

O.P.JINDAL SCHOOL, SAVITRI NAGAR
ANNUAL SYLLABUS (2025-26)

CLASS-IX

SUBJECT-SCIENCE

Month	I.D.	CHAPTER	ENRICHMENT ACTIVITY	VALUES IMPARTED	EXTRA CONTENT
APRIL	23	1.Matter in our Surroundings	1. Demonstration and matter. discussion of properties of matter	understand the physical and chemical properties of matter	Worksheets , 10 MCQ based on NTSE/OLYMPIADS
		5. Fundamental unit of Life (cont.)	5-Cell city project	able to describe the cell theory, prokaryotic and eukaryotic cells	Genetics, DNA finger printing
		7. Motion	7. To solve Numerical -based on distance and displacement	solve logical problems based on graphs	Worksheets,10MCQ based on NTSE/OLYMPIADS.

JUNE	9	1.Matter in our surrounding	Demonstration and discussion of physical states and inter conversion of states of matter.	To understand the basic quantities and inter conversion of states of matter.	Worksheets , 10 MCQ based on NTSE/OLYMPIADS
		5.Fundamental unit of Life	Poster of cell organelles	understanding of chromosomes, DNA and types of cell division	Importance of cell biology
		7.Motion	To solve numerical based on distance, displacement, speed and velocity	understand the change in velocity	Worksheets , 10 MCQ based on NTSE/OLYMPIADS

JULY	26	2.Is matter around us pure (Continue)	Demonstration and discussion of types of solutions	To understand nature of matter, types of solutions, concentration terms	Numerical based on concentration , MCQ based on NTSE/OLYMPIADS
		6.Tissues (cont.)	Importance of cell biology	Learn different types of epithelial tissues, their location and function.	Human genome project
		8.Force and Laws of Motion	Discuss the importance of inertia , difference between first ,second and third law of motion	understand the solve logical problems based on Newton's law.	Worksheet, MCQ based on NTSE/OLYMPIAD

AUGUST	23	2.Is matter around us pure	Demonstration and discussion of types of matter	To understand the properties of Metals, on metals, metalloids mixtures and compounds	Worksheets , MCQ based on NTSE/OLYMPIADS
		8.Force and Laws of Motion 9. Gravitation	To compare the inertia of different masses	understand the concept and impacts of force Understand many daily life situations explained using apparent weight.	Worksheets ,10 MCQ based on NTSE/OLYMPIADS Worksheets ,10 MCQ based on NTSE/OLYMPIADS
		6.Tissues	To calculate apparent weight To demonstrate that growth of plants occur in certain regions only.	Able to classify and Describe different types of connective tissue.	Recombinant DNA Technology
SEPTEMBER	10	REVISION AND HALF YEARLY EXAMINATION			

OCTOBER	17	3.Atoms and molecules (Continue)	Experiments based on types of mixtures.	To understand particle nature of atoms and molecules ,basic units	Worksheets for formula writing, valencies of elements
		12.Improvement in food resources(cont.)	Make a herbarium of cereals, pulses and oil seeds and identify the seasons of their sowing and harvesting.	Promote conservation of environment, such as organic farming, waste management	MCQ based on NTSE/OLYMPIADS
		9.Gravitation (Continue)	To calculate the weights of objects of different shapes and sizes.	Understand the effect of mass and Newton's law of gravitation	Worksheet,10 MCQ based on NTSE/OLYMPIADS
NOVEMBER	21	3 Atoms and molecules	Chart preparation to understand structure of atom Numerical based on atomic mass ,mole concept	To understand sub atomic particles, structure of atom..	MCQ based on NTSE/OLYMPIADS
		10. Work and Energy	Activity on positive and negative work done.	Calculate work done through graph , Analysis of different kind of energies, Application of Conservation of law of energy.	MCQ based on NTSE/OLYMPIADS
		12.Improvement in food resources(Cont.)	Activity on photoperiod	Analyses and Graphs / figures such as crop yield after application of fertilizers etc	Vernalisation photoperiodism, plant hormones

DECEMBER	13	11. Sound	Activity of reflection of sound.	Activity based on sonar	Worksheets ,MCQ based on NTSE/OLYMPIADS
		12.Improvement in food resources	Activity on different cropping	Applies scientific concepts daily life and solving problems	Parthenocarp, polyembryony, apomixes
		4.Structure of atom (Continue)	Subject enrichment activity		
JANUARY	25	11 .Sound	Activity based on medium required for propagation of sound.	Know the different characteristics of sound. Uses of multiple reflection in daily life.	Worksheets ,10 MCQ based on NTSE/OLYMPIADS
		4.Structure of atom	Subject enrichment activity	To understand the properties isobars isotopes	MCQ based on NTSE/OLYMPIADS
FEBRUARY	7	REVISION and ANNUAL EXAMINATION			

SYLLABUS FOR EXAMINATION

S.NO.	EXAMINATION	MONTH	MAX.MARKS	MAX.TIME	SYLLABUS FOR EXAMINATION
1	P.T-I (Round-1)	July	20	1 Hr	1,5,7
	P.T-I (Round-2)	August	20	1 Hr	2, 6,8
2	HALF YEARLY	September	80	3Hrs	1,2,5,6,7,8,9,
3	P.T-II (Round-1)	November	20	1Hr	3,9, 12
4	P.T-II (Round-2)	January	20	1 Hr	4,10,11,12
5	ANNUAL EXAM	February	80	3Hrs	1,2,3,4,5,6,7,8,9,10,11,12