



# Easy Teach Academy

## Vedic Maths Course Topics

### Vedic Level 1

- Fast Addition
- Fast Decimal Addition
- Fast Subtraction
- Fast Decimal Subtraction
- Fast Multiplication
- Multiplication Tables
- Multiplication of power of 5, 25, 125
- 2 by 2 Multiplications
- 3 by 3 Multiplications
- 2 by 2 Multiplications in Decimal
- Simple Division
- Special Division by 5, 25, 125
- Bar
- Bar inculcate place
- Bar negative Place
- Bar Addition & Subtraction

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### Vedic Level 2

- Fast Addition Higher rows
- Fast Decimal Addition in Higher Rows
- Rapid Subtraction Higher rows
- Multiplication by 11
- Multiplication by 111
- Multiplication by twins' numbers



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- Multiplication by 12 to 19 numbers
  - Multiplication by 21 to 91 numbers
  - Multiplication of nearest to base numbers
  - Division by nearest base numbers
  - Division by Duplex numbers (Twins number)
  - Division by 21 to 91
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## Vedic Level 3

- Mind Root Addition
  - Mind Root Subtraction
  - Multiplication 4/4
  - Equal numbers Multiplication of series 9's
  - Unequal numbers Multiplication of Series 9's
  - Shocking Multiplication Part- 1
  - Shocking Multiplication Part- 2
  - Shocking Division Part – 1
  - Shocking Division Part – 2
  - Square
  - Square Roots
  - Algebra Polynomials
  - Binomial Division
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## Vedic Level 4

- Shocking Multiply – Higher Numerical
- Numerical Roots – Multiply
- Shocking Division – Higher Numerical
- Decimal Division



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- Prime Free Factor
- HCF
- LCM
- Fraction Simplification
- Fraction Increase (Addition)
- Fraction Decrease (Subtraction)
- Added Bottom
- Subtracting Bottom
- Square – Numerical Roots
- Square – Roots & Numerical Roots
- Cubes – Numerical Roots
- Cubes – Roots & Numerical Roots
- Solve the Equation
- Find Square
- Convert a Decimal into a Percentage
- Criss Cross Pattern



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## Mental Maths Syllabus

### Grade 1 Mathematics Syllabus

Unit	Topics Covered
<b>Numbers &amp; comparing</b>	Even and Odd Numbers, Skip Counting, Number Sequences, Ordinal Numbers, Number Names, Comparing and Ordering Numbers
<b>Place Value</b>	Ones, Tens, Hundreds, Thousands, Expanded Form, Value of Digits, Place Value Word Problems
<b>Addition</b>	Addition up to 3 Digits, Missing Numbers, Addition Patterns, Word Problems, Addition Equations
<b>Subtraction</b>	Subtraction up to 3 Digits, Missing Numbers, Subtraction Patterns, Word Problems, Equations
<b>Understanding Multiplication</b>	Equal Groups, Arrays, Number Lines, Multiplication Sentences
<b>Multiplication Tables &amp; Facts</b>	Tables 0–10, Multiplication Facts, Missing Factors, Squares up to $10 \times 10$
<b>Multiplication</b>	One-Digit $\times$ Two-Digit, One-Digit $\times$ Three-Digit, Box Method, Lattice Method, Word Problems
<b>Understanding Division</b>	Equal Sharing, Grouping, Division Sentences, Relation with Multiplication
<b>Division Facts &amp; Skills</b>	Division by 1–10, Division Facts, Missing Numbers, Divisibility Rules
<b>Data &amp; Graphs</b>	Line Plots, Pictographs, Venn Diagrams
<b>Money</b>	Counting Coins and Notes, Making Change, Comparing Money, Money Word Problems
<b>Time</b>	Reading Analogue and Digital Clocks, A.M./P.M., Calendar, Elapsed Time, Timelines
<b>Measurement</b>	Length, Weight, Capacity, Temperature, Metric Units



# Easy Teach Academy

Unit	Topics Covered
<b>Geometry</b>	2D and 3D Shapes, Vertices, Edges, Faces, Polygons, Symmetry, Transformations, Maps
<b>Properties &amp; Algebra</b>	Mathematical Terms, Parentheses, Properties of Addition and Multiplication, Distributive Property
<b>Mixed Operations</b>	Addition, Subtraction, Multiplication, Division, Multi-Step Word Problems
<b>Estimation &amp; Rounding</b>	Rounding Numbers and Money, Estimating Sums, Differences, and Products
<b>Patterns</b>	Repeating Patterns, Growing Patterns, Shape Patterns, Next Shape/Row in a Pattern

## Grade 2 Mathematics Syllabus

Unit	Topics Covered
<b>Counting &amp; Number Patterns</b>	Skip Counting, Number Lines, Hundreds Chart, Even & Odd Numbers, Counting Patterns
<b>Comparing &amp; Ordering Numbers</b>	Comparing Numbers, Greatest & Least Numbers, Ordering Numbers
<b>Number Names</b>	Ordinal Numbers, Cardinal Numbers, Writing Numbers in Words
<b>Patterns</b>	Repeating Patterns, Growing Patterns, Shape Patterns
<b>Addition (One Digit)</b>	Basic Addition Facts, Doubles, Addition Sentences, Arrays, Word Problems
<b>Subtraction (One Digit)</b>	Basic Subtraction Facts, Doubles, Subtraction Sentences, Word Problems
<b>Addition (Two Digits)</b>	Two-Digit Addition with and without Regrouping, Addition Word Problems



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Unit	Topics Covered
<b>Subtraction (Two Digits)</b>	Two-Digit Subtraction with and without Regrouping, Word Problems
<b>Properties of Numbers</b>	Fact Families, Related Addition & Subtraction Facts, Mathematical Terms
<b>Place Value</b>	Tens and Ones, Regrouping, Place Value Models, Number Forms
<b>Estimation &amp; Rounding</b>	Estimating and Rounding to the Nearest Ten
<b>Money</b>	Coins, Counting Money, Making Change, Purchases, Money Word Problems
<b>Time &amp; Calendar</b>	Days, Months, Seasons, Calendar Skills, A.M. and P.M.
<b>Data &amp; Graphs</b>	Tally Charts and Data Interpretation
<b>Geometry</b>	2D Shapes, 3D Shapes, Sides, Vertices, Edges, Faces, Transformations
<b>Measurement</b>	Length, Height, Weight, Capacity, Measuring Tools, Rulers
<b>Logical Reasoning</b>	Number Guessing and Problem Solving
<b>Probability</b>	Likely, Unlikely, Certain and Impossible Events
<b>Mixed Operations</b>	Addition and Subtraction up to 100, Number Sentences, Word Problems

## Grade 3 Mathematics Syllabus

Unit	Topics Covered
<b>Number Sense</b>	Place Value, Number Names, Ordinal Numbers, Rounding, Even & Odd Numbers, Comparing Numbers
<b>Addition</b>	Addition up to 5 Digits, Word Problems, Missing Digits, Properties of Addition, Estimation



# Easy Teach Academy

Unit	Topics Covered
<b>Subtraction</b>	Subtraction up to 5 Digits, Word Problems, Missing Digits, Estimation
<b>Multiplication</b>	Multiplication Facts, Multi-Digit Multiplication, Box Method, Lattice Method, Properties of Multiplication, Estimation
<b>Division</b>	Division Facts, Long Division, Remainders, Divisibility Rules, Estimation
<b>Mixed Operations</b>	Addition, Subtraction, Multiplication & Division, Multi-Step Word Problems
<b>Logical Reasoning</b>	Number Puzzles, Guess and Check, Finding Missing Numbers
<b>Data &amp; Graphs</b>	Tables, Bar Graphs, Line Plots, Frequency Charts, Stem-and-Leaf Plots
<b>Patterns &amp; Sequences</b>	Number Patterns, Geometric Patterns, Pattern Word Problems
<b>Money</b>	Money Calculations, Making Change, Price Lists, Unit Prices
<b>Measurement</b>	Length, Mass, Volume, Metric Unit Conversions
<b>Time</b>	Time Conversions, Elapsed Time, 12-Hour & 24-Hour Time, Schedules
<b>Geometry</b>	2D & 3D Shapes, Polygons, Symmetry, Nets of Solids
<b>Perimeter &amp; Area</b>	Perimeter of Shapes, Area of Rectangles and Figures, Area & Perimeter Problems
<b>Fractions</b>	Halves, Quarters, Equal Parts, Simple Fractions, Fractions of Groups
<b>Probability</b>	Likelihood, Probability, Predictions, Combinations



# Easy Teach Academy

Unit	Topics Covered
<b>Number Sense</b>	Place Value, Number Names, Ordinal Numbers, Rounding, Even & Odd Numbers, Comparing Numbers
<b>Addition</b>	Addition up to 5 Digits, Missing Digits, Properties of Addition, Estimation, Word Problems
<b>Subtraction</b>	Subtraction up to 5 Digits, Missing Digits, Estimation, Word Problems
<b>Multiplication</b>	Multiplication Facts, Multi-Digit Multiplication, Box Method, Lattice Method, Properties of Multiplication, Estimation
<b>Division</b>	Division Facts, Long Division, Remainders, Divisibility Rules, Estimation
<b>Mixed Operations</b>	Addition, Subtraction, Multiplication & Division, Multi-Step Word Problems
<b>Logical Reasoning</b>	Number Puzzles, Guess and Check, Finding Missing Numbers
<b>Data &amp; Graphs</b>	Tables, Bar Graphs, Line Plots, Frequency Charts, Stem-and-Leaf Plots
<b>Patterns &amp; Sequences</b>	Number Patterns, Geometric Patterns, Pattern Problems
<b>Money</b>	Money Operations, Making Change, Price Lists, Unit Prices
<b>Measurement</b>	Length, Mass, Volume, Metric Unit Conversions
<b>Time</b>	Time Conversions, Elapsed Time, 12-Hour & 24-Hour Time, Schedules
<b>Geometry</b>	2D & 3D Shapes, Polygons, Symmetry, Rotational Symmetry, Nets
<b>Perimeter &amp; Area</b>	Perimeter of Shapes, Area of Rectangles, Area & Perimeter Word Problems
<b>Fractions</b>	Halves, Quarters, Equal Parts, Simple Fractions, Fractions of Groups



# Easy Teach Academy

Unit	Topics Covered
Probability	Probability, Predictions, Outcomes, Combinations

## Grade 5 Mathematics Syllabus

Unit	Topics Covered
Place Value & Number Sense	Place Values, Number Names, Comparing Numbers, Rounding, Even & Odd Numbers
Addition & Subtraction	Whole Number Operations, Properties of Addition, Estimation, Missing Digits, Word Problems
Multiplication	Multi-Digit Multiplication, Box Method, Lattice Method, Properties of Multiplication, Estimation
Division	Division Facts, Long Division, Divisibility Rules, Remainders, Estimation
Decimals	Decimal Place Value, Comparing & Ordering Decimals, Equivalent Decimals, Fractions & Decimals
Fractions	Equivalent Fractions, Comparing Fractions, Mixed Numbers, Fractions of Numbers, Simplifying Fractions
Mixed Operations	Addition, Subtraction, Multiplication & Division of Whole Numbers
Problem Solving	Multi-Step Problems, Guess and Check, Venn Diagrams, Logical Thinking
Money	Money Calculations, Price Lists, Unit Prices, Money Word Problems
Number Sequences	Increasing Patterns, Geometric Patterns, Rules and Sequences



# Easy Teach Academy

Unit	Topics Covered
<b>Data &amp; Graphs</b>	Tables, Bar Graphs, Line Graphs, Histograms, Pictographs, Line Plots, Stem-and-Leaf Plots
<b>Probability</b>	Probability, Predictions, Outcomes, Combinations
<b>Time</b>	Time Conversions, Elapsed Time, Timetables, 12-Hour & 24-Hour Time
<b>Measurement</b>	Length, Mass, Volume, Temperature, Metric Conversions
<b>Geometry</b>	Polygons, Angles, Symmetry, Transformations, 3D Shapes and Nets
<b>Perimeter, Area &amp; Volume</b>	Perimeter, Area of Rectangles and Squares, Volume Using Unit Cubes

## Grade 6 Mathematics Syllabus

Unit	Topics Covered
<b>Whole Numbers</b>	Place Value, Number Names, Roman Numerals, Addition & Subtraction of Whole Numbers
<b>Multiplication</b>	Multi-Digit Multiplication, Multiplication with Zeroes, Estimation, Word Problems
<b>Division</b>	Divisibility Rules, Long Division, Division with Zeroes, Estimation
<b>Number Theory</b>	Prime & Composite Numbers, Factors, Prime Factorization, HCF & LCM
<b>Decimals</b>	Decimal Place Value, Ordering Decimals, Comparing Decimals, Rounding Decimals
<b>Operations with Decimals</b>	Addition, Subtraction, Estimation, Decimal Word Problems



# Easy Teach Academy

Unit	Topics Covered
<b>Fractions &amp; Mixed Numbers</b>	Equivalent Fractions, Simplifying Fractions, Comparing Fractions, Mixed Numbers
<b>Operations with Fractions</b>	Adding & Subtracting Fractions and Mixed Numbers, Estimation
<b>Integers</b>	Understanding Integers, Number Lines, Comparing & Ordering Integers
<b>Operations with Integers</b>	Addition, Subtraction, Mixed Integer Operations
<b>Mixed Operations</b>	Whole Numbers, Decimals, Fractions, and Integers
<b>Problem Solving &amp; Estimation</b>	Multi-Step Problems, Guess and Check, Logical Reasoning
<b>Ratios &amp; Rates</b>	Ratios, Equivalent Ratios, Unit Rates, Proportions, Scale Drawings
<b>Measurement</b>	Metric Units, Unit Conversions, Area Units, Volume Units, Temperature
<b>Money</b>	Money Calculations, Multiplication & Division of Money, Word Problems
<b>Time</b>	Elapsed Time, Time Conversions, Schedules, 12-Hour & 24-Hour Time
<b>Algebraic Expressions</b>	Variables, Expressions, Properties, Distributive Property
<b>Equations</b>	One-Variable Equations, Solving Equations, Word Problems
<b>Geometry</b>	Angles, Polygons, Triangles, Quadrilaterals, Circles, Lines & Rays
<b>Symmetry &amp; Transformations</b>	Reflection, Rotation, Translation, Congruent & Similar Figures
<b>Geometric Constructions</b>	Angle Bisectors, Perpendicular Lines, Equilateral Triangles, Hexagons



# Easy Teach Academy

Unit	Topics Covered
<b>Three-Dimensional Shapes</b>	Solids, Nets, Vertices, Edges, Faces, Different Views
<b>Perimeter, Area &amp; Volume</b>	Area, Perimeter, Compound Figures, Volume of Cubes
<b>Data Handling &amp; Graphs</b>	Pictographs, Bar Graphs, Histograms, Line Graphs, Frequency Tables
<b>Probability</b>	Outcomes, Predictions, Combinations, Compound Events

## Grade 7 Mathematics Syllabus

Unit	Topics Covered
<b>Whole Numbers</b>	Place Value, Number Names, Roman Numerals, Addition & Subtraction
<b>Number Theory</b>	Factors, Multiples, Prime Numbers, Prime Factorization, HCF & LCM
<b>Multiplication &amp; Division</b>	Multi-Digit Operations, Divisibility Rules, Estimation, Word Problems
<b>Decimals</b>	Decimal Place Value, Ordering, Comparing, Rounding, Decimal Operations
<b>Fractions &amp; Mixed Numbers</b>	Equivalent Fractions, Simplifying Fractions, Mixed Numbers, Fraction Operations
<b>Integers</b>	Integers, Number Lines, Comparing, Ordering, Integer Operations
<b>Mixed Operations</b>	Whole Numbers, Decimals, Fractions, and Integers
<b>Problem Solving</b>	Multi-Step Problems, Logical Reasoning, Guess and Check, Estimation



# Easy Teach Academy

Unit	Topics Covered
<b>Ratios &amp; Proportions</b>	Ratios, Equivalent Ratios, Unit Rates, Proportions, Scale Drawings
<b>Measurement</b>	Metric Units, Unit Conversions, Area Units, Volume Units, Temperature
<b>Money &amp; Time</b>	Money Calculations, Elapsed Time, Time Conversions, Schedules
<b>Algebraic Expressions</b>	Variables, Expressions, Properties, Distributive Property
<b>Equations</b>	One-Variable Equations, Solving Equations, Word Problems
<b>Geometry</b>	Angles, Triangles, Quadrilaterals, Polygons, Circles, Lines & Rays
<b>Symmetry &amp; Transformations</b>	Reflection, Rotation, Translation, Congruent & Similar Figures
<b>Geometric Constructions</b>	Angle Bisectors, Perpendicular Lines, Equilateral Triangles, Hexagons
<b>Three-Dimensional Shapes</b>	Solids, Nets, Vertices, Edges, Faces, Different Views
<b>Perimeter, Area &amp; Volume</b>	Area, Perimeter, Compound Figures, Volume of Cubes
<b>Data Handling &amp; Graphs</b>	Pictographs, Bar Graphs, Histograms, Line Graphs, Frequency Tables
<b>Probability</b>	Outcomes, Predictions, Combinations, Compound Events

## Grade 8 Mathematics Syllabus

Unit	Topics Covered
<b>Number Theory</b>	Factors, Multiples, Prime Numbers, Prime Factorization, HCF & LCM



# Easy Teach Academy

Unit	Topics Covered
<b>Integers</b>	Integers, Number Lines, Comparing, Ordering, Integer Operations
<b>Rational Numbers</b>	Fractions, Decimals, Rational & Irrational Numbers, Ordering Numbers
<b>Operations with Rational Numbers</b>	Addition, Subtraction, Multiplication, Division, Reciprocals
<b>Exponents &amp; Roots</b>	Powers, Negative Exponents, Square Roots, Cube Roots, Laws of Exponents
<b>Scientific Notation</b>	Standard Form, Scientific Notation, Operations in Scientific Notation
<b>Ratios, Rates &amp; Proportions</b>	Ratios, Unit Rates, Proportions, Scale Drawings, Rate of Change
<b>Proportional Relationships</b>	Graphs, Tables, Equations, Constant of Proportionality
<b>Percents</b>	Percent Conversions, Percent of Numbers, Percent Change
<b>Consumer Mathematics</b>	Discounts, Markups, VAT, Tips, Simple & Compound Interest
<b>Measurement</b>	Metric Conversions, Area Units, Volume Units, Precision
<b>Problem Solving</b>	Multi-Step Problems, Venn Diagrams, Logical Reasoning
<b>Coordinate Geometry</b>	Coordinate Plane, Quadrants, Graphing Points
<b>Geometry</b>	Polygons, Angles, Triangles, Quadrilaterals, Circles, Symmetry
<b>Congruence &amp; Similarity</b>	Similar Figures, Congruent Figures, Triangle Congruence
<b>Geometric Constructions</b>	Angle Bisectors, Perpendicular Lines, Parallel Lines, Constructions
<b>Pythagoras' Theorem</b>	Finding Sides, Perimeter Problems, Right Triangles



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Unit	Topics Covered
<b>Three-Dimensional Shapes</b>	Solids, Nets, Views, Similar Solids
<b>Perimeter, Area &amp; Volume</b>	Circles, Prisms, Cylinders, Surface Area, Scale Changes
<b>Number Sequences</b>	Arithmetic Sequences, Geometric Sequences, Sequence Rules
<b>Algebraic Expressions</b>	Variables, Expressions, Like Terms, Distributive Property
<b>Linear Equations</b>	One-Step, Two-Step & Multi-Step Equations, Word Problems
<b>Polynomials</b>	Monomials, Polynomial Operations, Multiplication of Polynomials
<b>Factorisation</b>	Factorising Monomials, Quadratics, Grouping Method
<b>Data Handling &amp; Graphs</b>	Tables, Bar Graphs, Histograms, Pie Charts, Frequency Charts
<b>Statistics</b>	Mean, Median, Mode, Range
<b>Probability</b>	Simple Events, Compound Events, Experimental Probability, Counting Principle

## Grade 9 Mathematics Syllabus

Unit	Topics Covered
<b>Numbers &amp; Number Systems</b>	Rational Numbers, Fractions, Decimals, Square Roots, Cube Roots
<b>Operations</b>	Operations with Integers and Rational Numbers
<b>Ratios, Rates &amp; Proportions</b>	Ratios, Unit Rates, Proportions, Scale Drawings
<b>Percents &amp; Consumer Maths</b>	Percentages, Discounts, Markups, VAT, Percent Change



# Easy Teach Academy

Unit	Topics Covered
Measurement	Measurement Conversions, Precision, Error, Area & Volume Applications
Lines & Angles	Angle Relationships, Parallel Lines, Transversals
Triangles	Triangle Properties, Congruence Theorems, Triangle Inequalities
Quadrilaterals	Parallelograms, Rhombuses, Rectangles, Squares, Trapeziums, Kites
Polygons	Interior and Exterior Angles of Polygons
Area & Perimeter	Areas of 2D Shapes, Circles, Heron's Formula
Surface Area & Volume	Prisms, Cylinders, Cones, Spheres
Circles	Arcs, Chords, Tangents, Sectors, Inscribed Angles
Geometric Constructions	Bisectors, Congruent Angles, Equilateral Triangles, Hexagons
Linear Equations	One-Step, Two-Step & Multi-Step Equations
Coordinate Geometry	Coordinate Plane, Graphing, Quadrants
Direct Variation	Proportional Relationships, Constant of Variation
Linear Functions	Slope, Slope-Intercept Form, Standard Form, Parallel & Perpendicular Lines
Exponents & Scientific Notation	Exponent Laws, Rational Exponents, Scientific Notation
Logarithms	Logarithmic Forms, Properties of Logarithms
Polynomials	Polynomial Operations, Monomials, Binomials
Factorisation	Factoring Monomials, Quadratics, Grouping
Quadratic Equations	Solving by Factorisation, Square Roots, Quadratic Formula



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<b>Unit</b>	<b>Topics Covered</b>
<b>Radical Expressions</b>	Simplifying and Operating with Radicals
<b>Rational Expressions</b>	Simplifying, Operations, Rational Equations
<b>Data Handling &amp; Graphs</b>	Graphs, Histograms, Pie Charts, Stem-and-Leaf Plots
<b>Statistics</b>	Mean, Median, Mode, Range, Quartiles, Standard Deviation
<b>Probability</b>	Theoretical & Experimental Probability, Independent & Dependent Events
<b>Problem Solving &amp; Logic</b>	Multi-Step Problems, Logical Reasoning, Applications