THIRD TERM PRIMARY SEVEN SCIENCE SCHEME OF WORK 2022

WK	PD	THEME/ TOPIC	SUBTOPIC/ CONTENT	SUBJECT COMPETENCES	LANGUAGE COMPETENCES	METHODS	ACTIVITY	SKILLS	VALUES	INST. MAT.	REF	RM
		THE ENVIRONMENT. Energy resources	Resources Energy resource Energy resources eg sun, water, minerals etc Importance of the sun as a resource. Water as an energy resource eg provides HEP, Steam, Tidal energy.	-explains what energy resources are. -names different energy resources. -discusses the importance of different energy resources to people and environment. -Carries out simple experiments using energy from wind or steam. -describes how to make solar equipment.	-Write guided notes on the Energy resource -Writes short descriptions on energy resources and sources. -Reads words and sentences about energy resources and their functions. -Writes a story about coal and petroleum. -Draws biogas digester. -Writes down steps of making biogas digester. -Writes down steps of making solar equipment.	Discussion Demonstration. Observation Discovery method	Naming energy resources. - Experimenting on steam and propeller. Drawing. Writing.	Critical thinking. Decision making. Creative thinking. Effective communication.	Logic Confidence. Taking right decision. Making right choices. Appreciation. Care	A well drawn chart Energy resources.	MK ,Fountain, ,SC. Bk 7	

			Fossil fuels eg petroleum, coal etc Uranium Geothermal energy Animals as energy resources. Wind as energy resources. Plants as energy resources.	explains the generation of atomic electricity. explains the working of geothermal energy. discusses the importance of animals, wind and plants as energy resources.	-Write guided notes on the Fossil fuels -Writes short descriptions on energy resources and sources. -Reads words and sentences about energy resources and their functions. -Write a story about coal and petroleum.	Discussion Demonstration. Observation Discovery method	Naming energy resources. -Experimenting on steam and propeller. Drawing. Writing.	Critical thinking. Decision making . Creative thinking. Effective communication	Logic Confidence Taking right decision. Making right choices. Appreciation. Care	A well drawn chart Energy resources. Bk 7	MK ,Fountain, ,SC.	
			Biogas production Biomass as amount of living matter in the area. Steps of making biogas digester. Structure of biogas digester. Advantages of using biogas.	-describes how to make biogas digester. -draws the biogas digester -explains the working of biogas digester. -initiates the activities which cause safe and sustainable way of using energy resources. -explains the advantage of biogas digester.	-Write guided notes on the Biogas production -Writes short descriptions on energy resources and sources. -Reads words and sentences about energy resources and their functions. -Draws biogas digester. -write steps of making biogas digester.	Discussion Demonstration. Observation Discovery method	Naming energy resources. -Experimenting on steam and propeller. Drawing. Writing.	Critical thinking. Decision making. Creative thinking. Effective communication	Logic Confidence. Taking right decision. Making right choices. Appreciation. Care	A well drawn chart Energy resources. Bk 7	MK ,Fountain, ,SC.	

		THE ENVIRONMENT. Interdependence of things in the environment	Interdependence Components of the environment. Plants depend on animals. Animals depend on plants Animals depend on other animals Plants depend on other plants. Interdependence of living things and non living things.	-explains the meaning of interdependence. -explains how plants depend on animals. -explains how animals depend on plants. -explains how animals depend on other animals. -explains how plants depend on other plants. -explains interdependence of living and non living things.	-Writes guided notes on Interdependence - Reads words and sentences about interdependence in the environment	Discussion Demonstration. Observation Discovery method Field trips	Writing Reading.	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic	A chart showing interdependence	MK ,Fountain, ,SC. Bk 7	
			Agro forestry Importance of agro forestry Indigenous trees X-tics of indigenous trees. Exotic trees Xtics of exotic trees	-explains what agro forestry is. -explains the importance of agro forestry. -explains what indigenous trees are. -explains the characteristics of indigenous trees. -explains the characteristics of exotic trees.	-Writes guided notes on Agro forestry - Reads words and sentences about interdependence in the environment	Discussion Demonstration. Observation Discovery method Field trips	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic		MK ,Fountain, ,SC. Bk 7	

			Tree growing A nursery bed Care for seedlings Hardening off. Transplanting Types of nurseries Seed bed Starting a tree nursery bed.	-explains the process of tree growing. -explains the meaning of nursery bed. -explains starting a tree nursery bed. -describes hardening off. -explains types of nurseries -give the meaning of a seed bed.	-Writes guided notes on the Tree growing - Reads words and sentences about interdependence in the environment	Discussion Demonstration. Observation Discovery method Field trips	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic	A chart showing a nursery bed	MK, Fountain, ,SC. Bk 7	
			Care for trees in agro forestry Advantages of pruning Advantages of thinning. Why staking Crop spacing How to control weeds.	-explains the ways of caring for plants. -gives the advantages of thinning. -explains the advantages of thinning. -gives reasons for staking crops.	-Writes guided notes on the Tree growing - Reads words and sentences about interdependence in the environment	Discussion Demonstration. Observation Discovery method Field trips	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility.	Real plants in the garden	MK ,Fountain, ,SC. Bk 7	
			Tree pests. Vermin Crop pests Methods of controlling pests Crop diseases	-describes a pest and some vermin. -identifies examples of crop pests -explains the methods of controlling pests. -identifies examples of crop diseases	-Write guided notes on the Tree growing - Reads words and sentences about interdependence in the environment	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving	Fluency Appreciation Responsibility.		MK ,Fountain, ,SC. Bk 7	

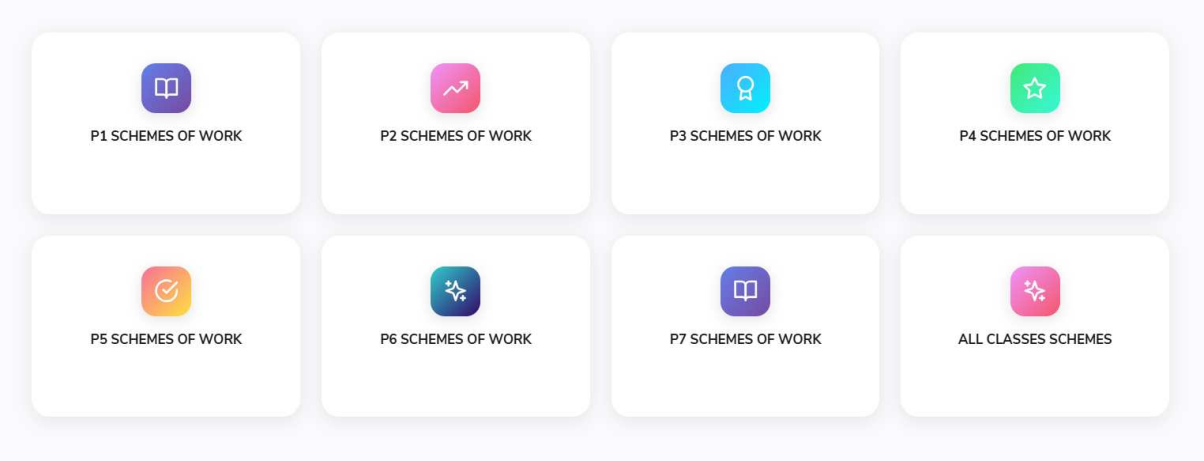
			Harvesting of trees. Starting and managing a school/home wood project. Factors considered when choosing trees for planting. Maintaining a tree and crop growing project.	-identifies proper ways of harvesting trees. -explains the factors considered when starting a tree and crop growing project. -explain how to maintain a tree and crop growing project.	-Write guided notes on the Harvesting of trees - Reads words and sentences about interdependence in the environment	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices.	A chart showing methods of harvesting trees.	MK ,Fountain, ,SC. Bk 7	
			Preparing wood for different purposes and proper storage Uses of wood. Wood for timber. Wood for electricity telephone poles. Seasoning Record keeping Types of records Importance of keeping farm records. Young farmers club.	-explain how to prepare wood for firewood, for wood for electricity, timber. -explain the meaning of seasoning timber. -identify reasons for seasoning timber. -explains what record keeping is. -lists types of farm records. -explains the importance of keeping farm records. -explains the roles of young farmers clubs.	-Write guided notes on the Harvesting of trees - Reads words and sentences about interdependence in the environment	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic		MK ,Fountain, ,SC. Bk 7	

		The community, population and family life. Population and health.	Community Health Social problems. Community health Methods of preventing diseases in the community.	-explains the meaning the terms community, health, social problems, community health. -identifies the methods of preventing diseases in the community.	-Write guided notes on Community Health - Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic		MK ,Fountain, ,SC. Bk 7	
			Sicknesses in a home. Types of common sicknesses in a home.	-explains types of common sickness in a home. -identifies examples of types of the common sicknesses in a home. -explains the cause of the sicknesses.	-Write guided notes on Sicknesses in a home. - Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic	A chart showing certain sicknesses	MK, Fountain,SC. Bk 7	
			STDS Hereditary diseases Causes of sickness in a home. Control of common sicknesses. Common health and social problems. How to avoid health and social problems? Life skills to avoid social and health problems.	-identifies examples of types of the common sicknesses in a home. -explains the cause of the sicknesses. -explains the control of the common sicknesses in a home. -explain examples of common health and social problems and how	-Write guided notes on the STDS - Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic		MK ,Fountain, ,SC. Bk 7	

			Sexual deviations. Reasons why people practice sexual deviations Ways of avoiding sexual deviations.	-explains the meaning of sexual deviations. -identifies examples of sexual deviations. -gives reasons for sexual deviations. -explains ways of avoiding sexual deviations.	-Write guided notes on the Sexual deviations. - Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Responsibility. Care Taking decision Making right choices.	Presentation showing effects of sex deviations.	MK ,Fountain, ,SC. Bk 7	
			Population and health concerns Poor sanitation Antisocial behavior Violence Types of violence.	-defines population and health concerns. -identifies examples of population and health concerns. -identifies indicators of poor sanitation. -identifies activities to poor sanitation. -explains the meaning of antisocial behavior -explains examples, causes and effects of antisocial behavior. -identifies the activities to address antisocial behavior.	-Write guided notes on Poor sanitation - Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic		MK ,Fountain, ,SC. Bk 7	
			Poor water supply Water associated diseases	-describe poor water supply -explain water associated diseases. Identify activities to address poor water supply	-Write guided notes on Poor water supply - Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving	Appreciation Responsibility.		MK, Fountain, ,SC. Bk 7	

			Inadequate food. Food security Activities to address health concern. Care for home Health survey	-explains the meaning of inadequate food. -explains the causes of inadequate food. -gives the meaning of food security. -identifies the activities to address inadequate food. -explains the activities to address the health concerns	- Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Appreciation Responsibility. Care Taking decision Making right choices. Logic		MK, Fountain, ,SC. Bk 7	
			Health education Having a family budget. Advantages of family budgeting.	-explains health education -explains the family budget. -gives the advantages of having a family budget	- Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Appreciation Responsibility. Care Taking decision		MK, Fountain, ,SC. Bk 7	
			Demography. Importance of demography. Housing information. Available health services. -immunization -Family planning -treatment of infections Provision of water. Control of epidemic diseases		- Reads words and sentences about population and health.	Discussion Demonstration. Observation Discovery method	Writing Reading	Decision making Critical thinking. Problem solving Effective communication	Fluency Appreciation Responsibility. Care Taking decision Making right choices. Logic		MK, Fountain, ,SC. Bk 7	

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