Class: VII

Subject: Mathematics

SYLLABUS			
MONTH	**CHAPTERS (NCERT Text book)**	**CONTENT (Topics)**	**Activities**
April	CH-1: Integers	1. Properties of addition and subtraction of integers 2. Multiplication of integers 3. Properties of multiplication of integers 4. Division of integers	**Activity 1-** To complete the squares by adding integers.
	CH-2: Fractions and Decimals	1. Multiplication and division of fractions 2. Multiplication and division of decimal numbers	**Activity 2-** Crack the code and solve the puzzle by adding decimals.
May	CH-8: Working with Fractions	1. Multiplication and division of fractions 2. Multiplication and division of decimal numbers	**Activity 3-** Crack the code and solve the puzzle by multiplying decimals.
	CH-1: Large numbers around us	1. Large numbers 2. Comparing large numbers	**Activity 4-** Millionaire Budgeting
July	CH-1: Large numbers around us (contd.) CH-2: Arithmetic expressions	1. Comparing Expressions 2. Evaluating Complex Expressions 3. Commutative and distributive properties	**Activity 5-** Switch It Up!
August	CH-3: A peek beyond the point	1. Using decimal point 2. Comparing decimal numbers	**Activity 6-** Decimal Detectives

Month	Chapter	Topics	Activity
		3. Add and subtract decimal numbers	
September	**Revision for Mid-term exam**		
October	**CH-4: Expressions using letter-numbers**	1. Mathematical relationships between quantities 2. Advantages of Algebra	**Activity 7-** Algebra Expression Match-Up
	CH-5: Parallel and intersecting lines	1. Linear pair of angles 2. Parallel lines 3. Transversal 4. Corresponding angles 5. Alternate angles	**Activity 8-** Line Detectives
November	**CH-5: Parallel and intersecting lines(contd.)**	1. Linear pair of angles 2. Parallel lines 3. Transversal 4. Corresponding angles 5. Alternate angles	
	CH-6: Number play	1. Representing information without actually knowing the numbers	**Activity 9-** Guess the Number- Riddle
December	**CH-7: A tale of three intersecting lines**	1. Condition for construction of triangles 2. Angle-sum property of triangle 3. Classification of triangles based on angles	**Activity 10-** Triangle Explorer
	CH-3: Finding common Ground	1. Factors of a Number Using Prime Factorisation 2. Finding the HCF of numbers using Prime Factorisation 3. Finding LCM through Prime Factorisation 4. Division method for finding HCF and LCM of numbers 5. Relation between HCF and LCM	**Activity 11-** The Prime Factorization "Building Blocks"
January	**CH-7: Finding The Unknown**	1. Solving equation by trial and error method 2. Solving equation by transposing	**Activity 12-** A Magic Trick
February	**Revision for Annual exam**		

ASSESSMENT SYLLABUS

PERIODIC ASSESSMENT -1

CH-1: Integers (old textbook)
CH-2: Fractions and Decimals (old textbook)

PERIODIC ASSESSMENT -2

CH-4: Expressions using letter-numbers
CH-5: Parallel and intersecting lines

MID-TERM EXAM

Old Book
CH-1: Integers
CH-2: Fractions and Decimals
Ganita Prakash
CH-8: Working with Fractions
CH-1: Large numbers around us
CH-2: Arithmetic expressions
CH-3: A peek beyond the point

ANNUAL EXAM

Ganita Prakash-I
Ch1: Large numbers around us
Ch 2: Arithmetic expressions
Ch 3: A peek beyond the point
Ch 4: Expressions using letter-numbers
Ch 5: Parallel and intersecting lines
Ch 6: Number play
Ch 7: A tale of three intersecting lines
Ch 8: Working with Fractions

Ganita Prakash-II
Ch 3: Finding common Ground
Ch 7: Finding the unknown