

Primary Five

Science Plan 20...../20.....

First Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
Interaction of organisms	-Use evidence to argue that plants use specialized structures to obtain the materials that need.	*Unit One Interactions of organisms	-Brain storming -Discovery Experimentation -Back in back -Peer learning	-carry out activities shows (Plant needs, soil importance, plant structure, seed dispersal)	-Oral questions -Written questions -Exercises	-Teacher notes -Student notes -Lab. notes -Albums -Work sheets
Plant needs	-Develop a model of how energy moves in plants. -Develop a model of plant process use natural resources. -Compare between circulatory system of human and transportation system in plants.	*Concept One Plant needs	-Digetal videos -Self learning -comparison -Technology -Role playing -Cards -..... -..... -.....	-Examine model of plant shows its direction	-Complete -Work sheet -Quiz -M. C. Q -..... -.....	-plant model -Model of heart -portfolio -..... -.....

Teacher

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Inspector

School principal

Primary Five

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First Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
- Living systems -Food chains and food webs	-Design a model of food chain and food web. -Develop a model show how energy transfer in ecosystem. -Create a model to explain the different roles of living organisms in ecosystem. -Differentiate between the producer, consumers and decomposers	*Unit One Interactions of organisms *Chapter Two Energy flow in ecosystem	-Brain storming -Discovery Experimentation -Solve problems -Peer learning -Silent videos -Other half - 4-2-1 Find the mistake -Role play -Jigsaw -Spider net -..... -.....	-Design a model of food web or food chain show energy flow in ecosystem -Form an album about food web. -Record evidence as a scientist about food chains and food web	-Oral questions -Written questions -Exercises -Observation cards -Work sheet -Quiz -M. C. Q -.....	-Teacher notes -Student notes -Lab. notes -Cards -Albums -Model of food web -Work sheets -..... -.....

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Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
Interaction between living organisms -protecting environment	- Demonstrate through modeling how changes in ecosystem can disturbance a food web. -Construction an explanation about human activities & negative impact. -Mention some possible solution to environmental proplems.	*Unit One Interactions of organisms *Chapter Three Changes in food webs	-Brain storming -Discovery Experimentation -Solve problems -Sticky notes -Silent videos -Individual learning -4 corners -Technology -One minute -Group work -Simulation -..... -.....	-Design a model of ecosystem -Design an album shows the effect of pollution -Make a research about ecosystem	-Oral questions -Written questions -Exercises -Self assessments -Work sheet -Quiz -M. C. Q -.....	-Teacher notes -Student notes -Lab. notes -Work sheets -cards -Models of ecosystem -Albums -..... -.....

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Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
-Matter & Energy	-Communicate the defining characteristics of three states of matter. -Deduce the relation between the changes in state of matter and movement of its particles. -Compare between particles of matter in different states.	*Unit two Matter in the world around us *Chapter One Particles in motion	-Brain storming -Discovery Experimentation -Snake & ladder -Peer learning -Silent videos -Steps to treasure -Bowling balls -Flower model -T-charts -Role playing	-Use tools to measure the volume of a matter. -Design a model of matter states particles -Record evidence like a scientist.	-Oral questions -Written questions -M. C. Q -Self assessment -Work sheet - Quiz 	-Teacher notes -Student notes -Lab. notes -Albums -Work sheets -Models of student's works -cards

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Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
-Matter properties & Measuring - states of matter Matter & Energy	-Classify materials based on their properties. - Measure volume of substance experimentally. -Deduce the properties of matter -Analyze data to identify unknown material. -Differentiate between physical & chemical properties of matter	*Unit two Particles in motion *Chapter Two	-Brain storming -Discovery Experimentation -Bingo -Down hands -Silent videos -Who am I -T.P. s -Technology -Envelope please -K. W. L	-Make an album about matter states -Design a model of a balance. -Carry out activities to differentiate between physical and chemical properties of matter	-Oral questions -Written questions -Exercises -Self assessment -Work sheet -quiz 	-Teacher notes -Student notes -Lab. notes -Cards -Work sheets -Album -Student's researches

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Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
-Matter, its changes & its properties - Matter & Energy	- Explain the relation between changes in temperature, state and mass of matter. - Identify the reasons of physical and chemical changes of matter -Differentiate between mixture and compound. -Classify mixtures and compounds based on what happen in formation.	*Unit two Particles in motion Matter in the world around us *Chapter Three	-Brain storming -Discovery Experimentation -Freire model -Mantel maps -Silent videos -Draw your thinking - 4-2-1 -K. W. L -Y-charts -Observation -..... -.....	-Differentiate between (Ph. & Ch.) changes experimentally -Use some materials to make mixture. -Design an album about mixture -Carry out the project of unit	-Oral questions -Written questions -Exercises -Solve problems -Work sheet -Electronic quiz -.....	-Teacher notes -Student notes -Lab. notes -Work sheets -Albums -Cards -portfolio -..... -.....

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Second Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
Protecting our planet -Water bodies and their importance -Water pollution	- Classify systems on Earth as part of (hydrosphere, biosphere, geosphere, atmosphere) -Develop a model of interaction between hydrosphere and biosphere. -Identify defining characteristics of different aquatic ecosystems. -Mention the importance of water for life. -Draw a diagram show fresh and salt water bodies	*Unit Three Our Earth Resources Concept One Hydrosphere and Biosphere interaction	-Brain storming -Discovery Experimentation -Freire model -Mantel maps -Silent videos -Out door learning - 4-2-1 -K. W. L -Y-charts -Observation -Sticky notes -.....	-Differentiate between the four main spheres. -Use the materials to design model of inter action between spheres -Design an album about four sphere -Carry out activity prove the effect of micro plastics on aquatic ecosystem	-Oral questions -Written questions -Exercises -M. C. Q -Work sheet -Quiz -.....	-Teacher notes -Student notes -Lab. notes -Work sheets -Albums -Cards -portfolio -..... -.....

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Second Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
Protecting our planet	<ul style="list-style-type: none"> - Develop a model that describes the patterns of water distribution. -Analyze a map and predict out comes of events in a watershed -Identify threats to freshwater resources and offer suggested solution. -Identify the problem related to overconsumption of natural resources. -Design a model shows how human activities effects on water& other natural resources. - protect water from pollution. -Compare several solutions for the conservation and sustainable use of the Earth's natural resources. -Discuss with evidence how people can change their behavior to protect natural resources and environment. 	<p>*Unit Three</p> <p>Hydrosphere & Biosphere interaction</p> <p>*Chapter Two</p> <p>Water as Valuable natural resource</p>	<ul style="list-style-type: none"> -Brain storming -Discovery Experimentation -Five questions -Mantel maps -Silent videos -Back in back - Bowling balls -K. W. L -Y-charts -Observation -Self assessment -..... 	<ul style="list-style-type: none"> -carry out activity that determine the sources and importance of water - Make labels of conserving water. -Design a chart of water cycle -Design a simple model of water filter 	<ul style="list-style-type: none"> -Oral questions -Written questions -Exercises -self assessment -Work sheet - Quiz -..... 	<ul style="list-style-type: none"> -Teacher notes -Student notes -Lab. notes -Work sheets -Albums -Cards -portfolio -..... -.....

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Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
-Change & Stability -Stars & planets -Forces as Gravity -Solar System	- Describe patterns in objects experiencing gravitational force on small & large scales. -Deduce experimentally that gravitational force acting towards the center of the Earth. -Plan and conduct an investigation to produce data to show evidence of effects of gravity and air resistance on different objects.	*Unit Four Effects of gravity *Concept One Effects of gravity	-Brain storming -Discovery Experimentation -Freire model -Mantel maps -Silent videos -Draw your thinking - 4-2-1 -K. W. L -Y-charts -Observation -..... -.....	-Carry out activity to prove the importance of gravity. -Carry out activities to identify some forces as friction, magnetism & air resistance. - Design a model of solar system shows revolution of planets around the sun.	-Oral questions -Written questions -Exercises -Solve problems -Work sheet -Electronic quiz -..... -.....	-Teacher notes -Student notes -Lab. notes -Work sheets -Albums -Cards -portfolio -..... -.....

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Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
-Change & Stability -Stars & planets -Forces as Gravity -Solar System Observing Space	-Develop models that describe how the movement of Earth in the space causes cyclical patterns of night and day, seasons and the apparent movement of the sun -Analyze and interpret data to evaluate the claim that sunrise times differ in different latitudes and over time -Model patterns of daily changes in length and direction of shadows, day & night and the appearance of changes in the moon in the night sky.	*Unit Four Patterns in the sky *Concept Two Patterns of Motion in the Sky	-Brain storming -Discovery Experimentation -Freire model -Mantel maps -Silent videos -Learning games - Modeling -K. W. L -Y-charts -Observation -Sticky notes -.....	Design models that show some Phenomenon as (day night, moon phases, four seasons) -Carry out the project of unit	-Oral questions -Written questions -Exercises -Solve problems -Work sheet - Quiz -.....	-Teacher notes -Student notes -Lab. notes -Work sheets -Albums -Cards -portfolio -..... -.....

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