

**SOBTIS PUBLIC SCHOOL (SR. SEC)**  
**ANNUAL CURRICULUM AND PEDAGOGICAL PLAN**  
**SESSION- 2023-24**

**VISION:-"Our vision is to make the youth aspire, discover, redefine, innovate and become successful in life."**

**MISSION:-To develop future-geniuses with active and creative minds, a sense of understanding and compassion for humanity, and the courage to act upon their values and beliefs. We strongly believe in holistic development of each and every child spiritually, morally, intellectually, socially, emotionally and physically.**

**SUBJECT :PHYSICS**

**CLASS: XII**

Month	No. of Working days	No. of periods	Topic	AIL/SUB.IL/SPORTIL	DESCRIPTION
APRIL	18	28	Chapter 1 : Electric Charges and field Chapter 2 : Electric Potential and Capacitance (Partially)	-	-
MAY	17	26	Chapter 2 : Electric Potential and Capacitance Chapter 3 : Current Electricity	<b><u>Subject Integrated Learning</u></b> 1. Making of primary cell	Students will learn about the emf and internal resistance of different cells made with different chemical combinations
				<b><u>Art Integrated Learning</u></b> 2. Visit to Dohna Sub station	Students will learn about the power transmission and distribution.
JULY	24	37	Chapter 4 : Moving charges and Magnetism Chapter 5 : Magnetism and Matter Chapter 6 : Electromagnetic Induction	-	-
AUGUST	25	40	Chapter 7 : Alternating Current Chapter 8 : Electromagnetic Waves Chapter 9 : Ray Optics	<b><u>Art Integrated Learning</u></b> 3. Making colorful chart for rainbow formation	Students will learn about the concept of TOTAL INTERNAL REFLECTION.
				<b><u>Sport Integrated Learning</u></b> 4. Appearance of object's height while swimming	Students will learn about concepts of refraction.
SEPTEMBER	5	8	Chapter 10 : Wave Optics	<b><u>Art Integrated Learning</u></b> 5. Making PPT on YDSE	Students will learn about wave nature of light
				6. Making model on Diffraction of light	Students will be able to understand the concept of diffraction of light by visualizing the pattern

					on the screen.
OCTOBER	22	34	Chapter 11 : Dual Nature of Radiation and Matter Chapter 12 : Atoms Chapter 13 : Nuclei	-	-
NOVEMBER	20	31	Chapter 14 : Semiconductor Electronics	-	-
DECEMBER	16	25	Revision	-	-
JANUARY	18	28	Revision	-	-
FEBRUARY	-		Revision	-	-