



BOKARO PUBLIC SCHOOL

SECTOR-III/C,B.S.CITY

SYLLABUS SESSION 2025-26

Class-7

Subject- **SCIENCE**

Sl. No	MONTH S	W/D	W.D	CHAPTER'S NAME/TOPIC	ACTIVITY
1	April	22		CH- 1, <u>NUTRITION IN PLANTS</u> <ul style="list-style-type: none"> • MODES OF NUTRITION • AUTOTROPHIC NUTRITION • PHOTOSYNTHESIS • CHLOROPHYLL • TYPES OF NUTRITION • HETEROTROPHIC NUTRITION CH-2, <u>NUTRITION IN ANIMALS</u> <ul style="list-style-type: none"> • HOLOZOIC NUTRITION • NUTRITION IN AMOEBA • NUTRITION IN HYDRA • NUTRITION IN HUMAN BEINGS • DIGESTIVE SYSTEM IN RUMINANTS • DIGESTION,TRANSPORTATION AND RESPIRATION 	<ul style="list-style-type: none"> • Make a diagram of human digestive system with the help of thermocol, cardboard pipes, clay etc. • To create working model of human teeth.
2	May	7		CH- 3 <u>MATERIALS OF DAILY USE</u> <ul style="list-style-type: none"> • EFFECT OF CLIMATE ON CLOTHES • FABRIC AND FIBRES • CLASSIFIED INTO CATEGORIES 	<ul style="list-style-type: none"> • Exploring the different types of fibers, their origins, and the processes involved in turning them into fabric
3	June			CH-, 4 <u>HEAT & TEMPERATURE</u> <ul style="list-style-type: none"> • HEAT IS A FORM OF ENERGY • TEMPERATURE • MEASUREMENT OF TEMPERATURE • DIFFERENT MODES OF TRANSFER OF HEAT • VACUUM FLASK 	<ul style="list-style-type: none"> • Place different materials (metal, wood, plastic, etc.) in a bowl of hot water and observe how quickly they heat up. • investigating different ways heat is transferred and how it affects materials.
				23	

4	July	23	<p>CH-5 <u>ACID, BASED AND SALTS</u></p> <ul style="list-style-type: none"> ● <u>ACIDS</u> ● <u>BASED</u> ● <u>SALTS</u> ● <u>INDICATORS</u> ● <u>NEUTRILISATION</u> <p>CH-11 <u>TIME & MOTIONS</u></p> <ul style="list-style-type: none"> ● MEASUREMENT OF TIME ● REST & MOTION ● TYPES OF MOTIONS ● SPEED 	<ul style="list-style-type: none"> ● A piece of red litmus paper will turn blue when a base is applied, and a piece of blue litmus paper will turn red when an acid is applied. ● observing and analyzing the motion of objects in their surroundings, focusing on the time it takes for an object to move a certain distance.
5	August	18	<p>CH- HOW THINGS CHANGE</p> <ul style="list-style-type: none"> ● CHEMICAL SUBSTANCES & CHEMICAL FORMULA ● CHEMICAL REACTIONS ● CHARACTERISTICS OF A CHEMICAL REACTION 	<ul style="list-style-type: none"> ● list of 10 changes that can be observed around you, categorized for clarity:(physical & chemical change)
6	Sep	9	<p><u>REVISION FOR HALF YEARLY</u></p>	
7	October	12	<p>CH-8 <u>BREATH OF LIFE</u></p> <ul style="list-style-type: none"> ● RESPIRATION ● RESPIRATION IN PLANTS ● RESPIRATION IN ANIMALS ● MECHANISM OF BREATHING <p>CH-10- <u>MULTIPLICATION IN PLANTS</u></p> <ul style="list-style-type: none"> ● <u>RREPRODUCTION IN PLANTS</u> ● <u>VEGETATIVE REPRODUCTION BY LEAVES, ROOTS, STEMS</u> ● <u>POLLINATION</u> ● <u>FERTILIZATION</u> 	<ul style="list-style-type: none"> ● A picture of a bee, popsicle stick, sticky tape, glue, gelatin powder, two flower outlines, and two plates.
8	November	20	<p>CH-9 <u>MOVEMENT OF SSUBSTANCES</u></p> <ul style="list-style-type: none"> ● TRANSPORT OF WATER AND FOOD IN PLANTS ● TRANSPORT OF MATERIALS IN ANIMALS ● TRANSPORT OF MATERIALS IN HUMANS ● HUMAN CIRCULATORY SYSTEM 	
9	December	19	<p>CH-12 <u>ELECTRIC CURRENT & CIRCUITS</u></p> <ul style="list-style-type: none"> ● <u>EELECTRIC CURRENT</u> ● <u>CIRCUIT</u> ● <u>SWITCH</u> ● <u>EFFECTS OF CURRENTS</u> ● <u>ELECTROMAGNETS</u> <p>CH14 <u>LIGHT</u></p> <ul style="list-style-type: none"> ● <u>LIGHT TRAVEL IN STRAIGHT LINE</u> ● <u>RELECTION</u> ● <u>IMAGE</u> ● <u>MIRROR</u> ● <u>LRNSES</u> 	<ul style="list-style-type: none"> ● Use prisms to separate white light into its constituent colors, creating a rainbow effect.

				<ul style="list-style-type: none"> ● <u>SPECTRUM</u> 	
10.	January	17		CH15. <u>WATER</u> <ul style="list-style-type: none"> ● <u>NATURAL RESOURCES</u> ● <u>IMPORTANCE OF WATER</u> ● <u>STATES OF WATER</u> ● <u>SOLVENT</u> ● <u>SOURCES</u> ● <u>WATER SCARCITY</u> ● <u>METHODS TO PREVENT WATER SCARCITY</u> 	
11.	February				

● **Note :-**

- Book Name :- THE SCIENCE TIME -7
- Publishers :- CRIMSON
- Teacher's Name:-ANUPRIYA SRIVASTAVA