

### VIII - Science

MONTH	W.D	PERIODS	CHAPTER	ACTIVITIES	ASSIGNMENT
APRIL	22	11	<b>2. Micro-organisms-Friends Foes</b>	i) Survey to find out the cause, symptoms and preventive measures of diseases Typhoid & Malaria ii) Debate	Make a chart on use of natural and chemical preservatives in different food items.  Observe microorganisms in your kitchen  Worksheet  Collect the labels from the bottles of Jams and Jellies. Enlist the preservatives mentioned on labels.
		11	<b>1. The Cell- its Structure and function</b>	i) Preparation of Onion peel mount ii) Comparative study of plant & animal cell using charts iii) Role play	i) Worksheet ii) Prepare a Jigsaw Puzzle on plant cell/ Animal cell.
MAY	24	9	<b>4. Force and Pressure</b>	i) Group activity to show the effects of force, pressure in daily life. ii) To study the properties of liquid pressure.	Worksheet on nature and kind of forces, use of atmospheric pressure in our daily life  Make a report on how pressure and force is applied on real life objects like knives, shoes and vehicles.
		7	<b>5. Friction</b>	i) To study effect of	To study friction on different surfaces by sliding toy car

		8	8. Conservation of plants and animals	friction in daily life.  i) Poster making  ii) Debate on topic "Development vs Conservation"	on different surfaces  Planting a tree and tracking the growth of sapling. Mark and label major national parks and sanctuaries of India on physical map  Interview family or community about local conservation efforts and make them aware about the same.
JULY	24	7	6. Sources of Energy	Videos related to fuels and energy generation	Maintain a week long diary to track daily energy usage at home and suggest ways to save them.
		10	16. Electric Current and its Chemical Effects	Testing conductivity of various solutions	Workshop
		7	3. Metals and Non metals	To demonstrate chemical properties.	Worksheets  Collect different articles and classify them as metals and non-metals.
AUGUST	22	7	13. Synthetic Fibres and Plastics	To study material made up of Thermoplastic & thermosetting	Worksheet  Worksheet & Collection of different types of fibres and compare their properties.
		7			

		8	<b>17.Stars and Solar System</b>  <b>7.Combustion</b>	Presentation on stars and solar system by students  i)To demonstrate that oxygen is necessary for combustion. ii) To study Zones of candle flame	Worksheets  Kitchen visit  Worksheets
<b>SEPTEMBER -</b>	<b>REVISION &amp; EXAMS</b>				
<b>OCTOBER</b>	19	8	<b>15. Reaching the age of adolescence</b>	Group discussion	Worksheet  Make a chart of endocrine system  Ask elders about their adolescence experiences
		7	<b>10.Refraction and Dispersion of Light</b>	i)To show refraction ii)To study the formation and nature of the image ,using lenses	Worksheet
		4	<b>20. Pollution of Water</b>	Survey of nearby locality regarding the type of filters used by people to purify water.  Poster making	Worksheet
<b>NOVEMBER</b>	22	7	<b>11. The Human Eye</b>	i) To Study human eye with model of eye. ii) Survey on defects of vision.	Worksheet
		8	<b>12. Sound</b>	i) To show propagation of sound through water.	Worksheet

		7	9. Crop production and its management	ii) To study human ear with model of ear.  Visit to a nearby firm.	Worksheet
DECEMBER	24	10	14. Reproduction in Animals	Visit to a poultry farm	Make a chart of life cycle of frog.
		9	19. Pollution of Air	Group discussion & Presentations	Worksheet
		7	18. Earthquake	Poem recitation PPT	Worksheet
January	Revision & Exams				
February	Revision & Exams				

SYLLABUS	
1 <sup>st</sup> UNIT TEST	Chapter- 1
2 <sup>nd</sup> UNIT TEST	Chapter- 4&2
Preboard Exams	Chapter- 1,3,10,11,12,13,14,17,20
Board Exams	Chapters-1,3,10-15,17,20+ Rpted chapters (to be decided by the board)

### Blue Print

Unit Exam	Marks
Very Short Answer Type Questions	4*1=4

Short Questions	2*3=6
Total Marks	10

Sr No.	Typology	No. of Questions	Marks allotted to each question	Total Marks
1.	MCQ	16	1	16
2.	A/R	4	1	4
3.	SAI	6	2	12
4.	SAII	7	3	21
5.	Long Answer	3	5	15
6.	Case Based	3	4	12
Total		39		80