

Annual & Weekly Syllabus Split-Up - 2025-26
Class- X Subject- Physics

S.No	Month	No. of Working Days		No. of Days	Topic	Sub Topic	Resources	Activity	Mid April Test	Periodic Test 1	Pre Mid Term	Mid Term	Preboard-1	Preboard-2	Practice Test-1	Preboard-3
2	APRIL	23	Week 1	5	Light: Reflection and Refraction	Reflection of light, Reflection of light by curved surfaces, Images formed by spherical mirrors, Centre of curvature, principal axis, principal focus, focal length,	Convex mirror, concave mirror, Optical bench, Pins	Determination of the focal length of concave mirror								
			Week 2	5		mirror formula (Derivation not required), magnification	NCERT, Senses Board,	Prepare Notes								
			Week 3	4		Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed	Convex lens, concave lens, Optical bench, Pins	Determination of the focal length of convex lens by obtaining the image of a distant object.	v							
			Week 4	6		Lens formula(Derivation not required); Magnification. Power of a lens.	Prism, pins, Drawing board	Tracing the path of the rays of light through a glass prism.	v							
			Week 5	3		Functioning of a lens in human eye, defects of vision and their corrections.	NCERT, Senses Board,	Prepare Notes								
3	JUNE	19	Week 1	0	Human Eye and Colourful world											
			Week 2	6		Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life (excluding colour of the sun at sunrise and sunset).	NCERT, Senses Board, You Tube Videos	Prepare Notes								
			Week 3	6	Electricity	Electric current, Potential difference and electric current.	ohms law setup, Senses board, Ncert	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.								
			Week 4	6		Ohm's law, Resistance, Resistivity, Factors on which the resistance of a conductor depends.	Senses board, Ncert	Prepare Notes								
			Week 5	1		Exercise	Senses board, Ncert	Numericals		v						
4	JULY	27	Week 1	5		Series combination of resistors, parallel combination of resistors and its applications in daily life.	Senses board, Ncert	Determination of the equivalent resistance of two resistors when connected in series and parallel.		v						
			Week 2	6		Heating effect of electric current and its applications in daily life.	Senses board, Ncert	Prepare Notes								
			Week 3	6		Electric power, Interrelation between P, V, I and R.	Diagrams and Charts to explain list of formula use in electric power	Prepare Notes								
			Week 4	6	Magnetic effects of electric current	Magnetic field, field lines	Diagrams and Charts to explain list of formula use in magnetism	Prepare Notes								
			Week 5	4		Field due to a current carrying conductor	Explain and diagram related to topic	Prepare Notes								

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