

BASIC SCIENCE AND TECHNOLOGY
TERM: 3RD

CLASS: PRIMARY TWO

WEEKS	TOPICS	LEARNING OBJECTIVES	LEARNING ACTIVITIES	EMBEDDED CORE SKILLS	LEARNING RESOURCES
1 BST (Basic Science)	REVISION OF 2 nd TERM WORK	REVISION OF 2 nd TERM WORK	REVISION OF 2 nd TERM WORK	REVISION OF 2 nd TERM WORK	REVISION OF 2 nd TERM WORK
1 BST (IT)	REVISION OF THIRD TERM WORK	REVISION OF THIRD TERM WORK	REVISION OF THIRD TERM WORK	REVISION OF THIRD TERM WORK	REVISION OF THIRD TERM WORK
1 BST (PHE)	Health and Hygiene	<p>At the end of the lesson, pupils should be able to:</p> <ol style="list-style-type: none"> Enumerate some ways of purifying water. Describe some ways of purifying water. 	<ol style="list-style-type: none"> Pupil, as an individual, identify ways of purifying water Pupils in small groups, explain some ways of purifying water Each group display different diagrams of purifying water 	<ol style="list-style-type: none"> Critical thinking and problem solving Leadership and personality development Collaboration and communication 	<p>1. Website Resource</p> <ol style="list-style-type: none"> https://youtu.be/pVuA0XrqrOr2 https://youtu.be/8CZLSeiAPHk <p>2. Audio visual materials</p> <ol style="list-style-type: none"> chart Pictures
2 BST (Basic Science)	Forms of energy-	<p>At the end of the lesson, pupils should be able to:</p> <ul style="list-style-type: none"> x explain energy; x identify different forms of energy; i. describe the uses of energy to man. 	<ol style="list-style-type: none"> Class brainstorms on the meaning of energy. Pupils in small groups, identify forms of energy Pupils in pairs, discuss the application of energy in their daily lives Pupils discuss the things which give energy 	<ul style="list-style-type: none"> <input type="checkbox"/> Communication and collaboration <input type="checkbox"/> Leadership and personal development <input type="checkbox"/> Critical thinking and problem solving 	<ol style="list-style-type: none"> First aid kits https://youtu.be/Q0LBegPWzrg https://youtu.be/63t0Y2ACoh4 https://youtu.be/1JdvH8cz-l
1 BST (IT)	Classification of computers by generations	Explain first and third generations of computers	Pupils, as a class, discuss first and third generations of computers	<ul style="list-style-type: none"> -Critical thinking -Collaboration and communication -Personal development 	https://www.youtube.com/watch?v=tZ3z0AQIFco
1 BST (PHE)	Hygiene	<p>At the end of the lesson, pupils should be able to</p> <ol style="list-style-type: none"> demonstrate the process of purifying water. explain how they purify water at home 	<ol style="list-style-type: none"> Pupil, as individual, identify process of purifying water As a group, draw the process of purifying water on a card board 	<ol style="list-style-type: none"> Critical thinking and problem solving Leadership and personality development Collaboration and communication 	<p>1. Website Resource</p> <ol style="list-style-type: none"> https://youtu.be/8czlSeiAPHk https://youtu.be/wYkQ6x5-Pc https://youtu.be/F37IDgQ2lfw <p>2. Audio visual materials</p>

				RESOURCES
Sound Energy Objects that produce sound Local Instruments Practical	At the end of the lesson, pupils should be able to: i. identify sounds of different objects and animals; ii. mention various instruments that can make sound; produce local instruments that can make sounds; iii. create sound with any man-made instrument	i. pupils as a Class, brainstorms on sounds of living things like humans, animals and plants (listening to recorded audio) ii. Pupils in small groups, identify instruments that make sounds. iii. Pupils in pairs, discuss local instruments that make sound and share with the class Each pupil demonstrate how to make sound with any man-made instruments	<input type="checkbox"/> Communication and collaboration <input type="checkbox"/> Leadership and personal development <input type="checkbox"/> Critical thinking and problem solving <input type="checkbox"/> Critical thinking and problem solving	i. Chart ii. Pictures iii. Water -flash cards x Bamboo stem; pawpaw stalk; knife, string; etc x Some musical instrument like keyboard, flute, saxophone https://youtu.be/0D2AWJ15U2g https://youtu.be/_l9HhdgV1cY
Classification of computers by generations x First generation x Third generation	Explain first and third generations of computers	Pupils, as a class, discuss first and third generations of computers	-Critical thinking -Collaboration and communication -Personal development	https://www.youtube.com/watch?v=tZ3zOAQlFco
Hygiene	At the end of the lesson, pupils should be able to 1.Explain purification of water at home	1.As an individual, identify steps in purifying water at home 2.Pupils in groups, describe the steps in purifying water at home 3.Each group show case the diagram of steps in purifying water at home	1. Critical thinking and problem solving 2. Leadership and personality development 3. Collaboration and communication	1. Website Resource i. https://youtu.be/8czlSeiAPHk ii. https://youtu.be/wYkQ6x5-Pc iii. https://youtu.be/F3lDgQ2lfw 2. Audio visual materials i. Chart ii. Pictures flash cards iii. Water bucket
Colour - Different colour - Classification of objects using colour - Uses of colour	At the end of the lesson, pupils should be able to: i. identify different colours; ii. classify objects using colour; iii. identify colours in living and non-living things; iv. discuss the uses of colours. v. appraise the importance of colours.	i. Class brainstorms on the types of colours ii. Pupils in small groups, classify living things based on colours iii. Pupils in pairs, discuss the use of colours and share with the class iv. Pupils think and share which colours are important to them in their environment.	<input type="checkbox"/> Communication and collaboration <input type="checkbox"/> Critical thinking and problem solving <input type="checkbox"/> Creativity and imagination	x Papers, crayons, coloured pen etc x Beads x Colour chart https://youtu.be/EW7nqC8Ck https://youtu.be/p3DtK9so
Classification of computers by generations	Explain fourth and fifth generations of computers	Pupils, as a class, discuss fourth and fifth generation of computers	-Critical thinking -Collaboration and	https://www.youtube.com/watch?v=tZ3zOAQlFco

TOPICS		LEARNING OBJECTIVES		LEARNING ACTIVITIES		EMBEDDED CORE SKILLS		BASIC SCIENCE & TECHNOLOGY	
X Fourth generation X Fifth generation	Rest and sleep	At the end of the lesson, pupils should be able to 1. Identify proper way of resting and sleeping		1. Pupil, as an individual identify proper ways of resting and sleeping 2. Pupils groups, explain proper ways of resting and sleeping at home		Personal development 1. Critical thinking and problem solving 2. Leadership and personality development 3. Collaboration and communication		1. Website Resource i. https://youtu.be/Yp9bsvNvNU ii. https://youtu.be// 2. Audio visual materials i. Chart ii. Pictures iii. Bed iv. Mat v. Pillow	
Air - Existence of Air Meaning Properties Uses of air		At the end of the lesson, pupils should be able to: ii. Say the meaning of air iii. identify the gases of air iv. demonstrate the air in nature x explain the uses of air		i. Class brainstorms on the meaning of air. ii. Pupils in pairs, describe and share with the class the gases in air. iii. Each pupil demonstrate air in nature iv. Pupils in small groups, think and discuss the various uses of air and share with the class.		<input type="checkbox"/> Communication and collaboration. <input type="checkbox"/> Critical thinking and problem solving <input type="checkbox"/> Creativity and imagination		x Hand fans x Kites, balloons, etc https://youtu.be/h7rhOM2dXtE	
Classification of computers by generations X Fourth generation X Fifth generation		Explain fourth and fifth generations of computers		Pupils, as a class, discuss fourth and fifth generation of computers		-Critical thinking -Collaboration and communication -Personal development		https://www.youtube.com/watch?v=tZ3zOAIQFco	
Safety Education		At the end of the lesson, pupils should be able to 1. explain the meaning of safety education. 2. list the safety education conditions for first aid treatment		1. Pupil, as an individual, describe safety education 2. Pupils in group, explain safety education. 3. Pupils as an individual list safety conditions for First Aid treatment.		1. Critical thinking and problem solving 2. Leadership and personality development 3. Collaboration and communication		1. Website Resource i. https://youtu.be/fgcvobYvjoI ii. https://youtu.be/u03EHVF-7vl iii. https://youtu.be/oT5X2-Kpl 2. Audio visual materials i. Chart ii. Pictures charts iii. First aid kits	
ir - Floataion Objects that flow in air Make things that float in air		At the end of the lesson, pupils should be able to: i. mention objects that float in air; ii. identify the characteristics of these objects that can float in air;		i. Class observe a thin piece of nylon floating in air and a pen dropped to the ground to formulate the meaning floatation.		Communication and collaboration. <input type="checkbox"/> Critical thinking and problem solving <input type="checkbox"/> Leadership and personal development Creativity and imagination		iv. Balloons, old newspaper, thread, gum, sticks, strings, pencils, stones etc.	

WEEKS	TOPICS	LEARNING OBJECTIVES	LEARNING ACTIVITIES	EMBEDDED CORE SKILLS	LEARNING RESOURCES
		iii. construct/make things (kites, blown balloons etc.) float or fly in air. iv.	ii. Pupils in pairs, describe and share with the class the objects that float in air. iii. Pupils in small groups, identify the characteristics of objects that can flow in air iv. Each pupil, make objects that can flow in air.		v. Charts https://youtu.be/trv7yZU0X0 https://youtu.be/Qvz.LXWtWFE
6 BST (IT)	Classification by purpose X Special purpose X General purpose	Explain special and general purpose computers	Pupils, as a class, explain special and general purpose computers	-Critical thinking -Collaboration and communication -Personal development	https://youtu.be/EB6qzMDhXTA
6 BST (PHE)	First Aid	At the end of the lesson, pupils should be able to: 1.State conditions that requires first aid treatment. 2.Describe how to treat the treatment.	1.Pupil, as an individual, explain first aid 2.As a group, describe the condition that require first aid e.g. bleeding, Heat e.t.c 3.Each group explain the condition require for first aid	1.Critical thinking and problem solving 2.Leadership and personality development 3.Collaboration and communication	1.Website Resource i. https://youtube/GT8EAKs9a9M ii. https://youtube/APinK3IJFIQ ii. https://youtube/SKCrD4EX-1A 2.Audio visual materials i. Chart
					ii. Pictures iii. First aid kits
7.	MID-TERM ASSESSMENT	MID-TERM ASSESSMENT	MID-TERM ASSESSMENT	MID-TERM ASSESSMENT	MID-TERM ASSESSMENT
8 BST (Basic Science)	Water- Objects that Float in water	At the end of the lesson, pupils should be able to: ii. mention objects that float in water; iii. describe the characteristics of objects that flow in water; iv. demonstrate how to make objects float in water.	I. Class observe a cork and a stone to formulate the meaning of objects floating in water. II. Pupils in pairs, describe and share with the class the characteristics of these objects III. Each pupil thinks and describes heavy objects that float in water iv. Each pupil demonstrate how to make an object float in water.	<input type="checkbox"/> Communication and collaboration. <input type="checkbox"/> Critical thinking and problem solving/leadership and personal development Creativity and imagination	X Balloons, paper, feather, cork, thread, etc. X Pictures of swimmers using life jackets X Pictures of people swimming in rivers staying on calabashes. https://youtu.be/2dyCe1GPagE https://youtu.be/aVUXV5LGS04
8 BST (IT)	Classification by purpose X Special purpose X General purpose	Explain special and general purpose computers	Pupils, as a class, explain special and general purpose computers	-Critical thinking -Collaboration and communication -Personal development	https://youtu.be/EB6qzMDhXTA
8-9 BST (PHE)	First Aid Continue	At the end of the lesson, pupils should be able to: 1.explain more condition that requires first aid treatment	1.Pupil, as an individual explain more condition about first aid. 2.As a group, discuss how to apply first aid.	1.Critical thinking and problem solving 2.Leadership and personality development	1.Website Resource i. https://youtube/GT8EAKs9a9M

			INCLUDED CORE SKILLS	LEARNING RESOURCES
		Each group describe how to apply first aid	communication	https://youtube/APinK3IJFIQ ii. https://youtube/SKcCd4EX-1A 2.Audio visual materials i. Chart ii. Pictures iii. First aid kits
Water- Objects that sink in water	At the end of the lesson, pupils should be able to: i. identify objects that sink in water; ii. describe the characteristics of objects that flow in water; iii. examine how heavy objects sink in water;	i. Class brainstorms on objects that sink in water ii. Pupils in pairs, describe and share with the class the characteristics of these objects iv. Each pupil demonstrate heavy objects that sink in water	<input type="checkbox"/> Communication and collaboration. <input type="checkbox"/> Critical thinking and problem solving/leadership and personal development Creativity and imagination	x Stone, meter rule, wood piece of iron, etc. x Pictures of heavy objects like stones, iron rod in water https://youtu.be/2dyCe1GPagE https://youtu.be/aVUXV5LG504
Shutting – down the computer Sleep Hibernate Restart Shutdown	Carry out the various ways of shutting down the computer Distinguish between the various ways of shutting down the computer	Pupils, in pairs or in groups, practice the various ways of shutting down the computer	-Critical thinking -Collaboration and communication -Personal development	https://www.youtube.com/watch?v=Tx0ntUobTu8
User Meaning of road Road users Correct use of the road	Pupils should be able to: i. say the meaning of roads; ii. identify different road users (e.g. cars, bicycles, motor cycle, humans, animals etc.) iii. explain how each user correctly use the road;	I. Pupils as a class, brainstorm on meanings of road and road users. II. Pupils, as individual, write different road users III. Pupils in small groups, describe the correct use of the road by users.	<input type="checkbox"/> Communication and collaboration. <input type="checkbox"/> Critical thinking and problem solving <input type="checkbox"/> Leadership and personal development	x Pictures of different types of roads x Charts on road usage Web resources: https://youtu.be/NeEF1fwT4k?list=TLPMTEwOTIwMjBU4ah9hq4W9A
Shutting – down the computer Hibernate Restart Shutdown	Carry out the various ways of shutting down the computer Distinguish between the various ways of shutting down the computer	Pupils, in pairs or in groups, practise the various ways of shutting down the computer	-Critical thinking -Collaboration and communication -Personal development	https://www.youtube.com/watch?v=Tx0ntUobTu8
	REVISION	REVISION	REVISION	REVISION
	REVISION	REVISION	REVISION	REVISION
	REVISION	REVISION	EXAMINATION	EXAMINATION

ACHIEVEMENT STANDARD

At the end of the session, the pupils are able to;

- x identify senses in humans and their functions;
- x discuss soil and soil types and their characteristics;
- x do practical practice with clay;
- x understand the concept of water, its properties and importance to living things
- x discuss air and its importance to life;
- x explain sound as a form of energy.
- x Knowledge on the history, classifications and features of computer.
- x Understand, articulate and experiment procedures of setting up a computer and
- x Ability to identify and understand the uses of important icons on the computer.
- x Discuss movement and demonstrate them correctly
- x Learn about safety rules in movement
- x Demonstrate basic skills in field event
- x Identify safety rules in athletics
- x Perform /demonstrate skills in basket ball
- x Discuss swimming and its safety rules
- x Describe health and hygiene and demonstrate process of purifying water at home
- x Demonstrate proper using of resting and sleeping
- x Understand safety education and demonstrate simple treatment in first aid cases