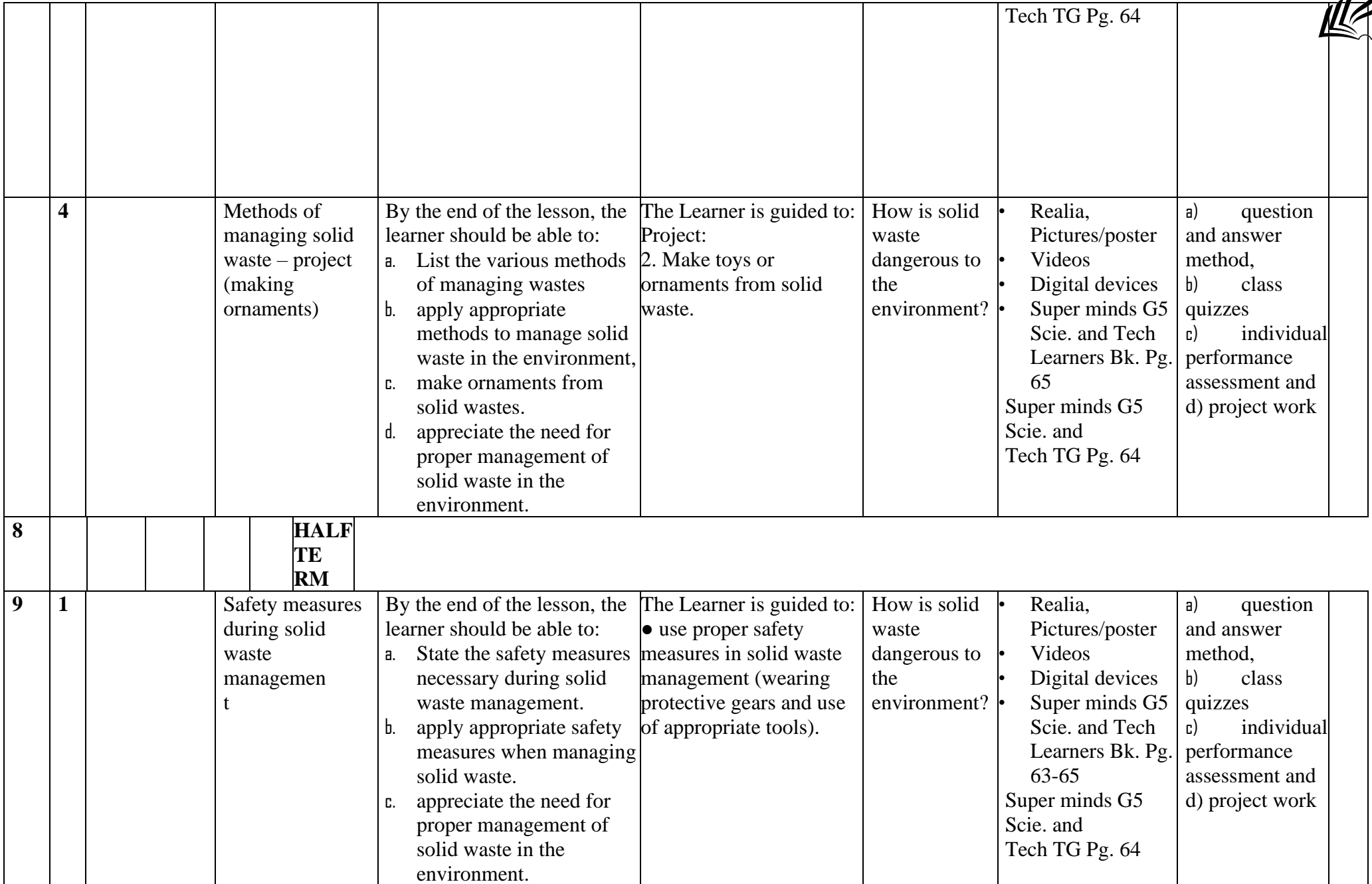
6	1		Managing wastes in various places – reusing and recycling	By the end of the lesson, the learner should be able to: a. describe the various methods of managing wastes b. apply appropriate methods to manage solid waste in the environment, c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • where possible, use digital devices or print media to access and observe ways of managing different types of solid waste. • discuss methods of managing different types of waste in their environment (To include Re-using, Recycling), Hint: Include common waste in school and environment such as kitchen, animal waste, plastics, e-waste, metals and glasses,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 59-62 • Super minds G5 Scie. and Tech TG Pg. 62-63 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	
	2		Managing wastes in various places - reducing	By the end of the lesson, the learner should be able to: a. describe the various methods of managing wastes b. apply appropriate methods to manage solid waste in the environment, c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • where possible, use digital devices or print media to access and observe ways of managing different types of solid waste. • discuss methods of managing different types of waste in their environment (To include Reducing), Hint: Include common waste in school and environment such as kitchen, animal waste, plastics, e-waste, metals and glasses,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 59-62 • Super minds G5 Scie. and Tech TG Pg. 62-63 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	



3		Methods of managing solid waste – project (making dustbins)	By the end of the lesson, the learner should be able to: a. List the various methods of managing wastes b. apply appropriate methods to manage solid waste in the environment, c. collect locally available materials for making dustbins. d. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: Project: 1. Learners to make dust bins for safe disposal of waste at home and in school using locally available materials,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 65 • Super minds G5 Scie. and Tech TG Pg. 64 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	
4		Methods of managing solid waste – project (making dustbins)	By the end of the lesson, the learner should be able to: a. List the various methods of managing wastes b. apply appropriate methods to manage solid waste in the environment, c. make a dustbin using locally available resources. d. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: Project: 1. Learners to make dust bins for safe disposal of waste at home and in school using locally available materials,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 65 • Super minds G5 Scie. and Tech TG Pg. 64 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	



7	1		Methods of managing solid waste – project (making dustbins)	By the end of the lesson, the learner should be able to: a. List the various methods of managing wastes b. apply appropriate methods to manage solid waste in the environment, c. make a dustbin using locally available resources. d. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: Project: 1. Learners to make dust bins for safe disposal of waste at home and in school using locally available materials,	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 65 • Super minds G5 Scie. and Tech TG Pg. 64 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	
	2		Methods of managing solid waste – project (making ornaments)	By the end of the lesson, the learner should be able to: a. List the various methods of managing wastes b. apply appropriate methods to manage solid waste in the environment, c. make ornaments from solid wastes. d. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: Project: 2. Make toys or ornaments from solid waste.	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 65 • Super minds G5 Scie. and Tech TG Pg. 64 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	
	3		Methods of managing solid waste – project (making ornaments)	By the end of the lesson, the learner should be able to: a. List the various methods of managing wastes b. make ornaments from solid wastes. c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: Project: 2. Make toys or ornaments from solid waste.	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 65 • Super minds G5 Scie. and 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	





2		Safety measures during solid waste management	By the end of the lesson, the learner should be able to: a. State the safety measures necessary during solid waste management. b. apply appropriate safety measures when managing solid waste. c. appreciate the need for proper management of solid waste in the environment.	The Learner is guided to: • use proper safety measures in solid waste management (wearing protective gears and use of appropriate tools).	How is solid waste dangerous to the environment?	<ul style="list-style-type: none"> • Realia, Pictures/poster • Videos • Digital devices • Super minds G5 Scie. and Tech Learners Bk. Pg. 63-65 • Super minds G5 Scie. and Tech TG Pg. 64 	a) question and answer method, b) class quizzes c) individual performance assessment and d) project work	
3	Water conservation	Meaning of water conservation	By the end of the lesson, the learner should be able to: a. explain the meaning of water conservation in the environment, b. observe pictures of water conservation. c. develop interest In conserving water at home and school.	The Learner is guided to: • Brainstorm on how water is wasted at home and school, • brainstorm on the meaning of water conservation, • explore their locality and observe how water is conserved with peers,	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 63-65 New Planet Scie & Tech Grd 6 Learners Bk. pg. 61-62	Observation Written questions	
4		Methods of conserving water – reducing wastage	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through reducing wastage. c. develop interest In conserving water at home and school.	The Learner is guided to: • discuss ways of conserving water (simple examples of reducing water Wastage) practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 65-67 New Planet Scie & Tech Grd 6 Learners Bk. pg. 62-66	Observation Written questions	



10	1		Methods of conserving water – reducing wastage	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through reducing wastage. c. develop interest In conserving water at home and school.	The Learner is guided to: discuss ways of conserving water (simple examples of reducing water Wastage) practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 65-67 New Planet Scie & Tech Grd 6 Learners Bk. pg. 62-66	Observation Written questions	
	2		Methods of conserving water – reducing wastage	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through reducing wastage. c. develop interest In conserving water at home and school.	The Learner is guided to: ● discuss ways of conserving water (simple examples of reducing water Wastage) ● practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 65-67 New Planet Scie & Tech Grd 6 Learners Bk. pg. 62-66	Observation Written questions	
	3		Methods of conserving water – reusing water	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through reusing water. c. develop interest In conserving water at home and school.	The Learner is guided to: ● discuss ways of conserving water (simple examples of Reusing water), ● practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 65-67 New Planet Scie & Tech Grd 6 Learners Bk. pg. 62-66	Observation Written questions	



	4		Methods of conserving water – reusing water	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through reusing water. c. develop interest In conserving water at home and school.	The Learner is guided to: ● discuss ways of conserving water (simple examples of Reusing water), ● practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 65-67 New Planet Scie & Tech Grd 6 Learners Bk. pg. 62-66	Observation Written questions	
11	1		Methods of conserving water – reusing water	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through reusing water c. develop interest In conserving water at home and school.	The Learner is guided to: ● discuss ways of conserving water (simple examples of Reusing water), ● practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 65-67 New Planet Scie & Tech Grd 6 Learners Bk. pg. 62-66	Observation Written questions	
	2		Methods of conserving water – recycling water	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through recycling. c. develop interest In conserving water at home and school.	The Learner is guided to: ● discuss ways of conserving water (simple examples of Recycling water), ● practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 67-69 New Planet Scie & Tech Grd 6 Learners Bk. pg. 66-68	Observation Written questions	



	3		Methods of conserving water – recycling water	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through recycling. c. develop interest In conserving water at home and school.	The Learner is guided to: ● discuss ways of conserving water (simple examples of Recycling water), ● practise responsible use of water at home and school.	Why is it important to conserve water?	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 67-69 New Planet Scie & Tech Grd 6 Learners Bk. pg. 66-68	Observation Written questions	
	4		Methods of conserving water – recycling water	By the end of the lesson, the learner should be able to: a. describe methods of conserving water at home and school, b. Conserve water through recycling. c. develop interest In conserving water at home and school.	Why is it important to conserve water?	The Learner is guided to: ● discuss ways of conserving water (simple examples of Recycling water), ● practise responsible use of water at home and school.	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 67-69 New Planet Scie & Tech Grd 6 Learners Bk. pg. 66-68	Observation Written questions	
12	1		Importance of water conservation	By the end of the lesson, the learner should be able to: a. outline the importance of conserving water at home and school, b. watch a video clip on the importance of conserving water. c. develop interest In conserving water at home and school.	Why is it important to conserve water?	The Learner is guided to: Project: Prepare posters to sensitize the community (school and home) on the importance of water conservation ● discuss the importance of conserving water,	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 69-70 New Planet Scie & Tech Grd 6 Learners Bk. pg. 68-69	Observation Written questions	



2		Importance of water conservation	By the end of the lesson, the learner should be able to: a. outline the importance of conserving water at home and school, b. watch a video clip on the importance of conserving water. c. develop interest In conserving water at home and school.	Why is it important to conserve water?	The Learner is guided to: Project: Prepare posters to sensitize the community (school and home) on the importance of water conservation • discuss the importance of conserving water,	Digital devices, internet, notebooks, pens New Planet Scie & Tech Grd 6 TG pg. 69-70 New Planet Scie & Tech Grd 6 Learners Bk. pg. 68-69	Observation Written questions	
3	FORCE AND ENERGY	Force and its effects – types of forces (force of gravity)	By the end of the lesson, the learner should be able to: a. describe types of forces in nature (force of gravity) b. Analyze force of gravity. c. appreciate the importance of force in day-today life	How does force affect objects?	The learner is guided to: • brainstorm on the meaning of the term force as used in science, • carry out activities that demonstrate the existence of force of gravity and force of friction in nature (throwing a ball up, stones raised and released to fall, books tipped to fall from a table, objects pulled on rough and smooth surfaces),	Dictionary, internet, pictures, books, pens, ugali, plastic bottles, tyres, wheelbarrow Science and technology Grade 4 Learners Bk. Pg. 69-73 •Super minds G5 Scie. and Tech Learners Bk. Pg. 123 •Super minds G5 Scie. and Tech TG Pg. 95-96	Group discussions Question and answer demonstration	
4		types of forces (friction force)	By the end of the lesson, the learner should be able to: a. describe types of forces in nature, (friction force) b. Analyze friction force. c. appreciate the importance of force in daytoday life	How does force affect objects?	The learner is guided to: • brainstorm on the meaning of the term force as used in science, • carry out activities that demonstrate the existence of force of gravity and force of friction in nature (throwing a ball up, stones raised and released to fall, books tipped to fall from a table,	pictures, books, pens, ugali, plastic bottles, tyres, Science and technology Grade 4 Learners Bk. Pg. 69-73 New Planet Scie & Tech Grd 6 TG pg. 99-100 New Planet Scie & Tech Grd	Group discussions Question and answer demonstration	



						objects pulled on rough and smooth surfaces),	6 Learners Bk. pg. 111-112		
13	1		Effects of force of gravity	By the end of the lesson, the learner should be able to: a. describe force of gravity b. demonstrate the effects of force of gravity on objects in nature. c. appreciate the importance of force in daytoday life	How does force affect objects?	The leaner is guided to: ● carry out activities in groups to demonstrate the effects of force on objects (change of shape, start motion, stop moving objects, increase speed, decrease speed, change direction and hold objects together),	Dictionary, internet, pictures, books, pens, ugali, plastic bottles, tyres, Science and technology Grade 4 Learners Bk. Pg. 69-73 •Super minds G5 Scie. and Tech Learners Bk. Pg. 123 •Super minds G5 Scie. and Tech TG Pg. 95-96	Group discussions Question and answer demosntration	
	2		Effects of force of gravity	By the end of the lesson, the learner should be able to: a. describe force of gravity b. demonstrate the effects of force of gravity on objects in nature. c. appreciate the importance of force in daytoday life	How does force affect objects?	The leaner is guided to: ● carry out activities in groups to demonstrate the effects of force on objects (change of shape, start motion, stop moving objects, increase speed, decrease speed, change direction and hold objects together),	Dictionary, internet, pictures, books, pens, ugali, plastic bottles, tyres, Science and technology Grade 4 Learners Bk. Pg. 69-73 •Super minds G5 Scie. and Tech Learners Bk. Pg. 123 •Super minds G5 Scie. and Tech TG Pg. 95-96	Group discussions Question and answer demosntration	



3		Effects of force (friction)	By the end of the lesson, the learner should be able to: a. describe force of gravity b. demonstrate the effects of friction force on objects in nature. c. appreciate the importance of force in daytoday life	How does force affect objects?	The leaner is guided to: ● carry out activities in groups to demonstrate the effects of force on objects (change of shape, start motion, stop moving objects, increase speed, decrease speed, change direction and hold objects together),	Dictionary, internet, pictures, books, pens, ugali, plastic bottles, tyres, Science and technology Grade 4 Learners Bk. Pg. 69-73 New Planet Scie & Tech Grd 6 TG pg. 99-100 New Planet Scie & Tech Grd 6 Learners Bk. pg. 111-112	Group discussions Question and answer demosntration	
4		Effects of force (friction)	By the end of the lesson, the learner should be able to: a. describe force of gravity b. demonstrate the effects of friction force on objects in nature. c. appreciate the importance of force in daytoday life	How does force affect objects?	The leaner is guided to: ● carry out activities in groups to demonstrate the effects of force on objects (change of shape, start motion, stop moving objects, increase speed, decrease speed, change direction and hold objects together),	Dictionary, internet, pictures, books, pens, ugali, plastic bottles, tyres, wheelbarrow Science and technology Grade 4 Learners Bk. Pg. 69-73 New Planet Scie & Tech Grd 6 TG pg. 99-100 New Planet Scie & Tech Grd 6 Learners Bk. pg. 111-112	Group discussions Question and answer demosntration	
14	END TERM ASSESSMENT/CLOSING							