



Young Scholars Foundation

MATHS SYLLABUS

Grade 1 to 10

Grade - 1

Section 1: Mathematical Reasoning

Section 2: General Maths

Numbers 1 to 1000, Addition and Subtraction, Multiplication and Division, Length, Mass and Volume, Money, Time, Shapes and Patterns.

Section 3: Logical Reasoning

Verbal and Non-verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving

Based on pictures, diagrams and shapes, classification (odd one out), images, matrix,

Out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Question – from Section 1 & 2

Grade - 2

Section 1: Mathematical Reasoning

Section 2: General Maths

Numbers to 1000, Addition and Subtraction upto 1000, Multiplication and Division,

Length, Mass, Money, Fractions, Time, Volume, Graphs, Lines and Surfaces, Shapes

And Patterns Ascending and descending.

Section 3: Logical Reasoning

Verbal and Non- verbal reasoning. This section includes topics like- blood relation,

Coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images,

Matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Question – from Sections 1 & 2

Grade - 3

Section 1: Mathematical Reasoning

Section 2: General Maths

Numbers 1 to 1000 Additions and Subtraction within 10000, Addition and Subtraction within 10000, Multiplication and Division, Money, Length, Mass, Volume,

Bar Graph, Time, Geometry, Area and Perimeter, ascending, Descending order, L.C.M, H.C.F.

Section 3: Logical Reasoning

Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding- decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images,

Matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Questions_ from Sections 1 & 2

Grade - 4

Section 1: Mathematical Reasoning

Section 2: General Maths

Numbers, Decimals, Fractions, Time, Geometry, Area and Perimeter, Tables and Line,

Graphs, Symmetry and Tessellations.

Section 3: Logical Reasoning

Verbal and Non- Verbal reasoning. This section includes topics like- blood relation, coding- decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images,

Matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Questions- form Sections 1 & 2

Grade - 5

Section 1: Mathematical Reasoning

Section 2: General Maths

Numbers, Fractions, Decimals, Ratio, Average, Percentage, Geometry, Area and Perimeter.

Section 3: Logical Reasoning

Verbal and Non- Verbal reasoning. This section includes topics like- blood relation,

Coding- decoding, direction sense test, number series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Questions – from Section 1 & 2

Grade - 6

Section 1: Mathematical Reasoning

Section 2: General Maths

Whole Number, Fractions, Ratio and Proportion, Percentage, Speed and Time, Algebra, Lines and Angles, Area and Perimeter, Graphs and Pie chart.

Section 3: Logical Reasoning

Verbal and Non- verbal reasoning. This section includes topics like- blood relation, Coding- decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images,

Matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Questions- from Sections 1 & 2

Grade - 7

Section 1: Mathematical Reasoning

Section 2: General Maths

Integers and Rational Numbers, Fractions and Proportion and Comparing Quantities,

Algebraic Expression and Equations, Geometry, Perimeter and Area, and Data Handling, Loss, Profit Based Questions.

Section 3: Logical Reasoning

Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding- decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), Images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Question- from Section 1 & 2

Grade - 8

Section 1: Mathematical Reasoning

Section 2: General Maths

Rational Numbers, Squares and Square Roots, Cubes and Cube Roots, Exponents and Powers, comparing Quantities, Direct and Inverse Proportions, Linear Equations in One Variable, Algebraic expressions & Identities, Factorisation, Mensuration and Data Handling (Probability). Loss, Profit, and simple Interest & compound.

Section 3: Logical Reasoning

Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding- decoding, direction sense test, number series, alphabet series, Problem solving based on pictures, diagrams and shapes, classification (odd one out), images,

Matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

1. Higher Order Thinking Questions- from Section 1 & 2

Grade - 9

Section 1: Mathematical Reasoning

Section 2: General Maths

Number Systems, Polynomials, Linear Equations in Two Variables, Euclid's Division Lemma, Lines and Angles, Triangles, Quadrilaterals, Areas of Parallelograms and Triangles, Surface Area and Volume, Heron's Formula, Circles, Coordinate Geometry, Probability, Quadratic Equations.

Section 3: Logical Reasoning

Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding- decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), Images,

matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Questions- from Sections 1 & 2

Grade - 10

Section 1: Mathematical Reasoning

Section 2: General Maths

Polynomials, Quadratic Equations, Arithmetic Progressions, Coordinate Geometry, Introduction to Trigonometry, Trigonometric Identities and Some Applications of Trigonometry, Circles, Areas Related to Circles, Surface Area and Volume, Statistics and Probability.

Section 3: Logical Reasoning

Verbal and Non-verbal reasoning. This section includes topics like- blood relation, Coding- decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out) images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Wise Wizard

Higher Order Thinking Questions- form Sections 1 & 2

