IQ AND REASONING ACADEMY
Making kids smart thinkers

11+ SYLLABUS COVERAGE

BY IQ AND REASONING ACADEMY

11+ English

CREATIVE WRITING

A] Creative Writing categories:

- Creative Writing (fiction with strong structure)
- Descriptive Writing (using 5 senses, imagery)
- Personal Recount/Narrative (first-person experiences)
- Persuasive Writing (formal letter, opinion piece)
- Instruction Writing
- Poems
- Story Structure & Planning
- Story Continuation
- Editing & Improving Work
- Diary entries
- Writing Triplets
- Letter Writing

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B] Vocabulary Development:

- Synonyms, antonyms, and homophones
- Root words, prefixes, and suffixes
- Idioms and figurative expressions
- Context clues (working out meanings from surrounding text).
- High-level vocabulary frequently used in 11+ exams
- Word choice and effect (why an author used a particular word)
- Abbreviations, acronyms and initialisms
- Cloze
- Homonyms
- Latin and Greek Root words

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SPAG AND COMPREHENSION

A] Spelling:

- Homophones
- Suffixes
- Prefixes
- Tricky spelling
- Spelling rules
- Singular and Plural words

B] Punctuation:

- Apostrophes (possessive and contractions)
- Commas (lists, fronted adverbials)
- Speech punctuation
- Colons & semi-colons
- Brackets and dashes
- Direct and Indirect Speech
- Speech marks
- Hyphens

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C] Grammar:

- Noun types (abstract, collective)
- Verbs & tense shifts
- Pronouns & determiners
- Prepositions, Adjectives and Adverbs
- Sentence types (simple, compound, complex)
- Connectives and determiners
- Active vs passive voice
- Clauses & phrases

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COMPREHENSION

Comprehensions - Poem, Fiction and Non - Fiction

- Understanding main idea, supporting details, and overall theme
- Drawing inferences (“reading between the lines”)
- Explaining and justifying answers with evidence from the text
- Identifying literary devices (similes, metaphors, personification)
- Analyzing characters, settings, and tone
- Summarizing passages
- Practice with both fiction (stories, poetry) and non-fiction (articles, reports)

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11+ MATH

1. NUMBERS

- Place Value
- Order and Compare Numbers
- Rounding
- Roman Numbers
- Integer Operations
- Fractions
- Decimals
- Percentages
- Multiples
- LCM
- Factors
- HCF
- Prime and Composite Numbers
- Square Numbers
- Cube Numbers
- Even Numbers
- Prime Factorization
- Odd Numbers
- Profit and Loss
- Number word Problems

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2. ALGEBRA

- BODMAS
- Function Machines
- Simplifying Expressions
- Substitution
- Algebraic Equations
- Simultaneous Equations
- Algebra Dependent Problems

3. SEQUENCES

- Number Patterns and Sequences

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4. MEASUREMENT

- Unit Conversions
- Currency Conversions

5. RATIO AND PROPORTION

- Ratio
- Scale Drawings
- Proportions

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6. GEOMETRY

- Square
- Rectangle
- Circle
- Parallelogram
- Rhombus
- Trapezium
- Compound Shapes
- Triangles
- Area and Perimeter
- Pythagoras Theorem
- 2D Shapes
- Angles
- Angles in parallel lines
- Polygons
- Directions
- Bearings
- Coordinates
- Transformations
- Lines of Symmetry
- Rotational Symmetry
- 3D Shapes
- Nets of Solids
- Cubes and Cuboids
- Volume
- Prisms
- Slicing

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7. STATISTICS

- Tally Marks and Pictographs
- Bar charts
- Line Graph
- Pie Chart
- Time Graph
- Time and Distance Tables (include train timetables)
- Tables
- Venn Diagrams
- Mean Median Mode Range
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8. PERMUTATIONS AND COMBINATIONS

- Permutations and Combinations
- Counting

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9. MIXED TOPICS

- Speed Distance Time
- Logical Problems
- Time
- Temperature
- Probability

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11+ VERBAL REASONING

1. ALPHABETS

- Alphabet positions and Mirror pairs
- Alphabetical Order – first letter, last letter
- Identify a letter from a clue
- Arrange words based on number of syllables, consonants, vowels

2. MAKING WORDS

- Missing Letters
- Move a Letter
- Hidden Word
- Find the Missing Word
- Use a Rule to make a Word
- Compound Words
- Forming New Words
- Complete a Word Pair
- Anagram in a Sentence (New)
- Word Ladders
- Shuffled Sentences (New)
- Re-order words to make a sentence

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3. VOCABULARY BASED

- Closest Meaning
- Opposite Meaning
- Multiple Meanings
- Odd Ones Out
- Word Connections
- Reorder Words to Make a Sentences
- Rhyming Synonyms (New)
- Related Words (New)

4. MATH AND SEQUENCES

- Complete the Sum
- Letter Sequences
- Number Sequences
- Related Numbers
- Letter-Coded Sums

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5. LOGIC AND CODING

- Letter Connections
- Letter Word Codes
- Number Word Codes
- Explore the Facts
- Solve the Riddle
- Word Grids

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11+ NON-VERBAL REASONING

1. SIMILARITIES

- Odd one out
- Find the figure like the first two/three

2. GRIDS, PAIRS AND SERIES

- Complete the square grid
- Complete the star grid (New)
- Complete the hexagonal grid (New)
- Complete the box sequence
- Extended sequence (New)
- Complete the triangle sequence (New)
- Complete the pair
- Triangle Analogy (New)

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3. CODES and OPERATIONS

- Horizontal Codes
- Vertical Codes
- Mixed Codes
- Follow the Operations (New)

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11+ SPATIAL REASONING

1. 3D BLOCKS

- 3D Block Rotation
- 3D Building Blocks
- Block Counting
- Top/Side/Back Front 2D/3D views of 3D Blocks
- Complete the 3D Block

2. CUBES AND NETS

- Cube that can be/cannot be made from a net
- Partial Nets
- Different cube views
- Nets of different 3D figures

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3. SHAPES

- Connecting Shapes
- Adding and Subtracting Shapes
- Completing shapes

4. OTHER SPATIAL REASONING

- Fold and punch – with circles and shapes
- Fold along the line
- Hidden Shapes – Rotated and Not rotated

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11+ SUCCESS

Since we started 11+ tutoring in 2023, we have helped kids secure top scores in the examinations of:

Independent or Private Schools	State Grammar Schools
St Paul's Girls' and Boys School	St Olave's Grammar School
North London Collegiate School	Henrietta Barnett School
City of London School for Girls	Queen Elizabeth's School, Barnet
Haberdashers' Girls' School	The Latymer School (Enfield)
Godolphin and Latymer School	Wilson's School (Wallington)
Surbiton High School	Sutton Grammar School
King's College School	King Edward VI Five Ways (Birmingham)
Badminton School	Pate's Grammar School (Cheltenham)
St Helen'S School	The Tiffin Girls' School (Kingston)
Wimbledon High School	Trafford Consortium
Kingston Grammar School	Slough Consortium
St Albans High School for Girls	Wirral Grammar School
Westminster (7+)	Kent/Medway County
	Stretford
	Buckinghamshire Country
	Rugby Grammar Schools
	Loreto Grammar School
	King Edward VI School Stratford-upon-Avon
	Bluecoat Liverpool

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