



**UNIFIED SCHEMES OF WORK FOR PRIMARY SCHOOLS
BASIC SCIENCE AND TECHNOLOGY
PRIMARY FOUR SECOND TERM**

WEEKS	TOPICS	LEARNING OBJECTIVES	LEARNING ACTIVITIES	EMBEDDED CORE SKILLS	LEARNING RESOURCES
1	Readiness test and Revision of first term's work				
2	BST(BASIC SCIENCE) SOIL -Meaning of soil. -Types of soil -Soil Constituents. -Uses of soil	By the end of the lesson, pupils should be able to: explain the meaning of soil; classify different types of soil; generate soil constituents. explain the importance of soil: agriculture, building etc.	-Class discusses the meaning of soil. -Pupils in pairs classify the types of soil and a member of each group makes presentations. -Pupils in pairs analyze soil constituents. -Class discusses the various uses of soil	Critical thinking and problem solving communication and collaboration leadership and personal development	Audio – visual resources Water, different types of soil, rocks, leaf litter Web resources: https://www.cambridge.org
	BST (PHYSICAL HEALTH EDUCATION) Track Event, Middle Distant races, Types of Middle Distant Races (800M, 1500M) (ii) Skills In Middle Distant Races. Standing, Take off running, Arm action, Finish	By the end of the lesson, pupils should be able to: - List types of Middle Distant Races - Mention skills in middle distant races - Perform the take off action - Perform proper arm action, running and finish.	Pupils in pairs list the types of middle distant races I) Pupils as a class mention the skills in middle distant races (iii) Pupils in small group demonstrate middle distant races and compare	(i). Collaboration and Communication (ii)Citizenship (iii)Leadership and problem solving	Classbasic.com www.canla2012.com/lesson https://www.mpa.gov.ng/lesson Audio Visual -Chart - Posters -Track - Whistle - Board
	BST (IT) Typing and saving on Microsoft Power Point	By the end of the lesson, pupils should be able to: Type and save a short composition about themselves	Individually, students should launch, type and save on Microsoft word	Critical thinking Collaboration and communication Personal development Digital literacy	Audio Visual: Charts Computer set Projectors Sound System Web Resources Video Site: https://edu.octglobal.com/powerpoint/saving-presentations/1/ https://youtu.be/6904c9mM https://www.youtube.com/watch?v=DymerP8t8 Documents: https://support.microsoft.com/en-us/office/add-and-format-text-in-powerpoint-c641613c-435a-402e-b411-2b4cedb6198a https://edu.octglobal.com/powerpoint/saving-presentations/1/
3	BST(BASIC SCIENCE) SOIL (II): GROWING OF PLANTS -Soil preparation. -Planting and nurturing of plants.	By the end of the lesson, pupils should be able to: explain soil preparation; write how crops are planted and nurtured.	-Class brainstorms on soil preparation. -Pupils in small groups describe and write out how crops are planted and nurtured. Pupils as pairs practice planting and nurturing	Critical thinking and problem solving communication and collaboration leadership and personal development	Audio – visual "resources Picture of cultivated land, hoes, cutlass, flowers, bean/maize seeds, empty can, soil and manure etc . Web resources: https://study.com/academy/lesson/soil-lesson-plan
	BST (PHYSICAL HEALTH EDUCATION) Track Event: Long distant races, (i)Types of Long distant races (300m, 500m, (ii) steeple chase in long distance races -Standing -Take off -Running -Arm action -Finish	By the end of the lesson, pupils should be able to: - List the types of Long distant races mention skills in long distant races - Demonstrate long distance races	Pupil as a class list the types of long distant races, pupil in small groups mention skills in long distant races (iii) pupils in pairs demonstrates skills in long distant races	(I) Collaboration and Communication (ii) Leadership and Personal Development - Digital literacy	Athleticscoaching.com Audio Visual - Charts - Posters - Shoes - Tracks - Whistle - Board
	BST (IT)	By the end of the lesson, pupils should be able to:	Individually, students should launch, type and save on Microsoft word	Critical thinking	Audio Visual: Charts

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	Typing and saving on Microsoft Power Point	Type and save a short composition about themselves		Collaboration and communication Personnel development Digital literacy	Computer set Projectors Sound System Web Resources Video Site: https://edu.gcfglobal.org/en/powerpoint/saving-presentations/1/ https://youtu.be/6904q24EImM https://www.youtube.com/watch?v=DyredPe8tk Documents: https://support.microsoft.com/en-us/office/add-and-format-text-in-powerpoint-c641613c-435a-4c0e-9e89-2b4cedb6198a https://edu.gcfglobal.org/en/powerpoint/saving-presentations/1/
4	BST(BASIC SCIENCE) SOIL (II): GROWING OF PLANTS -Soil preparation. -Planting and nurturing of plants.	By the end of the lesson, pupils should be able to: explain soil preparation; write how crops are planted and nurtured.	-Class brainstorms on soil preparation. -Pupils in small groups describe and write out how crops are planted and nurtured. Pupils as pairs practice planting and nurturing	Critical thinking and problem solving communication and collaboration leadership and personal development	Audio – visual resources : Picture of cultivated, land, hoes, cutlass, flowers, bean/maize seeds, empty can, soil and manure etc Web resources: https://study.com/academy/lesson/soil-lesson-plan.html
	BST (PHYSICAL HEALTH EDUCATION)	By the end of the lesson, pupils should be able to: Define waste disposal	Pupils in small group define waste disposal	(i) Citizenship (ii)Critical thinking and problem solving	(i) http://www.google.com/search (ii)Youtube chartered institute.
	Environmental Health (i) Meaning of waste disposal -Sewage disposal -Refuse disposal	Mention types of waste disposal (iii) Explain the types of waste disposal	i) pupils in pairs mention types of waste disposal pills as down to the displayed waste disposal method s chats to compare and analyze the difference and say the types - Students in small groups participate in the school environmental sanitation. - Students as a class explain the meaning of waste disposal.	(iii) Communication and Collaboration	(iii) www.pbslearningmedia.org (iv) www.publichealth.org (v) www.who.int/ceh/beh/tp1.pdf (vi) www.britanica.com https://idoceonline.com Expresswasteremovals.co.uk https://byjus.com/biology (ix) https://en.m.wikipedia.org Audio Visual - Chart - Poster - Hand gloves - Brooms - Rakes
	BST (IT) Formatting	By the end of the lesson, pupils should be able to: Load the saved composition and format it	Individually, students should load the saved composition and format accordingly	Critical thinking Collaboration and communication Personnel development Digital literacy	Audio Visual: Charts Computer set Projectors Sound System Web Resources Video Site: https://www.youtube.com/watch?v=oH2mRvGKIUC https://youtu.be/6904q24EImM
5	BST(BASIC SCIENCE) MIXTURE -Definition of mixture -Examples of common mixtures: cereal and milk, flour and butter, cream and sugar, coffee and cream, honey and tea. -Examples of other mixtures: Dirt and water, sand, water and gravel, smoke and fog. -Reason for mixtures: formation of new things and materials	By the end of the lesson, pupils should be able to: explain the meaning of mixture; enumerate examples of common mixtures; discuss other examples of mixtures. Explain how mixtures form new things and materials.	-Class discusses the meaning of mixture. -Class brainstorms on the common examples of mixtures. -Pupils in small groups discuss other examples of mixtures and a volunteer of each group share their ideas with the larger class. -Pupils create new things by mixing different substances.	Critical thinking and problem solving communication and collaboration Leadership and personal development. Creativity and imagination	Audio – visual resources : Cereal, milk, flour, butter, cream, sugar, coffee, cream, honey, tea, gravel, water water colour. Etc. Web resources: www.examples.yourdictionary.com

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	BST (PHYSICAL HEALTH EDUCATION) Physical fitness Meaning of physical fitness Physical fitness Exercises e.g. Push, squat, bend, sit up etc.	By the end of the lesson, pupils should be able to: - Define Physical Fitness - Mention types of exercises in physical fitness - list the importance of physical fitness - Demonstrate physical fitness exercise	Pupils as a class define physical fitness pupils in small groups mention types of exercises in physical fitness pupils as a group as individual explains physical fitness	(i) Collaboration and communication (ii) critical thinking and problem solving (iii) citizenship	http://www.google.com/see www.spps.org www.nia.nih.gov/health Audio Visual - Chart - Picture - Mats - Whistle - Mats
	BST (IT) Virus Types of Virus Causes of Virus	By the end of the lesson, pupils should be able to: Explain virus Outline the different types of virus and their causes	Pupils, in small groups, discuss the viruses, the types and causes.	Critical thinking Collaboration and communication Personnel development Digital literacy	https://youtu.be/n6m2m0u0u0k 2nQ
6	BST(BASIC SCIENCE) TECHNOLOGY(I) -Definition of technology -Importance of technology	By the end of the lesson, pupils should be able to: State the meaning of technology; Write out the importance of technology	-Pupils discuss what technology is to them. -Pupils think, write down, and share the most important technology they know. -Pupils in small groups discuss and write out the importance of technology. A member of each group makes presentations to the class.	Critical thinking and problem solving, communication and collaboration leadership and personal development	Audio – visual resources Chart and pictures showing technological products Bulbs, phones, computers, etc Web resources: www.youtube.com/watch?v=Giz81_uzK8
	BST (PHYSICAL HEALTH EDUCATION) Games: Basketball Skills: -Dribbling, Bouncing, -Throwing, catching, Passing	By the end of the lesson, pupils should be able to: mention the Skills in basketball game demonstrate the skills in basketball game	Pupils as a class mention the skills in basketball, Pupils in a small group demonstrate skills in basketball. (iii)Pupil as individual practice at least two of the mentioned skills in basketball	Collaboration and Communication Leadership and Personal Development Critical thinking and Problem Solving	https://dimention.com http://www.google.com/see www.ruleofsport.com Audio Visual - Charts - Basketball court - basketball - Whistle - Stop watch - Board - Marker
	BST (IT) Anti – virus Types of anti – virus	By the end of the lesson, pupils should be able to: Explain anti – virus Outline the different types of anti – virus	Pupils, as a class, discuss anti – virus and the types.	Critical thinking Collaboration and communication Personnel development Digital literacy	https://youtu.be/1_rX02E6sB8
7	MID TERM BREAK				
8	BST(BASIC SCIENCE) TECHNOLOGY(II) Products of technology	By the end of the lesson, pupils should be able to: mention and identify the products of technology; draw some products of technology; give examples of some inventors and the technology they invented.	Pupils in small group walk round the class to see some products of technology. -Pupils in pairs list out some examples of technological products. -Pupils take turn to go round to see the pictures of some inventors and the technology they invented. -Pupils in small groups discuss and write down the importance of new technology	Critical thinking and problem solving creativity and imagination communication and collaboration leadership and personal development	Audio – visual resources Chart and pictures showing technological products Bulbs, phones, fans, fridge, gas cooker, blender, air condition, computers, etc Web resources: www.youtube.com/watch?v=Giz81_uzK8
	BST (PHYSICAL HEALTH EDUCATION) Game (Basketball Court) Rules Regulations Officials	By the end of the lesson, pupils should be able to: mention the rules governing the game of basketball List officials in basketball game	(i) Pupils as individual explains at least a rule each	Communication and Collaboration Citizenship Critical thinking and Problem Solving	https://dimention.com http://www.google.com/see www.ruleofsport.com Audio Visual - Chart - Basketball court - Picture
	BST (IT) Coding What is coding? Why should I learn to code?	By the end of the lesson, pupils should be able to: describe coding, and why it is important to learn it.	Pupils, in small groups, discuss career opportunities for coders.	Critical thinking Collaboration and communication Problem Solving Digital literacy	https://youtu.be/paK6G0u0n0
9	BST(BASIC SCIENCE) MEASUREMENT (MEASURING LIQUIDS). -Materials for measuring liquids. -Metric units for measuring liquids: cm mm -Measuring the volume of liquids.	By the end of the lesson, pupils should be able to: Identify materials for measuring liquids; enumerate the metric units of volume; measure liquids accurately; improvise a measuring cylinder with estimated scales for volumes in metric units.	-Pupils write down the materials used for measuring liquids. -Class brainstorm on the metric units of volume. -Pupils in small groups measure liquids accurately in turns by using measuring cylinders, graduated jars and cups and record their measurement correctly.	Creativity and imagination critical thinking communication and collaboration Creativity and imagination	Audio – visual resources Measuring cylinders of different sizes. Water, other liquids, jam jars, funnel, rulers, strips of paper, pens, notebooks, coke bottle, juice drink pack.

