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

Class: VIII   **Subject: Mathematics**

Year Plan

Month	Syllabus
March & April	Rational Numbers Linear Equations in one variable
June	Linear Equations in one variable contd. Understanding Quadrilaterals
July	Algebraic Expressions and Identities Practical Geometry
August	Square and Square Roots Cube and Cube Root
September	Revision and Half Yearly Examination
October	Comparing Quantities Factorization
November	Exponents and Powers Data Handling
December	Mensuration Direct and Inverse proportion
January	Visualizing Solid shapes Introduction to Graphs
February	Playing with Numbers and Revision
March	Annual Examination

Lab Activities

Month	Topic	Activity
June	Rational Numbers	Locating Rational Numbers on the Number line
July	Understanding Quadrilaterals	Verification of Properties of Parallelogram a)Square b)Rectangle c) Rhombus d) Kite
August	Algebraic Expressions and Identities	Verification of Algebraic Identities
October	Factorization	Factorization of $ax^2 - bx + c$ using cut paste method.
November	Data Handling	To tabulate the information about the number of vowels/consonants in a given newspaper paragraph and represent them in a pie-chart
December	Mensuration	To derive formulae for the Lateral surface area and total surface area of a cylinder.

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Term I Syllabus for Assessment

Type of Assessment	Syllabus
Periodic test 1	• Rational Numbers • Linear Equations in one variable
Periodic test 2	• Algebraic Expressions and Identities • Practical Geometry
Half-Yearly examination	• Rational Numbers • Linear Equations in one variable • Understanding Quadrilaterals • Algebraic Expressions and Identities • Practical Geometry • Square and Square Roots • Cube and Cube Root

Term II Syllabus for Assessment

Type of Assessment	Syllabus
Periodic test 3	• Comparing Quantities • Data Handling
Revision test	• Mensuration • Direct and Inverse Variation
Annual Examination	• Comparing Quantities • Factorization • Exponents and Powers • Data Handling • Mensuration • Direct and Inverse Variation • Visualizing Solid shapes • Introduction to Graphs • Playing with Numbers • Rational Numbers • Linear Equations in one variable ⎤ Term I Syllabus • Algebraic Expressions and Identities • Practical Geometry