MATHS CLASS X (CRASH COURSE CBSE)

SL.NO.	CHAPTERS	TIME PERIOD
1	**<u>Real numbers</u>** • **Decimal Expansions of Real Numbers** • **Euclid's Division Lemma** • **The Fundamental Theorem of Arithmetic**	**AS PER REQUIREMENT TO COMPLETE IMPORTANT TOPICS**
2	**<u>Polynomials</u>** • **Division Algorithm for Polynomials.** • **Geometrical Meaning of the Zeroes of a Polynomial.** • **Relationship Between Zeroes and Coefficients of a Polynomial.**	
3	**<u>Pair of linear equations in two variables</u>** • **Cross-Multiplication Method to Solve a Pair of Linear Equations.** • **Elimination Method to Solve a Pair of Linear Equations.** • **Equation Pairs: Reducing to Linear Form** • **Graphical Method of Solution of a Pair of Linear Equations** • **Substitution Method to Solve a Pair of Linear Equations**	
4	**<u>Quadratic equation</u>** • **Introduction to Quadratic Equations** • **Nature of Roots** • **Solution of a Quadratic Equation by Completing the Square** • **Solution of a Quadratic Equation by Factorisation**	

5	**Arithmetic progressions** - **General Term of an Arithmetic Progression** - **Introduction to Arithmetic Progression** - **Sum of First n Terms of an Arithmetic Progression**	
6	**Triangles** - **Areas of Similar Triangles** - **Basic Proportionality Theorem** - **Criteria for Similarity of Triangles** - **Pythagoras Theorem** - **Similar Figures**	
7	**Coordinate geometry** - **Area of a Triangle** - **Distance Formula** - **Section Formula**	
8	**Introduction to trigonometry** - **Trigonometric Identities** - **Trigonometric Ratios** - **Trigonometric Ratios of Complementary Angles** - **Trigonometric Ratios of Some Specific Angles**	
9	**Some applications of trigonometry** - **Heights and Distances**	
10	**Circles** - **Tangent to a Circle** - **Tangents from a Point on a Circle**	
11	**Constructions** - **Construction of Tangents to a Circle** - **Division of a Line Segment**	
12	**Areas related to circles** - **Area of a Combination of Plane Figures** - **Circle: Perimeter and Area**	

	• **Sector and Segment of Circle**	
13	**Surface areas and volumes** • **Conversion of Solids from One Shape to Another** • **Frustum of a Cone** • **Surface Area of a Combination of Solids** • **Volume of a Combinations of Solids**	
14	**Statistics** • **Area of a Triangle** • **Distance Formula** • **Section Formula**	
15	**Probability** • **Graphical Representation of Cumulative Frequency Distribution** • **Mean of Grouped Data** • **Mode and Median of Grouped Data** • **Relation Between Central Tendencies**	