

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

Class: IX

Subject: Mathematics

Year Plan

| Month | Syllabus |
|---------------|---|
| March & April | <ul style="list-style-type: none"> • Number system. • Polynomials. |
| June | <ul style="list-style-type: none"> • Polynomials cont. • Introduction to Euclid's Geometry. |
| July | <ul style="list-style-type: none"> • Lines and angles. • Coordinate geometry. |
| August | <ul style="list-style-type: none"> • Triangles. • Heron's formula. |
| September | <ul style="list-style-type: none"> • Revision & Half Yearly Examination |
| October | <ul style="list-style-type: none"> • Linear equations in two variables. • Quadrilaterals. |
| November | <ul style="list-style-type: none"> • Areas of parallelograms and triangles. • Circles. |
| December | <ul style="list-style-type: none"> • Constructions. • Surface areas and volumes. |
| January | <ul style="list-style-type: none"> • Statistics. • Probability. |
| February | <ul style="list-style-type: none"> • REVISION |
| March | <ul style="list-style-type: none"> • Annual Examination |

Lab Activities

| Month | Topic | Activity |
|----------|--|--|
| April | Number system | Representation of irrational numbers on the number line. |
| July | Lines and angles Co- ordinate Geometry | 1.Angle sum properties of a triangle . 1..Plotting the given points and identifying the hidden figures. |
| August | Triangles | 1. Verification of the properties of an isosceles triangle. |
| October | Quadrilaterals | 1. Verification of Midpoint theorem. |
| November | 1.Areas of parallelograms and triangles 2.Circles | 1.To prove that diagonal of a parallelogram divides it into two congruent triangles. 1.Verification of the property that central angle is twice the inscribed angle. 2.Verification of the property that opposite angles of a cyclic quadrilateral are supplementary |

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Class:IX_

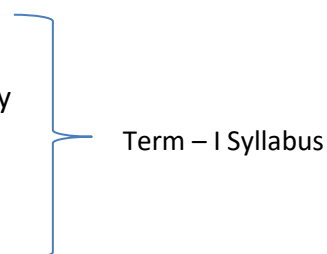
Subject: Mathematics

Term I Syllabus for Assessment

| Type of Assessment | Syllabus |
|-------------------------|--|
| Periodic test 1 | <ul style="list-style-type: none"> • Number System • Polynomials |
| Periodic test 2 | <ul style="list-style-type: none"> • Lines and angles • Co- ordinate geometry |
| Half-Yearly examination | <ul style="list-style-type: none"> • Number system • Polynomials • Introduction to Euclid's geometry • Lines and angles • Co –ordinate geometry • Triangles • Heron's formula |

Term II Syllabus for Assessment

| Type of Assessment | Syllabus |
|--------------------|--|
| Periodic test 3 | <ul style="list-style-type: none"> • Circles • Linear equations in two variables |
| Pre final | <ul style="list-style-type: none"> • Quadrilaterals • Areas of parallelogram and triangles • Constructions • Surface areas and volumes • Statistics • Probability |
| Annual examination | <ul style="list-style-type: none"> • Quadrilaterals • Linear equations in two variables • Areas of parallelogram and triangles • Circles • Constructions • Surface areas and volumes • Statistics • Probability • Number system • Polynomials • Introduction to Euclid's geometry • Lines and angles • Co –ordinate geometry • Triangles. • Heron's formula |



Term – I Syllabus