



**LAGOS STATE MINISTRY OF EDUCATION  
UNIFIED SCHEMES OF WORK FOR PRIMARY SCHOOLS  
BASIC SCIENCE AND TECHNOLOGY**

**PRIMARY FIVE FIRST TERM**

WEEKS	TOPICS	LEARNING OBJECTIVES	LEARNING ACTIVITIES	EMBEDDED CORE SKILLS	LEARNING RESOURCES
1	READINESS TEST AND REVISION				
2	BST(BASIC SCIENCE)  ENVIRONMENTAL QUALITY Meaning of environmental quality Advantages of a healthy environment Healthy vs degraded environment Disadvantages of degraded environment.	By the end of the lesson, pupils should be able to: -tell what environmental quality is; -appraise healthy environment; -differentiate between a healthy and a degraded environment; -state the disadvantages of degraded environment  -Describe the factors which degrade the environment	-Pupils observe their environment and discuss the quality of their environment.  - Pupils in small groups classify their environment as either healthy or degraded  -Pupils in small groups discuss the advantages of healthy  -Pupils in small groups discuss on disadvantages of degraded environment. -Pupils in small groups discuss and identify the factors which degrade their environment	Critical thinking and problem solving communication and collaboration creativity and imagination	Audio – visual resources: dustbin, broom, dustpan, rake, scrubbing brush shovel, pictures of a well beatified environment. Web resources: <a href="https://www.teacher.org/lesson-plans/envir-onmental/">https://www.teacher.org/lesson-plans/envir-onmental/</a>
	BST (PHYSICAL HEALTH EDUCATION) Creativity Rhythmic	By the end of the lesson, Pupils should be able to: 1- explain rhythmic activities 2- mention types of rhythmic activities (marching, galloping, hopping, singing, dancing) etc. 3- demonstrate rhythmic activities (marching, galloping, hopping, singing, dancing)	1- Pupils in small groups explain the meaning of rhythmic activities.  2- Pupils as a class mention types of rhythmic activities (marching, galloping, hopping, singing, dancing) etc.  3- Pupils in pairs demonstrate rhythmic activities such: as singing, dancing, marching etc.	1-Collaboration & Communication. 2- Leadership & Personal Development. 3-Critical thinking and problem solving.	1- Website resources i. <a href="https://study.com/academy/lesson/categories-of-rhythmic-activities.html">https://study.com/academy/lesson/categories-of-rhythmic-activities.html</a> ii. <a href="https://www.youtube.com/watch?v=llphUpa0vko">https://www.youtube.com/watch?v=llphUpa0vko</a> iii. <a href="https://www.youtube.com/watch?v=Mllmqiky-sQ">https://www.youtube.com/watch?v=Mllmqiky-sQ</a> 2- Audio visual resources - Flash Card - Poster - Music - Dancing Costumes - Whistles
	BST (IT) Exploration of files from the system Identify files to be copied Copying files from one directory to the another	By the end of the lesson, pupils should be able to: Identify the different forms of files and where they are saved. Experiment the process of coping files from one directory to another.	Pupils, in pairs, experiment the pprocess of identifying files and coping them from one directory to another.	Critical thinking Collaboration and communication Personnel development Digital literacy	<a href="https://youtu.be/eec2kteGkcm">https://youtu.be/eec2kteGkcm</a>
3	BST(BASIC SCIENCE)  Changes around us (Erosion):  Meaning of erosion causes of erosion;	By the end of the lesson, pupils should be able to: -state the meaning of erosion;  -list and explain the types of erosion;  -discuss the causes of erosion.  -explain the effects of erosion in their environment	-Pupils in small groups walk round the class in turn to see the pictures of erosion sites. -Class discusses the meaning of erosion. -Pupils in pairs list and explain the types of erosion. -Pupils visit and observe erosion sites in the locality or study chart of erosion sites and write down their observations. -Pupils in small groups discuss the causes of erosion and present to the class.	critical thinking and problem solving communication and collaboration  leadership and personal development	Audio – visual resources : Pictures / video clips of different types of erosion  Web resources: <a href="https://study.com/academy/lesson/erosion-lesson-for-kids-definition-facts-types.html">https://study.com/academy/lesson/erosion-lesson-for-kids-definition-facts-types.html</a>
	BST (PHYSICAL HEALTH EDUCATION) Creativity Rhythmic	By the end of the lesson, Pupils should be able to: 1- discuss meaning rhythmic activities  2- list types of rhythmic activities (marching, galloping, hopping, singing, dancing) etc.  3- demonstrate rhythmic activities (marching, galloping, hopping, singing, dancing)	1- Pupils as a group discuss the meaning of rhythmic activities and site examples 2- Pupils as an individual list types of rhythmic activities (marching, galloping, hopping, singing, dancing, swinging, rolling) etc. 3- pupils in small group demonstrate rhythmic activities such as; galloping, marching, hopping	1-Collaboration & Communication.  2- Leadership & Personal Development.  3-Critical thinking and problem solving.	1- Website resources i. <a href="https://study.com/academy/lesson/categories-of-rhythmic-activities.html">https://study.com/academy/lesson/categories-of-rhythmic-activities.html</a> ii. <a href="https://www.youtube.com/watch?v=Mllmqiky-sQ">https://www.youtube.com/watch?v=Mllmqiky-sQ</a> iii. <a href="https://www.youtube.com/watch?v=llphUpa0vko">https://www.youtube.com/watch?v=llphUpa0vko</a> <b>Audio Visual</b> - Flash cards - Poster - Charts - Pictures - Music - Whistles

<p>BST (IT)</p> <p>Keyboard short cuts</p>	<p>By the end of the lesson, pupils should be able to:</p> <p>Outline the different types of keyboard short cuts</p>	<p>Pupils individually, try out different keyboard short cuts</p>	<p>Critical thinking Collaboration and communication Personnel development Digital literacy</p>	<p>RESOURCES</p> <p>2- Audio visual resources Flash Card Poster Dancing Costumes Audio Visual: Charts Computer set Projectors Sound System Web Resources Video Site:</p>
<p>BST(BASIC SCIENCE)</p> <p>Changes around us (Erosion): Effects of erosion</p>	<p>By the end of the lesson, pupils should be able to: -discuss the effect of erosion on the environment</p>	<p>Pupils walk round the class to see the pictures of erosion. -Class brainstorms on how erosion can affect the environment.</p>	<p>Critical thinking and problem solving communication and collaboration</p>	<p>Audio – visual resources Pictures of erosion sites video clips Web resources:</p>
<p>Control of erosion.</p>	<p>-describe how to prevent and control erosion</p>	<p>-Pupils think and write down the ways erosion affects them individually. -Pupils in small groups discuss and write down how erosion can be prevented and controlled. -Each pupil thinks and writes down what they can do individually to prevent and control erosion in their environment.</p>	<p>leadership and personal development</p>	<p><a href="https://study.com/academy/lesson/erosion-lesson-for-kids-definition-facts-types.html">https://study.com/academy/lesson/erosion-lesson-for-kids-definition-facts-types.html</a></p>
<p>BST (PHYSICAL HEALTH EDUCATION)</p> <p>Athletics- Field events (Long jump)</p>	<p>By the end of the lesson, Pupils should be able to: 1- demonstrate jumping activities, e.g. jump and reach, jump and touch, jumping on the spot 2- discuss the concept of long jump. 3- list basic phases in long jump events (approach run, take-off, flight, landing, recovery) 4- demonstrate long jump phases on the field</p>	<p>1- Pupils in pairs demonstrate jumping activities, e.g. jump and reach, jump and touch, jumping on the spot 2- Pupils in a small group discuss the concept of long jump event 3- Pupils as a group list basic phases in long jump events (approach run, take-off, flight, landing, recovery) 4- Pupils in groups demonstrate the basic phases in Jumps events on the field (Long jump).</p>	<p>1- Collaboration &amp; Communication. 2- Leadership &amp; Personal Development. 3-Critical thinking and problem solving. 4- Digital literacy</p>	<p>1- Website Resource: i- <a href="http://www.youtube.com/watch?v=p1LskIX6rf6pMA">http://www.youtube.com/watch?v=p1LskIX6rf6pMA</a> ii. <a href="https://youtu.be/h7IX6rf6pMA">https://youtu.be/h7IX6rf6pMA</a> iii- <a href="https://youtu.be/IXW_EHq4nh0">https://youtu.be/IXW_EHq4nh0</a> iv- <a href="https://youtu.be/xZP2FNoAL8w">https://youtu.be/xZP2FNoAL8w</a> 2- Audio visual resources - Flash Card - Whistle - Poster - Long jump pit - Measuring tape - Take off board</p>
<p>BST (IT)</p> <p>Introduction to internet Meaning History Terminologies</p>	<p>By the end of the lesson, pupils should be able to: Explain the term Internet Discuss the history of internet Articulate the various internet terminologies</p>	<p>Pupils, in small groups, discuss the meaning of internet, its history and terminologies</p>	<p>Critical thinking Collaboration and communication Personnel development Digital literacy</p>	<p><a href="https://youtu.be/GZH47h9LqM">https://youtu.be/GZH47h9LqM</a></p>
<p>5</p> <p>BST(BASIC SCIENCE)</p> <p>Land and Noise pollution: Land and noise Pollutants (paper, stagnant water etc.) Sources of Land and noise pollution Effects of Land and noise pollution Control of Land and noise pollution.</p>	<p>By the end of the lesson, pupils should be able to: -explain the meaning of land and noise pollution; -examine the types and effect of land pollution; -examine the effect of noise and land pollution ; - determine ways of preventing and controlling land and noise pollution.</p>	<p>-Class picks the dirt around the class and brainstorm on the meaning of land pollution. - Class listens to a very loud radio, shout at the top of their voice and brainstorm on the effects of noise pollution. -Pupils in small groups write down the effects of noise and land pollution -Pupils in pairs discuss ways of controlling and preventing noise and land pollution</p>	<p>critical thinking and problem solving communication and collaboration creativity and imagination</p>	<p>Audio – visual resources Charts / video showing different types of land pollution, drum and drum sticks, radio. Web resources: <a href="https://study.com/academy/lesson/land-pollution-lesson-for-kids.html">https://study.com/academy/lesson/land-pollution-lesson-for-kids.html</a> <a href="https://study.com/academy/lesson-plan.html">https://study.com/academy/lesson-plan.html</a></p>

WEEKS	TOPICS	LEARNING OBJECTIVES	LEARNING ACTIVITIES	EMBEDDED CORE SKILLS	LEARNING RESOURCES
	BST (PHYSICAL HEALTH EDUCATION)  Athletics- Field events (High jump)	By the end of the lesson, Pupils should be able to: 1- demonstrate jumping activities, e.g. jump and reach, jump and touch, jumping on the spot  2- discuss the concept of long jump 3- list basic phases in high jump events (approach run, take-off, flight, landing, recovery) 4- demonstrate long high phases on the field	1- Pupils in pairs demonstrate jumping activities, e.g. jump and reach, jump and touch, jumping on the spot  2- Pupils in a small group discuss the concept of high jump event  3- Pupils as a group list basic phases in high jump events (approach run, take-off, flight, landing, recovery)  4- Pupils in groups demonstrate the phases in high jumps events on the field	1- Collaboration & Communication.  2- Leadership & Personal Development.  3- Critical thinking and problem solving.  4- Digital literacy	1- Website resources i- <a href="https://youtu.be/CbsqXzBbHSE">https://youtu.be/CbsqXzBbHSE</a> ii- <a href="https://youtu.be/SVnngqV3PBE">https://youtu.be/SVnngqV3PBE</a> iii- <a href="https://youtu.be/Mfaj-OdbS-c">https://youtu.be/Mfaj-OdbS-c</a> iv- <a href="https://www.youtube.com/playlist?list">https://www.youtube.com/playlist?list</a>  2- Audio visual resources Flash Card Poster high jump pit Measuring tape High jump poles/stand and cross-bar Landing foam
	BST (IT)  Networking	By the end of the lesson, pupils should be able to:	Pupils, in small groups, discuss networking, the importance, types and its uses.	Critical thinking Collaboration and communication	<a href="https://youtu.be/EWTJKcg7Pj8">https://youtu.be/EWTJKcg7Pj8</a>
	Definitions Types, importance and uses	Explain networking Outline the importance of networking, the types and its uses.		Personnel development Digital literacy	
6	BST (BASIC SCIENCE)  Waste and Waste Disposal  Meaning of waste  Waste constitutes  Types of waste (bottles, papers, wood litter, sticks) Effects of waste in the environment	By the end of the lesson, pupils should be able to:  -explain the meaning of waste;  -list the types of waste;  -analyze waste constitutes;	Class gives examples of those things that they think are not useful to them and brainstorm on the meaning of waste. -Pupils in pairs state the types of waste. -Pupils in small groups discuss the things that constitute waste. -Pupils in small groups discuss the effects of waste in their environment	critical thinking communication and collaboration	Audio – visual resources : empty milk cartons, newspapers, toilet paper rolls, empty bottles Web resource: <a href="https://study.com/academy/lesson/waste-management-lesson-plan.html">https://study.com/academy/lesson/waste-management-lesson-plan.html</a>
	BST (PHYSICAL HEALTH EDUCATION)  Personal Health care	By the end of the lesson, Pupils should be able to: 1- Identify materials needed for personal health care  2- explain meaning of personal health care  3- justify the importance of personal health care  4- compare between clean teeth and dirty teeth  5- investigate the causes, and prevention of dental problems	1- Pupils as a whole class identify materials needed for personal health care  2- Pupils in pairs explain the meaning of personal health care 3- Pupils in groups justify the importance of personal health care  4- Pupils in a small group compare between clean teeth and dirty teeth from the picture  5- Pupils as a class investigate the causes and prevention of dental problems	1- Collaboration & Communication.  2- Leadership & Personal Development.  3- Critical thinking and problem solving.  4- Digital literacy	1- Website resources i- <a href="https://youtu.be/iQ2OKH5Wrl">https://youtu.be/iQ2OKH5Wrl</a> ii- <a href="https://youtu.be/keBNmwWxbZE">https://youtu.be/keBNmwWxbZE</a> iii <a href="https://www.youtube.com/watch?v=jq2e0kh5wri">https://www.youtube.com/watch?v=jq2e0kh5wri</a>  2- Audio visual materials Charts Posters Flip charts Diagram of the tooth Materials for personal health care e.g. tooth brush and past, etc.
	BST (IT)  Internet browser	By the end of the lesson, pupils should be able to:	Whole class brainstorm on the meaning of internet browser, the various types and their uses.	Critical thinking Collaboration and communication	<a href="https://youtu.be/9X7mevvtUll">https://youtu.be/9X7mevvtUll</a>
	Definition Lists of browser and uses	Explain the meaning of internet browser Outline the different types of internet browsers and their uses.		Personnel development Digital literacy	
7	MID TERM BREAK				



WEEKS	TOPICS	LEARNING OBJECTIVES	LEARNING ACTIVITIES	EMBEDDED CORE SKILLS	LEARNING RESOURCES
	Control of water and air pollution BST (PHYSICAL HEALTH EDUCATION) Basketball game	By the end of the lesson, Pupils should be able to: Discuss the history of basketball 1- differentiate between facilities and equipment in basketball games 2- demonstrates basic skills in basketball game 3- investigate the advantages playing basketball game 4- recommend the safety measure in playing basketball game	1- Pupils in small groups differentiate between facilities and equipment in basketball games Such as: playing court, balls, backboard and the stand, canvas, jerseys, shocks, kneel cap. 2- Pupils in a small group demonstrate basic skills in basketball game 3- Pupils as a class investigate the advantages of playing basketball game 4- Pupils in groups, recommend the safety measure in playing basketball game 5- Pupil as a class discuss the history of Basketball	1- Leadership & Personal Development. 2- Digital Literacy 3- Collaboration & Communication. 4- Critical Thinking & problem solving 5- Creativity & Imagination	1- Websites resources i- <a href="https://youtu.be/2IFq7T6p mu8">https://youtu.be/2IFq7T6p mu8</a> ii- <a href="https://youtu.be/BSzSI1N WAWU">https://youtu.be/BSzSI1N WAWU</a> iii- <a href="https://youtu.be/HocvtTW ED64">https://youtu.be/HocvtTW ED64</a> 2- Audio visual materials Basketball court Chart Pictures Video clip Basket balls Canvas Socks/hose Kneel cap Backboard Board support Basketball net
	BST (IT) Types of Text Based Programming Languages and their uses.	By the end of the lesson, pupils should be able to: Identify various types of Text Based Programming Languages such as HTML, CSS, C++, C#, Python, Java, PHP etc	Pupils in pairs, discuss problems that programming languages can solve.	Critical thinking Collaboration and communication Personnel development Problem solving	<a href="https://youtu.be/hx4NNTY b85c">https://youtu.be/hx4NNTY b85c</a>
10	BST(BASIC SCIENCE) ENVIRONMENTAL QUALITY	By the end of the lesson, pupils should be able to:	-Pupils think and write down the advantages of maintaining a healthy environment	Creativity and imagination Communication and collaboration	Audio – visual resources : Charts of a dirty environment, dustbin, broom, dustpan, rake,
	Ways of maintaining healthy environment -materials for maintaining healthy environment	-describe ways of maintaining a healthy environment. -identify ways of maintaining healthy and beautiful school environment. -write materials for maintaining healthy environment.	-Pupils clean up the class and discuss on ways of maintaining healthy environment. - Pupils in pairs write out materials for maintaining healthy environment.	Critical thinking and problem solving Leadership and personal development	scrubbing brush shovel, pictures of a well beatified environment. Web resources: <a href="https://www.teacher.org/lesson-plans/environmental/">https://www.teacher.org/lesson-plans/environmental/</a>
	BST (PHYSICAL HEALTH EDUCATION) Football game	By the end of the lesson, Pupils should be able to: 1- compare between facilities and equipment in football and other ball games 2- demonstrates basic skills in football game 3- investigate the advantages playing football game 4- recommend the safety measure in playing football game 5- discuss brief history of football	1- Pupils in small groups compares between facilities and equipment in football and other ball games Such as: football pitch, balls, nets, canvas/footwear, jerseys, shocks, gloves, shine guard, 2- Pupils in a small group walk down to display basic skills in football game 3- Pupils as a class investigate the advantages of playing football game 4- Pupils in groups, recommend the safety measure in playing football game 5- Pupils as a class discuss the brief history of Football.	1- Collaboration & Communication. 2- Digital Literacy 3- Leadership & Personal Development. 4- Critical Thinking & problem solving 5- Creativity & Imagination.	1- Websites resources i- IFAB.com ii- <a href="https://youtu.be/pRZ-2MOEivM">https://youtu.be/pRZ-2MOEivM</a> iii- <a href="https://youtu.be/2MNaq8N OIvE">https://youtu.be/2MNaq8N OIvE</a> iv- <a href="https://youtu.be/rTJ1 CRk 3o">https://youtu.be/rTJ1 CRk 3o</a> v- <a href="https://youtu.be/WBZlZFcRc">https://youtu.be/WBZlZFcRc</a> vi <a href="https://youtu.be/wlhCRhF OnCM">https://youtu.be/wlhCRhF OnCM</a> vii- <a href="https://youtu.be/NXfc8bqN Q 4">https://youtu.be/NXfc8bqN Q 4</a> 2- Audio visual materials Football field/pitch Chart Pictures Video clip Balls - Goalpost - Nets - Shine guard - Whistles

LEARNING RESOURCES					
	BST (IT) Introduction to Web and App Development	By the end of the lesson, pupils should be able to:  Understand and explain the difference between Web and App development	Whole class brainstorm on the meaning of Web and App development with examples.	Critical thinking Collaboration and communication Personnel development Digital literacy	Footwear/soccer boot Jerseys Stocking/socks/hose <a href="https://youtu.be/ib0RfYCa0Bs">https://youtu.be/ib0RfYCa0Bs</a>
11	BST(BASIC SCIENCE)  REPRODUCTION IN PLANTS:  -Parts of a flower;  -Pollination; Meaning Types Process Agents.  BST (PHYSICAL HEALTH EDUCATION) Revision	By the end of the lesson, the pupils should be able to: -identify parts of a flower; -explain the meaning of pollination; -identify agents and types of pollination -draw and label a flower; -illustrate the process of pollination	Pupils in small groups take a look at hibiscus flowers in order to guide them to identify parts of a flower Pupils in pairs draw and label a flower. Pupils in small groups discuss pollination of flowers. Pupils in small group illustrate the process involved in pollination	Creativity and imagination Communication and collaboration Critical thinking and problem solving Leadership and personal development	Audio- Visual Resources: Potted flowers, seeds, charts of growing plants.  Web- Resources:
12	REVISION				
13	EXAMINATION				