

SOBTIS PUBLIC SCHOOL
Annual Curriculum and Pedagogical Plan (2024-25)

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: MATHEMATICS

Class: VIII

Teacher: Mr. Haziq Shamsi

Month	No. of Working Days	Topic	AIL/SUB IL/ SPORTS IL	Descriptions
April	23	CH. 1 RATIONAL NUMBERS		
		CH. 2 EXPONENTS		
		CH. 3 SQUARE AND SQUARE ROOTS		
		CH. 4 CUBE AND CUBE ROOTS		
May	15	REVISION		
July	26	CH. 5 PLAYING WITH NUMBERS		
		CH. 6 OPERATIONS ON ALGEBRAIC EXPRESSIONS		
		CH. 7 FACTORISATION		
		CH. 9 PERCENTAGE		
		CH.10 PROFIT AND LOSS		
August	24	CH. 12 DIRECT AND INVERSE PROPORTION		
		CH. 13 TIME AND WORK		
		CH. 19 THREE DIMENSIONAL FIGURES		
		CH. 22 INTRODUCTION TO COORDINATE GEOMETRY	To represent different coordinates using beads.(Art IL)	With the help of beads or grains, students will be able to put different coordinate points on graph paper
SEPTEMBER	6	REVISION		
October	22	CH. 16 PARALLELOGRAM		
		CH. 14 POLYGON		

		CH. 18 AREA OF TRAPEZIUM AND A POLYGON	Area Explorer Challenge (Activity based on Area of Trapezium and a Polygon)	With the help of different color papers, and black chart paper, students will make different types of polygons and trapezium and will be able to find their areas.
		CH. 25 PROBABILITY		
November	23	CH. 24 PIE CHARTS	To use the pie chart to find the solutions of different situations from daily life experience using Microsoft Excel (Subject IL)	With the help of Microsoft Excel, Students will put their data in tabular form and then in Pie Chart.
		CH. 8 LINEAR EQUATION		
		CH. 11 COMPOUND INTEREST		
December	18	CH. 15 QUADRILATERALS	Polygon Pursuit (Activity based on Quadrilaterals)	Using plain sheet of paper and different colors students will be able to understand the sum of all interior angles of a quadrilateral
		CH. 17 CONSTRUCTIONS OF QUADRILATERALS		
		CH. 21 DATA HANDLING		
January	20	CH. 20 VOLUME AND SURFACE AREA OF SOLIDS	To Find the surface area and Volume of sports areas in field(Sports IL)	Using different formulae, students will understand to find the volume and surface area of different sport areas like swimming pool,etc.
		CH. 23 LINE GRAPHS AND LINEAR GRAPHS		
February	15	REVISION		