

FORTNIGHTLY BREAKUP
CLASS X (Session 2018-19)
Mathematics

S. No.	Fortnight Dates	Days	Topic	Subtopics	Periods	Total No. of Periods	Assignment Date	Weekly Test Date and Syllabus	Activity
1	19th March 18- 28th March 18	8	Chapter 3 - Pair of Linear Equations in Two Variables	Graphical method of solution	2	16			
				Conditions of Consistency	2				
				Substitution method	2				
				Elimination method	2				
				Cross multiplication method	3				
				Equations reducible to pair of Linear equations in Two variables	3				
				Revision	2				
2	2nd Apr 18 - 13th Apr 18	11	Chapter 2 - Polynomials	Geometrical meaning of the Zeroes of a polynomial	2	15	Cycle-1 06-04-18		ACTIVITY -1 To obtain the zeroes of a quadratic polynomial graphically and verify algebraically
				Relationship between zeroes & coefficients.	3				
				Division Algorithm	4				
				Activity	2				
				Revision	4				
3	16th Apr 18 - 27th Apr 18	11	Chapter 14 - Statistics	Mean of Grouped Data	4	15			ACTIVITY - 2 To draw the less than and more than ogives for the given data and find median graphically
				Mode of Grouped Data	3				
				Median of Grouped Data	3				
				Graphical Representation of Cum. Freq. Distribution	3				
				Activity	2				

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4	1st May 18-18th May 18	14	Chapter 6 - Triangles	Similar figures - Introduction	1	19		Class Test 07-05-18 [Syllabus Chapter -2 and Chapter - 3]	
				Basic Proportionality theorem	3				
				Criteria for similarity of triangles	4				
				Areas of Similar triangles	3				
				Pythagoras Theorem	5				
				Revision	3				
PTM on 12th May 2018									
5	21st May 18-25th May 18	5	Chapter 1- Real Numbers	Euclid's Division Lemma	3	10			
				Fundamental Theorem of Arithmetic	3				
				Irrational Number	2				
				Rational Numbers & their Decimal Expansions	2				
Completion of Syllabus 25th May 2018									
Summer Vacation from 26th May to 28th June 2018									
Pre-Mid Term Exams 29th June - 9th July 2018									
PTM on 28th July 2018									

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6	10th July 18 - 31st July 18	16	Chapter 4 - Quadratic Equations	Quadratic Equations (Recognition & Framing)	2	21			
				Solution by Factorization	3				
				Solution by Completing the Square	4				
				Solution by Quadratic Formula	4				
				Nature of Roots	3				
			Chapter 15 - Probability	Introduction	1				
				Probability –Theoretical Approach	4				
7	1st Aug 2018 - 18th Aug 2018	13	Chapter 8 - Introduction to Trigonometry	Trigonometric Ratios	3	18	Cycle-2 09-08-18		
				Trigonometric Ratios of Specific Angles	3				
				Trigonometric Ratios of Complementary Angles	3				
				Trigonometric Identities.	5				
				Revision	4				
8	20th Aug 2018 - 4th Sept 2018	10	Chapter 5 - Arithmetic Progression	Recognizing AP	3	14			ACTIVITY - 3 To verify given sequence is an AP by paper cutting and pasting method
				nth term of an AP	3				
				Sum of First n terms of an AP	4				
				Activity	2				
				Revision	2				
Completion of Syllabus 4th Sept. 2018									
Revision for Mid term Exam 6th Sept. 2018 - 11th Sept. 2018									
Mid Term Exams 12th Sept - 22nd Sept 2018									
PTM on 13th Oct 2018									

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9	24th Sept 2018 17th Oct 2018	17	Chapter 7 - Coordinate Geometry	Distance formula	3	23			ACTIVITY - 4 Verification of Section Formula graphically
				Section formula	4				
				Area of a triangle	3				
				Activity	2				
				Revision	2				
			Chapter 9 - Some Applications of Trigonometry	Concepts of Angle of Elevation and Depression	1				
				Application on Heights And Distances	5				
				Revision	3				
Dusshera Break 18th Oct. - 21st October 2018									
10	22nd Oct 2018 3rd Nov 2018	10	Chapter 10 - Circles	Tangent to a Circle	2	14	Cycle-3 01-11-18		
				Number of Tangents from a point on a circle	4				
				Revision	2				
			Chapter 11 - Constructions	Division of Line Segment in given ratio	1				
				Constructing Similar Triangles	2				
				Construction of Tangents to a Circle	3				
Diwali Break from 5th November - 11th November 2018									
11	12th Nov 2018 30th Nov 2018	13	Chapter 12 - Areas Related to Circles	Perimeter and Area of a Circle	2	18			
				Areas of Sector and Segment of a circle	4				
				Areas of Combination of Plane Figures	5				
			Chapter 13 - Surface Areas and Volumes	Surface Area of a Combination of Solids	3				
				Volume of a Combination of Solids	4				

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12	3rd Dec 2018 - 15th Dec 2018	11	Chapter 13 - Surface Areas and Volumes contd	Conversion of Solid from One Shape to Another	4	17			
				Frustum of a Cone	3				
				Revision	10				
Completion of Syllabus by 15th December 2018									
Revision for Pre Board Exam 17th December -19th December 2018									
Pre Board Exam 20th Dec 18 - 14th Jan 2019									
Winter Break 31st Dec. 2018 - 9th Jan. 2019									
PTM on 28th Jan 2019									
13	15th Jan 2019 - 31st Jan 2019	12		CBSE Sample Papers					
14	1st Feb 2019 - 15th Feb 2019	11		Revision					