

CLASSES FOR MIDDLE & HIGH SCHOOL HONORS & AP COURSES

KidzMentor

PAY ONLY IF YOU LIKE THE FIRST SESSION

408-306-2193

Kidzmentor@gmail.com

MATH & SCIENCE
AP CAL AB/BC, AP CHEMISTRY, AP PHYSICS

ONLINE INTERACTIVE LIVE COURSES

\$10/HR - MIDDLE SCHOOL COURSES

\$20/HR - HIGH SCHOOL HONORS/AP COURSES

Dr.G, Ph.D in Chemical Engineering,
15+ years experience teaching SAT courses.



Math Olympiad Division-M (grades 6-8)

- **Class-1:** Number operations
- **Class-2:** Arithmetic part-1 (Fractions and Decimals)
- **Class-3:** Arithmetic part-2 (Ratios and Proportions)
- **Class-4:** Arithmetic part-3 (Percentages)
- **Class-5:** Arithmetic part-4 (Speed and Distance)
- **Class-6:** Digits, Palindromes
- **Class-7:** Fast and slow clocks, estimating days
- **Class-8:** Area and perimeters
- **Class-9:** Remainder problems
- **Class-10:** Average values
- **Class-11:** Basic geometry
- **Class-12:** Cryptogram problems
- **Class-13:** Secret Passwords
- **Class-14:** Logical thinking
- **Class-15:** Permutations and combinations
- **Class-16:** Final exam and tips/tricks

- **Classes: 1hr/week**
- **\$20/class**
- **Includes a diagnostic test**

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High school SAT MATH (Grades 9-12)

- **HEART OF ALGEBRA**

- **Class-1:** Solve a linear equation or inequality with one variable
- **Class-2:** Linear equations or inequalities and absolute value
- **Class-3:** System of linear equations & inequalities with two variables.
- **Class-4:** Linear graphing for system of equations or inequalities.

- **PROBLEM SOLVING AND DATA ANALYSIS**

- **Class-5:** Ratios, proportions and rates
- **Class-6:** Percentages and word problems
- **Class-7:** Data collection and graphing (scatterplots)
- **Class-8:** Statistics and probability.

- **ADVANCED MATH**

- **Class-9:** Law of Exponents and polynomials
- **Class-10:** Perform operations with polynomial expressions.
- **Class-11:** Solving quadratic equations

- **GEOMETRY**

- **Class-12:** Lines, angles, triangles and
- **Class-13:** Basic trigonometry and triangles
- **Class-14:** Basic geometry (volume and area) and circles

- **EXAM**

- **Class-15:** Exam review

- **Classes: 1.5hr/week**
- **\$20/hr**
- **Includes a diagnostic test**

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High school Chemistry curriculum

Honors level (grades 9-12)

- Class-1: Units and conversion
- Class-2: Matter and calorimetry
- Class-3: Atomic theory
- Class-4: Electronic configuration
- Class-5: Periodic table and trends
- Class-6: Chemical bonding and hybridization
- Class-7: Chemical reactions and balancing
- Class-8: Stoichiometry and limiting reagent
- Class-9: Molarity and solutions
- Class-10: Gas laws
- Class-11: Thermochemistry and Hess law
- Class-12: Chemical equilibrium and Kinetics
- Class-13: Electrochemistry
- Class-14: Solutions: Acids and bases
- Class-15: Organic Chemistry fundamentals

- Classes: 1.5hr/week
- **\$20/hr**

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High school Chemistry curriculum

SAT subject level (grades 9-12)

- Class-1: Matter and calorimetry
- Class-2: Atomic structure and isotopes
- Class-3: Periodic table and trends
- Class-4: Electronic configuration
- Class-5: Chemical bonding and hybridization
- Class-6: Chemical reactions and balancing
- Class-7: Stoichiometry and limiting reagent
- Class-8: Thermochemistry and Hess law
- Class-9: Chemical equilibrium and Kinetics
- Class-10: Solutions: Acids and bases
- Class-11: Red-Ox reactions
- Class-12: Organic chemistry fundamentals

- Classes: 1.5hr/week
- **\$20/hr**
- Includes a diagnostic test

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High school Chemistry curriculum

Advanced placement (AP) level (grades 9-12)

- Class-1: Chemistry Fundamentals
- Class-2: Types of Chemical Equations
- Class-3: AP Style Net Ionic Equations
- Class-4: Gas Laws
- Class-5: Thermochemistry
- Class-6: Atomic Structure and Periodicity
- Class-7: Chemical Bonding
- Class-8: Liquids, Solids, and Solutions
- Class-9: Kinetics and rate laws
- Class-10: General Equilibrium
- Class-11: Acids and Bases
- Class-12: Buffers, K_{sp} and Titrations
- Class-13: Thermodynamics
- Class-14: Electrochemistry

- Classes: 1.5hr/week
- **\$20/hr**

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Middle school Chemistry curriculum

Lower middle school (grades 5-6)

- Class-1: States of matter
- Class-2: Properties of Matter
- Class-3: Temperature and heat
- Class-4: Chemical and physical changes
- Class-5: Atoms, elements and compounds
- Class-6: Compounds and mixtures
- Class-7: Atomic structure
- Class-8: Periodic table
- Class-9: Chemical bonds and compounds
- Class-10: Chemical reactions
- Class-11: Balancing chemical equation
- Class-12: Solutions: Acids and bases

- Classes: 1hr/week
- **\$10/hr**

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Middle school Chemistry curriculum

Upper middle school (grades 7-8)

- Class-1: States of matter and properties
- Class-2: Chemical and physical changes
- Class-3: Temperature and heat
- Class-4: Atoms, elements and isotopes
- Class-5: Compounds and mixtures
- Class-6: Atomic structure and periodic table
- Class-7: Metals, non-metals and Alkali metals
- Class-8: Halogens, noble gases&transition metals
- Class-9: Chemical bonds and compounds
- Class-10: Chemical reactions and balancing
- Class-11: Gas laws
- Class-12: Solutions: Acids and bases

- Classes: 1hr/week
- **\$10/hr**

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Middle school Physics curriculum

Lower and Upper middle school (grades 5-8)

- Class-1: Motion
- Class-2: Forces
- Class-3: Gravity, Friction and Pressure
- Class-4: Work and Energy
- Class-5: Simple Machines
- Class-6: Waves
- Class-7: Sound
- Class-8: Light and Optics
- Class-9: Electricity
- Class-10: Circuits
- Class-11: Magnetism
- Class-12: Electromagnetism

- Classes: 1hr/week
- **\$10/hr**

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High school Physics curriculum

Honors level (grades 9-12)

- Class-1: Intro and Dimensional analysis
- Class-2: 1D & 2D Kinematics
- Class-3: Newton's 3 Laws of Motion
- Class-4: Projectile Motion
- Class-5: Circular Motion and Torque
- Class-6: Momentum, Impulse and collisions
- Class-7: Kinetic and Potential Energy
- Class-8: Work and Power
- Class-9: Electrostatics and Current electricity
- Class-10: Circuits and Ohm's law
- Class-11: Magnetism and Electromagnetism
- Class-12: Light and Optics
- Class-13: Sound and waves
- Class-14: Heat and Thermodynamics
- Class-15: Nuclear and Atomic physics

- Classes: 1.5hr/week
- **\$20/hr**

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Middle school Biology curriculum

Lower and Upper middle school (grades 5-8)

- Class-1: The Cell
- Class-2: Cell function
- Class-3: Cell Division
- Class-4: DNA and genetics
- Class-5: Classification of living things
- Class-6: Single-celled and multi-cellular organisms
- Class-7: Plant structure
- Class-8: Ecology and Evolution
- Class-9: Human Biology: System, support
- Class-10: Absorption, Digestion and Exchange
- Class-11: Circulatory and immune system
- Class-12: Nervous and reproduction system

- Classes: 1hr/week
- **\$10/hr**

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Students of Dr.G

Math Olympiads

A program dedicated to stimulating enthusiasm, fostering creativity, and strengthening intuition in mathematical problem solving.

THE DR. GEORGE LENCHNER MEDALLION FOR A PERFECT SCORE



Aryan Ganesh



Matthew DeWitt

ASCENCION SOLORSANO MIDDLE SCHOOL AWARDS ASSEMBLY 2020

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