

CLASS-VIII

MATHEMATICS

MONTH	CHAPTER NAME	LEARNING OUTCOME	ASSESSMENTS
APRIL	CH-1 RATIONAL NUMBERS CH-2 LINEAR EQUATIONS IN ONE VARIABLE	<p>EACH STUDENT ARE ABLE TO:</p> <ul style="list-style-type: none"> *UNDERSTAND RATIONAL NUMBERS *PERFORM OPERATIONS ADDITION,SUBTRACTION,MULTIPLICATION AND DIVISION ON RATIONAL NUMBERS. * REPRESENT RATIONAL NUMBERS ON NUMBER LINE * SOLVE SUMS BY APPLYING PROPERTIES ON RATIONAL NUMBERS . <p>EACH STUDENT ARE ABLE TO:</p> <ul style="list-style-type: none"> * FINDING SOLUTION OF LINEAR EQUATION. * SOLVE WORD PROBLEMS BY DEVELOPING LINEAR EQUATIONS 	<p>PT-I & HALF YEARLY</p> <p>ACTIVITY:- REPRESENT RATIONAL NUMBER ON NUMBER LINE</p> <p>ASSIGNMENT CONTAINING WORD PROBLEMS</p> <p>QUIZE</p>
MAY	CH-6 SQUARES AND SQUARE ROOTS CH-7 CUBES AND CUBE ROOTS	<p>EACH STUDENT ARE ABLE TO:</p> <ul style="list-style-type: none"> * FIND THE SQUARE AND SQUARE ROOT OF A NUMBER FIND SQUARE ROOT BY DIVISION METHOD , PRIME FACTORIZATION METHOD <p>EACH STUDENT ARE ABLE TO:</p> <ul style="list-style-type: none"> * FIND THE CUBE AND CUBE ROOT OF A NUMBER . * MAKE A NUMBER A PERFECT CUBE 	<p>HALF YEARLY & ANNUAL EXAMS</p> <p>ORAL QUESTIONS</p> <p>TEST PPT ON SQUARE AND CUBES QUIZE</p>
JUNE	SUMMER VACATIONS		

AUG	CH -5 DATA HANDLING	EACH STUDENT ARE ABLE TO: FINDING MEAN,RANGE , MODE MEDIAN * DRAWING BAR GRAPHS * CONSTRUCT A PIE CHART * CONSTRUCT HISTOGRAMS	HALF YEARLY Activity-Collecting heights in cm of students of the class and finding mean height in centimetres Activity-Throw a dice twenty times and record the data.
SEPT	HALF YEARLY EXAM		
OCT	CH – 3 UNDERSTANDING QUADRILATERALS CH – 14 FACTORIZATION	EACH STUDENT ARE ABLE TO: STUDENTS WILL BE ABLE TO UNDERSTAND DEFINITION OF A FACTORISATION IN ONE VARIABLE, ITS COEFFICIENTS, WITH EXAMPLES AND COUNTER EXAMPLES, ITS TERMS, ZERO POLYNOMIAL. DEGREE OF A POLYNOMIAL. CONSTANT, LINEAR, QUADRATIC, CUBIC POLYNOMIALS; MONOMIALS, BINOMIALS, TRINOMIALS. FACTORS AND MULTIPLES.FACTORIZATION	PT-2 ANNUAL PPT ON ANGLES PT-2 ANNUAL PPT ON FACTORS

NOV	CH – 11 MENSURATION	EACH STUDENT ARE ABLE TO: * CALCULATING THE AREA , PERIMETER AND VOLUME OF DIFFERENT SHAPES FIGURES BY APPLYING FORMULAE . * SOLVE WORD PROBLEMS.	Annual TO FIND THE AREA OF THERE HOUSE OR AREA AND PERIMETER OF LON IF THEY HAVE
	CH – 12 EXPONENTS AND POWERS PROBLEM SOLVING SKILL	EACH STUDENT ARE ABLE TO: * BY APPLYING LAW OF EXPONENTS SOLVE THE EXPRESSIONS CONTAINING NEGATIVE EXPONENTS . * EXPRESS NUMBER IN STANDARD NOTATION AND VICE – VERSA .	Annual exams
DEC	CH-13 DIRECT AND INVERSE VARIATIONS	*STUDENTS ARE ABLE TO SOLVE WORD PROBLEMS RELATED TO VARIATIONS BY APPLYING LOGICAL RELATIONS .	annual
	CH-4 PRACTICAL GEOMETRY	STUDENTS ARE ABLE TO CONSTRUCT DIFFERENT TYPES OF QUADRILATERALS BY USING PROPERTIES .	PPT SHOWING X-AXIES, Y-AXES, ORIGION ETC.
	CH-15 INTRODUCTION TO GRAPHS	STUDENTS ARE ABLE TO DRAW DIFFERENT LINE GRAPHS FROM GIVEN DATA .	REGULARITY PRESENTATION NEATNESS INDEX/DATE CORRECTNESS
JAN	CH-10 VISUALISING SHAPES	* ABLE TO FIND CONCLUSIONS FROM GIVEN GRAPHS . *STUDENTS ARE ABLE TO FINDING THE DIFFERENT VIEWS OF 3 –D SHAPES * ABLE TO DRAW MAPS OF SIMPLE PATHS .	
FEB	REVISION		

MARCH

ANNUAL EXAMS



SYLLABUS CLASS VIII
MATHEMATICS (2020--2021)

EXAMINATION	CHAPTER NUMBER
PT-I	1 , 2
HALF YEARLY EXAM	1,2, 5 , 6, 7,8,9 ,16
PT – 2	3 , 14,7
ANNUAL EXAM	3 ,4 ,6,7, 10 ,11, 12, 13, 14, 15