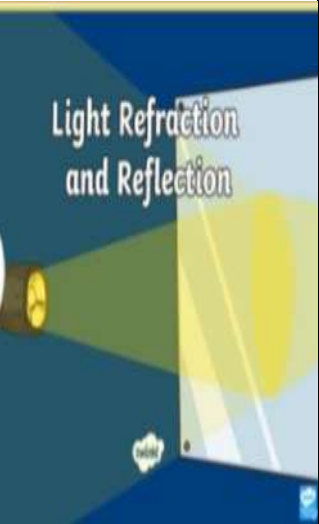
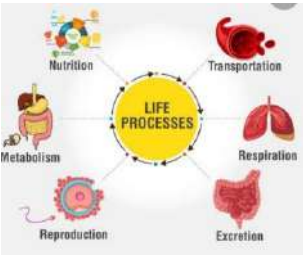
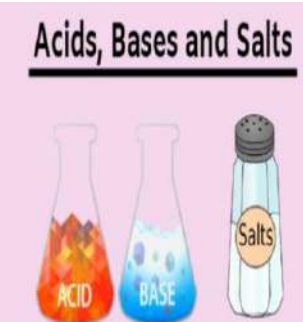
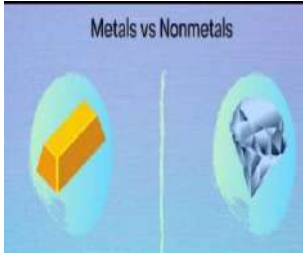
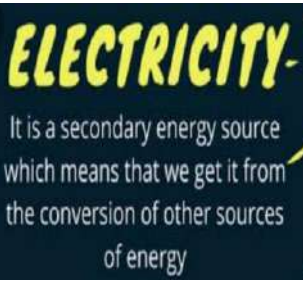

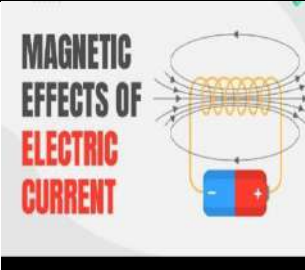
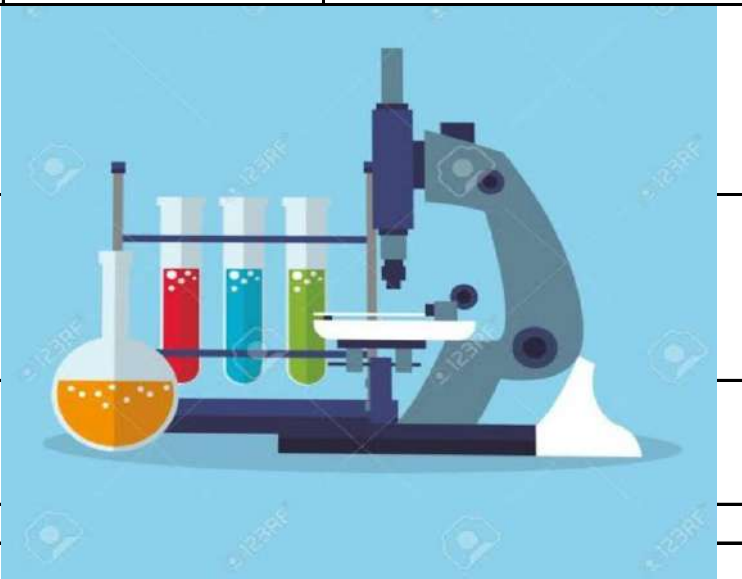


SYLLABUS 2022-23

SUBJECT-SCIENCE		CLASS -X	
TERM I			
MONTH	TEXT BOOK - TOPIC	E LIBRARY TOPIC	ACTIVITY PROJECT/READING/ASL
APRIL	NCERT SCIENCE BOOK & VIVA BOOK CH-1 (CHEMICAL REACTION AND EQUATIONS) CH-10 (LIGHT- REFLECTION AND REFRACTION)		*PERFORMING AND OBSERVING THE FOLLOWING REACTION AND CLASSIFY THEM INTO: (a) COMBINATION REACTION (b) DECOMPOSITION REACTION (c) DISPLACEMENT REACTION (d) DOUBLE DISPLACEMENT REACTION. * DETERMINATION OF FOCAL LENGTH: (a) CONCAVE MIRROR (b) CONVEX LENS. * TRACING THE PATH OF RAY OF LIGHT PASSING THROUGH A RECTANGULAR GLASS SLAB FOR DIFFERENT ANGLES OF INCIDENCE. MEASURE THE ANGLE OF INCIDENCE, ANGLE OF REFRACTION, ANGLE OF EMERGENCE AND INTERPRET THE RESULT.
MAY	NCERT SCIENCE BOOK & VIVA BOOK CH-6(LIFE PROCESS) CH-15 (OUR ENVIRONMENT)		*PREPARING A TEMPORARY MOUNT OF A LEAF PEEL TO SHOW STOMATA. * EXPERIMENTALLY SHOW THAT CARBON DIOXIDE IS GIVEN OUT DURING RESPIRATION.
JULY	NCERT SCIENCE BOOK & VIVA BOOK CH-2 (ACID, BASE AND SALT) CH-11 (HUMAN EYE AND COLOURFUL WORLD)		*FINDING THE PH OF FOLLOWING SAMPLES BY USING PH PAPER AND UNIVERSAL INDICATOR: (a) DILUTE HYDROCHLORIC ACID, (b) DILUTE NAOH SOLUTION (c) DILUTE ETHANOIC ACID SOLUTION (d) LEMON JUICE (e) WATER (f) DILUTE HYDROGEN CARBONATE SOLUTION . *TRACING THE PATH OF THE RAYS OF LIGHT THROUGH A GLASS PRISM

AUGUST	NCERT SCIENCE BOOK & VIVA BOOK CH- 7 (CONTROL AND COORDINATION IN PLANTS AND ANIMALS) CH-3 (METALS AND NON METALS)		*OBSERVING THE ACTION OF Zn, Fe, Cu, AL METALS ON THE FOLLOWING SALT SOLUTIONS: ZNSO ₄ , FeSO ₄ , CuSO ₄ , ARRANGING Zn, Fe, Cu, Al IN DECREASING ORDER OF REACTIVITY BASED ON THE ABOVE RESULTS
SEPTEMBER	NCERT SCIENCE BOOK & VIVA BOOK CH-12 (ELECTRICITY)		*STUDYING THE DEPENDENCE OF POTENTIAL DIFFERENCE (V) ACROSS A RESISTOR ON THE CURRENT (I) PASSING THROUGH IT AND DETERMINE ITS RESISTANCE. ALSO PLOTTING A GRAPH BETWEEN V AND I. *DETERMINATION OF THE EQUIVALENT RESISTANCE OF TWO RESISTORS WHEN CONNECTED IN SERIES AND PARALLEL.
TERM II			
OCTOBER	NCERT SCIENCE BOOK & VIVA BOOK CH-8 (HOW DO WE REPRODUCE) CH-4 (CARBON AND COMPOUNDS)		*STUDYING (A) BINARY FISSION IN AMOEBA, AND (B) BUDDING IN YEAST AND HYDRA WITH THE HELP OF PREPARED SLIDES.2. IDENTIFICATION OF THE DIFFERENT PARTS OF AN EMBRYO OF A DICOT SEED (PEA, GRAM OR RED KIDNEY BEAN). *STUDY OF THE FOLLOWING PROPERTIES OF ACETIC ACID (ETHANOIC ACID): i) ODOUR ii) SOLUBILITY IN WATER iii) EFFECT ON LITMUS iv) REACTION WITH SODIUM HYDROGEN CARBONATE *STUDY OF THE COMPARATIVE CLEANING CAPACITY OF A SAMPLE OF SOAP IN SOFT AND HARD WATER.

NOVEMBER	NCERT SCIENCE BOOK & VIVA BOOK CH-13 (MAGNETIC EFFECT OF ELECTRIC CURRENT) CH-9 (HEREDITY AND EVOLUTION)		PROJECT: MAKING OF ELECTROMAGNET
DECEMBER	PREBOARD EXAM		
JANUARY	PREBOARD EXAM		
FEBRUARY	BOARD EXAM		