

Elementary School

DISCOVER OUR READING AND MATH TUTORING PROGRAMS IN SUGAR LAND TX

IQ Learning offers a comprehensive ELA & Math program for both elementary and middle school students. The program is divided into 5 levels: L1 through L5.

L1 and L2 are at the Elementary school Grade 4 and 5 levels while L3 through L5 are for the Middle school grades 6 through 8 students. At the end of level 5, students should be well prepared to take up algebra, geometry, and other advanced math courses in high school.

At IQ Learning, we offer [English Language Arts \(ELA\)](#), [Math](#) and Science Programs to elementary and middle school students in the Sugar Land, TX area. These are fundamental skills required for future success in high school and beyond.

Our instructors are committed to helping students realize their academic potential and helping to make them feel proud of their achievements. When given the right tools for math problem solving by our professional tutors, math can be fun!

MATH LEVEL 1 (STARTS FROM GRADE 4)

- Addition and subtraction of 2, 3 and 4-digit numbers
- Addition and subtraction of whole numbers on a number line
- Concept of negative numbers through number line
- Adding positive numbers with negative whole numbers
- Adding negative whole numbers with negative whole numbers
- Word problems on negative whole numbers
- Factors, prime factors, common factors and highest common factors
- Multiples, common multiples and lowest common multiples
- Multiply and divide 2-4 digit whole numbers
- Learn multiplication tables 2 – 16
- Division leads to fractions: Visualizing fractions through geometric figures
- Adding and subtracting fractions
- Multiplying and dividing fractions
- Comparing large (9-digit) whole numbers with decimals, and fractions
- Placing simple fractions on a number line
- Simplify fractions to equivalent fractions by multiplying and dividing with common factors

- Word problems on whole numbers and fractions combined (problems on distance, work, mixtures, elapsed time)
- Relate fractions with decimals: Convert fractions to decimals and decimals to fractions
- Rounding numbers to the nearest tenths, hundredths
- Metric units of length and conversion to conventional (FPS) units
- Collect, organize and interpret data in bar and line graphs
- Introduction to mental math
- Plane and solid geometric figures – perimeters
- Lines, line segments, angles
- Acute, obtuse and right angles
- Draw angles using protractors
- Parallel and perpendicular lines
- Introduction to similar and congruent triangles
- Introduction to squares, rectangles and their fundamental geometric properties
- Coordinate graphs: Axes, draw coordinate points. Draw line segments, rays and lines translate and reflect - coordinate points and line segments
- Measurement problems: Areas, volumes of simple geometric figures; word problems related to these concepts

MATH LEVEL 2 (GRADE 5)

- More word problems on metric and customary (FPS) units of measurement, length, time, temperature, areas, volumes, and their changes
- Add, subtract, multiply and divide combinations of whole numbers, fractions and decimals
- Compare whole numbers, fractions and decimals
- Convert mixed numbers to improper fractions and reverse
- Order of operations in expressions
- Statistical measures: Mean, mode and median of data
- Drawing conclusions from data and patterns among data
- Probability: Simple cases, addition and multiplication of probabilities
- Word problems on probability and statistical measures
- Introduction to variables
- More mental math
- Like and unlike terms, addition and subtraction of like terms
- Use word problems to show the importance of variables in daily life
- Solving simple equations involving addition and subtraction

ELA

Part 1: Grammar

- Parts of Speech – Identification and Function
- Nouns: Common, Proper, Concrete, Abstract, Collective and Compound
- Pronouns and Antecedents: Personal, Reflexive, Intensive, Demonstrative, Interrogative and Relative Pronouns, Indefinite Pronouns
- Adjectives
- Identifying Adverbs vs Nouns
- Prepositions
- Identifying Prepositions vs Adverbs
- Conjunction
- Interjection
- Identifying Parts of Speech in Sentences
- Analyzing Parts of Sentences: Subject, Predicate and Complement
- Phrases
- Clauses
- Agreement: Subject-Verb, Pronoun - Antecedent
- Using Pronouns and Verbs Correctly
- Pronoun Cases
- Principal Parts, Tense, Voice and Mood of Verbs
- Correct Usage and Placement of Modifiers
- Use of Modifiers as Adjectives and Adverbs
 - Misplaced and Dangling Modifiers
- Capitalization and Punctuation
- Spelling
- Editing and Proof Reading

PART 2: CRITICAL READING

- Identifying Main Ideas and Supporting Details
- Drawing Conclusions and Making Inferences
- Identifying Parts in a Story
 - Key Events
 - Identifying Setting
 - Mood
 - Analyzing Character
- Identifying Literary Devices

- Flashback
- Foreshadowing
- Symbolism (Similes, Metaphors)
- Identifying Themes
- Vocabulary: General and from Context Clues
- How to Make Predictions in a Passage

Part 3: Writing

Basic Writing Skills

Review of essential Grammar

- Introduction to different writing styles
 - Descriptive
 - Narrative
 - Expository
 - Persuasive
- How to develop ideas in an interesting and coherent manner
 - Introducing one's own thoughts (originality) in the idea
- How to choose titles thoughtfully, and in an entertaining manner
- How to provide key information necessary to understand the argument
- How to structure arguments with clear introductions, transitions, middle and conclusion
- How to support arguments with evidence
 - Using sources thoughtfully and appropriately as evidences and supports
- How to express thoughts in simple yet clear and concise language; Emphasis will be on using the conventions of grammar, punctuation, word usage and source citation

Situational Use of the Writing Process

Writing and punctuating dialogue

- Writing exposition and persuasion
- Writing and selecting writing for contests
- Writing and selecting writing for submission to art/literary magazines
- Writing autobiography
- Personal letter writing
- Writing memoirs
- Writing "how to" guides
- Writing a letter to the editor of a newspaper
- Writing a mini-book including a short story, poetry, and art

Use of Figurative Language Devices

- Writing from a cartoon
- Writing from a photograph
- Writing from a prompt/Writing effective titles
- Writing to create mood
- Writing verse from prose writing
- Writing rhymed and metered poetry
- Writing short stories and character development