SUBJECT: MATHEMATICS			SYLLABUS FOR THE ACADEMIC YEAR 2022-2023				
OPTION:							
GRADE: 8							

Month	Date	No.of days	Chapter Name	Sub Topics	Class tests	PA	Term Exams
April	11-15	5	Rational Numbers	Introduction of Rational Numbers Addition and subtraction of rational humbers	CT-1	PA-01	First Term Examination
	18- 22	5	Rational Numbers	Addition and Subtraction of Rational Numbers			
	25 - 29	5	Rational Numbers	Multiplication and Division of Rational Numbers			
May	9-13	5	Exponents	Laws of exponents and its applications Scientific notation	CT-2		
	16-20	5	Exponents/ squares and square roots	Laws of exponents and its applications Scientific notation , properties of square numbers			
	23-27	5	Squares and square roots	Square roots by prime factorisatioon method, long diivision method			
	30-31	2	Squares and square roots	Long division method			
June	1-3	3	cubes and cube roots	Prime factorisation method			
	6-10	5	Cubes and cube roots	Prime factorisation method			
	13- 17	5	Cubes and cube roots , playing with numbers	Estimation method, Coding the messages, Number Patterns, Divisibility rules			
	20-24	5	Algebraic Expressions	Algebraic expressions , addition and subtraction			
	27-30	4	Algebraic Expressions	Multiplication and division of polynomials			
August	29-31	3	Algebraic Expressions	Identities			
September	1-2	2	Factorisation	Factorisation by taking common factors, sum and product method			
	5-9	5	Factorisation	Sum and product method, using identities			
	12-16	5	Factorisation	Factorisation using identities			
	19- 23	5	Revision				
	26- 30	5	First Term Examination				
October	3-7	5	First Term Examination				
	10- 14	5	Linear equation in one variable	Applications of linear equations in one variable			
	17 -21	5	Linear equation in one variable	Applications of linear equations in one variable			

Month	Dates	Days	Topic	Details	CT	PA	Annual Examination
October	24-28	5	Comparing quantities	Percentage , Percentage increase / decrease, profit , loss, overhead and discount	*CT-4*		
	31	1	Comparing quantities	Tax		*PA-02*	
November	3- 4	2	Comparing quantities	GST, compound interest			
	7-11	5	Direct and inverse variations	Variations ,Application of variations	*CT-5*		
	14- 18	5	Direct and inverse variations,Quadrilaterals and its basics	Application of variations, Polygons and its basics			
	21-25	5	Quadrilateral and its basics	Properties of quadrilatral and parallelogram			
	28-30	3	Quadrilateral and its basics	Properties of ractangle , square, rhombus and kite			
December	5-9	5	Construction of quadrilaterals	Constructions of quadrilaterals and special quadrilaterals	*CT-6*	*PA-03*	*Annual Examination*
January	2-6	5	Construction of quadrilaterals	Constructions of quadrilaterals and special quadrilaterals			
	9-13	5	Properties of solids on a plane	Polyhedrons , mapping and Eulers's formula			
	16-20	5	Mensuration	Area ofrectangle , parallelogram, quadrilateral and trapezium			
	23-27	5	eraser	C.S.A, T.S.A and volumes of cube & cuboid			
	30-31	2	Mensuration	C.S.A, T.S.A and volumes of cylinder			
February	1-3	3	Introduction to graphs	Line graphs	*CT-7*		
	6-10	5	Introduction to graphs	Line graphs			
	13-17	5	Data handling	Bar graph, histogram			
	20-24	5	Data handling	Pie chart and probability			
	27-28	2	*Revision*				
March	1-3	3	*Revision*				
	6-10	5	*Annual Examination*				
	13-17	5					