

SOBTIS PUBLIC SCHOOL
ANNUAL CURRICULUM AND PEDAGOGICAL PLAN
SESSION 2026-27

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 the holistic development of every child spiritually, morally, intellectually, socially, emotionally, and physically.

SUBJECT: Science

CLASS: VII

MONTH	NO. OF WORKING DAYS	TOPIC	AIL	DESCRIPTION
April	24	Ch-1 Life Processes in Plants	To observe the effect of physical activity on heart rate and circulation. (Sports integrated)	The “Pulse-Rate” Sprint. Students measure their resting pulse, then perform 2 minutes of vigorous exercise (spot running) and measure the pulse again.
		Ch-2 Life Processes in Animals		
May	10	Revision		
July	27	Ch-3 Adolescence	To identify substances as acidic or basic using natural indicators. (Subject integrated)	Turmeric Indicator Lab. Using household items (lemon juice, soap, vinegar, baking soda) to test for acidity using turmeric paste.
		Ch-4 Acidic, Basic and Neutral Substances		
August	23	Ch-5 Electricity :Circuits and their Components		

		Ch-6 Metals and Non-metals	To study the chemical properties of metals and historical methods of prevention. (Subject integrated)	The Iron Age & Rusting Study. Researching historical iron monuments (like the Iron Pillar of Delhi) and comparing them to modern rusting.
September	08	Term-1 Revision		
October	22	Ch-7 Changes Around Us : Physical and Chemical		
November	21	Ch-8 Heat Transfer in Nature		
		Revision		
December	24	Ch-9 Measurement of Time and Motion	To calculate speed and represent motion graphically. (Subject integrated)	Speed-Distance Graphing. Students measure the time taken for a toy car to travel set distances and plot a line graph.
		Ch-10 Shadows and Reflection	To explore how shadows change size and shape based on the position of the light. (Art integrated)	Shadow Puppetry Theatre. Creating opaque cut-outs to tell a story on a translucent screen using a light source.
January	16	Ch-11 Earth, Moon and the Sun		
February	07	Term-2 Revision		