

**Bharatiya Vidya Bhavan's Public School
(Vidyashram)
Jubilee Hills
2017-2018**

Class: X

Subject: Mathematics

Year Plan

Month	Syllabus
April	<ul style="list-style-type: none"> • Real Numbers • Polynomials
June	<ul style="list-style-type: none"> • Pair of Linear equations in two variables
July	<ul style="list-style-type: none"> • Triangles • Introduction to Trigonometry
August	<ul style="list-style-type: none"> • Applications of Trigonometry • Coordinate Geometry
September	<ul style="list-style-type: none"> • Revision & Half Yearly Examination
October	<ul style="list-style-type: none"> • Quadratic equations • Arithmetic Progressions • Circles
November	<ul style="list-style-type: none"> • Geometrical Constructions • Areas related to circles
December	<ul style="list-style-type: none"> • Surface areas and volumes • Statistics
January	<ul style="list-style-type: none"> • Probability • Revision
February	<ul style="list-style-type: none"> • Pre-final examination
March	<ul style="list-style-type: none"> • Annual Examination

Lab Activities

Month	Topic	Activity
June	Polynomials	Finding zeros of a quadratic polynomial.
July	Pair of linear equations in two variables	Verifying the consistency/nature of the given linear equations in two variables
August	Triangles	Verification of Basic Proportionality Theorem Verification of Pythagoras Theorem
November	Arithmetic Progression	Verifying whether the given sequence is in AP Deriving the formula for sum of 'n' Natural numbers
December	Circles	To prove - The tangent at any point of a circle is perpendicular to the radius through the point of contact To prove - Lengths of tangents drawn from an external point to a circle are equal

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Term I Syllabus for Assessment

Type of Assessment	Syllabus
Periodic test 1	<ul style="list-style-type: none">• Real Numbers• Polynomials
Periodic test 2	<ul style="list-style-type: none">• Pair of Linear Equations
Half-Yearly examination	<ul style="list-style-type: none">• Real Numbers• Polynomials• Pair of Linear Equations• Triangles• Introduction to Trigonometry• Applications of Trigonometry

Term II Syllabus for Assessment

Type of Assessment	Syllabus
Periodic test 3	<ul style="list-style-type: none">• Coordinate Geometry• Circles• Geometrical Constructions
Annual examination	<ul style="list-style-type: none">• Real Numbers• Polynomials• Pair of Linear Equations• Triangles• Introduction to Trigonometry• Applications of Trigonometry• Coordinate Geometry• Quadratic Equations• Arithmetic Progressions• Circles• Geometrical Constructions• Areas related to Circles• Surface areas and Volumes• Statistics• Probability