

FORTNIGHTLY BREAKUP
CLASS IX (Session 2018-19)
Mathematics

S. No	Fortnight	Days	Topic	Subtopics	Periods	Total No. of periods	Assignment Date	Activity / Project
1	2/4/18 – 13/4/18	11	Ch1 Number System	<ul style="list-style-type: none"> - Introduction to Real Numbers - Real Numbers and their Decimal Expansions - Representing Real numbers on the Number Line - Operations on Real Numbers (Rationalisation) - Laws of Exponents for Real Numbers - Activity Period - Revision 	1 2 3 5 2 1 1	15	CYCLE -1 11-04-18 Chapter -1 till Decimal Expansion	Represent $\sqrt{2}$, $\sqrt{9.6}$ on the no. line
2	16/4/18 – 27/4/18	11	Ch 2 Polynomials	<ul style="list-style-type: none"> - Introduction of Polynomials - Zeroes of a Polynomial - Remainder Theorem, Division of Polynomials - Factor theorem -Factorisation by Middle Term splitting - Revision 	1 3 4 3 3 1	15		
3	1/5 /18- 18/5 /18	14	Ch 2 Polynomials (Contd), Ch 3 Coordinate Geometry	<ul style="list-style-type: none"> - Factorisation of Cubic Polynomials -Algebraic Identities -Cartesian System - Plotting a point in the plane if its Coordinates are given -Applications 	5 5 1 2 2	18	Test on 1-5-18 Chapter 1 ,2 (till Ex 2.3only)	Work Sheet on Co-ordinate Geometry

				- Activity Period - Revision	1 2			
PTM on 12 th May 2018								
4	21/5 /18 - 25/5/18	5	Ch 4 Linear Equations in two Variables	- Introduction to Linear Equations - Framing equations from word problems - Solution of a Linear Equation - Graph of a Linear Equation in two variables - Equations of Lines Parallel to x-axis and y-axis - Revision	1 1 1 1 2 1	7		
Summer Vacations from 26th May to 29th June 2018								
Pre Mid Term Exams – 29 th June – 9 th July 2018								
5	10/7 /18- 31/7/18	16	Ch 5 Introduction to Euclid’s Geometry Ch 6 Lines and Angles	Euclid’s Definitions, Axioms and Postulates- -Basic Terms and Definitions - Pairs of Angles (Linear Pair Axiom, Vertically Opposite Angles) - Parallel lines and transversal - Angle Sum Property of a Triangle -Revision	2 1 6 6 5 2	22		
6	1/8 /18 - 18/8/18	13	Ch 7 Triangles	- Introduction to Congruence of Triangles - Criteria for Congruence of Triangles SAS, ASA - Properties of Isosceles Triangle - More Criteria for Congruence of Triangles SSS, RHS - Inequalities in a triangle. -Revision	1 3 2 5 5 1	17	CYCLE-2 16-08-18 Chapter- 6,7	

7.	20/8/18 – 4/9/18	10	Ch 12 Herons Formula	- Area of triangle by Herons Formula - Applications of herons formula in finding area of quadrilateral - Revision	5 6 3	14		
	6/9/18- 11/9/18	5	Revision for Mid Term Exams			9		
COMPLETION of syllabus : 4th September 2018 Course completion Certificate to be submitted by Reps and HODS on 4th Sep 2018 Revision : 6th – 11th Sep 2018 Mid – Term Exams : 12 Sep –22ndSep 2018 PTM on 13 th Oct 2018								
8	24/9/18- 17/10/18	17	Ch 8 Quadrilaterals Ch 11 Constructions	Angle Sum Property of Quadrilateral - Types of Quadrilaterals - Properties of a Parallelogram - Application problems of Properties of Parallelograms - Midpoint theorem and its converse - Application problems of Mid Point Construction of specific angles with compass - Constructing a triangle, given its base, a base angle and sum of the other two sides - Constructing a triangle, given its base, a base angle and difference of the other two sides - Constructing a triangle, given its perimeter and its two base angles -Revision	1 1 2 3 2 3 1 2 3 3 2	23		
Dusshera Break 18th October – 21st October 2018								

9	22/10/18-3/11/18	10	Ch 13 Surface Area and Volumes	Surface area of a Cuboid and a Cube - Surface area of Right circular Cylinder - Surface area of Right circular Cone - Surface Area of Sphere and Hemisphere - Volume of a Cuboid and a Cube - Volume of a Cylinder - Volume of a Right Circular Cone - Volume of a Sphere and Hemisphere -Revision	2 2 2 2 1 1 1 2 1	14		
10	12/11/18-30/11/18	13	Ch 14 Statistics Ch 15 Probability	-Collection of Data -Presentation of Data as Frequency Distribution Table. -Graphical Representation of Data. -Measures of Central Tendency. Probability – an Experimental Approach - Application problems -Revision -Activity	1 1 3 4 1 2 1 1	14	CYCLE -3 15-11-18 Chapter 8, 11, 13	Activity on probability
11	3/12/18-15/12/18	11	Ch 9 Areas of Parallelograms and Triangles	Theorem - Figures on the Same Base and Between the Same parallels - Parallelograms on same base and between the same parallels - Triangles on the same base and between the same parallels -Activity and revision	1 6 6 2	15		Drawing of histogram and frequency polygon
Completion of syllabus :15th December 2018 Course completion certificate on 15th Dec 2018 Revision 17th -19th Dec 2018 Post Mid Term Exam 20 th Dec – 14 th Jan 2018 Winter Break- 31st December 2018 to 9th January 2019 PTM on 29 th Jan 2019								

12	15/1/19 – 25/1/19	9	Ch 10 Circles	Circle and its Related terms - Angle subtended by a chord at a point - Perpendicular from the Center to a Chord - Equal chords and their distances from the centre - Angle subtended by an arc of a Circle -Application - Cyclic Quadrilaterals -	1 1 2 2 2 1 2	11		
13	28/1/19 – 8/2/19	11		Revision		15		
Completion of Syllabus by 11th February 2019 Course Completion Certificate to be submitted by Reps and HODs on 11^h February 2019 Revision – 16th – 26th Feb 2019 Annual Exam 16st Feb 2018 – 5th March 2019 PTM – 14th March 2019								