



卓越青藤教育校 piea-edu.org
咨询电话917-886-7101, WeChat (微信): 1047179223

Summer AMC 8 & AMC 10 Prep Courses

This summer, join our AMC 8 and AMC 10 preparation courses to strengthen problem-solving skills and gain confidence for math competitions. Our structured curriculum focuses on essential concepts, strategies, and time management techniques to help students excel in the AMC contests.

Why Participate in AMC Competitions?

- Enhance Problem-Solving Skills – Learn to tackle challenging math problems efficiently and creatively.
- Boost College Applications – A strong AMC score demonstrates exceptional mathematical ability, which is highly valued by top colleges. Scoring well can help students stand out in competitive admissions.
- Qualify for Advanced Competitions – High scores on AMC 10 can lead to invitations to the AIME (American Invitational Mathematics Examination), opening doors to prestigious programs like the USA Mathematical Olympiad (USAMO).
- Improve School Math Performance – Mastering AMC problems strengthens algebra, geometry, and number theory skills, helping students excel in school math courses.
- Develop a Competitive Edge – Gain confidence and experience in high-level math competitions, preparing for future challenges in STEM fields.





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AMC 8 Course (Middle School Level) AMC 8: Grade 8 or below, under 14.5 years old by Jan 2026.

Designed for middle school students looking to develop a strong foundation in competitive math. Topics include:

- Number Theory: Divisibility, prime numbers, modular arithmetic, greatest common divisor (GCD), and least common multiple (LCM).
- Algebra: Expressions, equations, inequalities, sequences, and basic functions.
- Geometry: Angles, triangles, quadrilaterals, circles, area, perimeter, and the Pythagorean theorem.
- Counting & Probability: Fundamental counting principle, permutations, combinations, probability rules, and expected value.
- Logical Reasoning & Word Problems: Translating word problems into mathematical equations and improving problem-solving efficiency.

AMC 10 Course (High School Level) AMC 10: Grade 10 or below, under 17.5 years old by Nov 2025.

For students preparing for the AMC 10, focusing on advanced problem-solving techniques. Topics include:

- Algebra: Quadratic equations, inequalities, functions, logarithms, sequences & series, and polynomials.
- Geometry: Triangle similarity & congruence, coordinate geometry, circles, three-dimensional geometry, and basic trigonometry.
- Number Theory: Prime factorization, modular arithmetic, divisibility rules, greatest integer function, and Diophantine equations.
- Counting & Probability: Binomial theorem, principle of inclusion-exclusion, expected value, and combinatorial identities.
- Coordinate Geometry: Slope, distance, midpoint, transformations, and conic sections.

Both courses include concept reviews, past AMC problems, mock tests, and problem-solving strategies to help students develop speed and accuracy under timed conditions.

Take Your Math Skills to the Next Level!

Whether you're new to AMC or aiming for a top score, this summer program will provide the tools and strategies needed to succeed. Join us to challenge yourself, gain recognition, and strengthen your college application!

COURSE	*Class option	DAY	7 Weeks 14 Sessions 7/7-8/22	Tuition
Math Competition	AMC 8	Mon /Wed	5:45-7:45pm or 8-10pm	14 Sessions , \$2100
Math Competition	AMC 10	Tue/Thur	5:45-7:45pm	14 Sessions \$2100
ONE-ON-ONE Tutoring	AMC 8, 10, 12 & AIME			



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🏠 2025 暑期 AMC 8 & AMC 10 数学竞赛备考课程

这个夏天, 加入我们的 **AMC 8** 和 **AMC 10** 备考课程, 提升数学思维与解题能力, 为数学竞赛打下坚实基础!
我们系统化的课程设置将聚焦于核心概念、策略方法与时间管理技巧, 帮助学生在 **AMC** 竞赛中脱颖而出。

? 为什么要参加 AMC 数学竞赛?

- ✓ 提升解题能力 – 学习如何高效、创造性地解决具有挑战性的数学问题。
- ✓ 增强大学申请竞争力 – 出色的 **AMC** 成绩是数学能力的有力证明, 深受顶尖大学青睐, 可在激烈的申请中脱颖而出。
- ✓ 晋级更高级别竞赛 – **AMC 10** 成绩优秀可获邀参加 **AIME** (美国数学邀请赛), 更有机会晋级美国数学奥林匹克 (**USAMO**) 等顶尖竞赛项目。
- ✓ 提高学校数学成绩 – 掌握 **AMC** 的题型与知识点, 有助于强化代数、几何、数论等学科基础, 在校课程中表现更优异。
- ✓ 锻炼应试能力与信心 – 提前积累高水平数学竞赛经验, 为未来 **STEM** 领域的学习与挑战做好准备

COURSE	*Class option	DAY	7 Weeks 14 Sessions 7/7-8/22	Tuition
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ONE-ON-ONE Tutoring	AMC 8、10、12 & AIME			

AMC 8 课程 (初中阶段) 报名资格: 参赛学生年龄不超过 **14.5 岁** (截至2026年1月), 年级在 **8 年级** 或以下。

课程内容涵盖:

- 数论: 整除性、质数、模运算、最大公约数、最小公倍数
- 代数: 代数式、方程与不等式、数列、基础函数
- 几何: 角度、三角形、四边形、圆、面积与周长、勾股定理
- 计数与概率: 基本计数原理、排列与组合、概率规则、期望值
- 逻辑推理与应用题: 学会将文字题目转化为数学模型, 提升解题效率

🧠 **AMC 10 课程 (高中阶段)** 报名资格: 参赛学生年龄不超过 **17.5 岁** (截至2025年11月), 年级在 **10 年级** 或以下。

课程内容涵盖:

- 代数: 二次方程、不等式、函数、对数、数列与级数、多项式
- 几何: 三角形相似与全等、坐标几何、圆、三维几何、基础三角函数
- 数论: 素因数分解、模运算、整除规则、最大整函数、不定方程
- 计数与概率: 二项式定理、容斥原理、期望值、组合恒等式
- 坐标几何进阶: 斜率、距离、中点、图形变换、圆锥曲线



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课程特色：

- 系统知识点复习
- 历年 AMC 真题讲解
- 模拟测试训练
- 解题策略与时间控制技巧
帮助学生在有限时间内提升解题速度与准确度。

迈向更高数学水平的起点！

无论你是 AMC 新手, 还是冲击高分的竞赛选手, 这个暑期项目都将为你提供成功所需的工具与策略。
加入我们, 挑战自我、赢得认可、增强大学申请竞争力！