

ACT MASTERCLASS

COURSE STRUCTURE

ACT English, ACT Reading and ACT Essay

MODULE #1 ACT English (I)	MODULE #2 ACT English (II)	MODULE #3 ACT Reading & Essay (I)
<u>ACT Grammar</u> ✓ Nouns & Pronouns ✓ Verb Tenses ✓ Subject-Verb Agreement ✓ Adjectives & Adverbs ✓ Modifiers ✓ Parallelism ✓ Comparison	<u>ACT Language</u> ✓ Sentence Fragment & Comma Splice ✓ Punctuation, Diction & Language Use <u>ACT English Expression</u> ✓ Support, Development, Transitions ✓ Identifying Relevance & Purpose ✓ Paragraph Organization	<u>ACT Reading Fundamentals</u> ✓ Reading Strategy & Verbal Reasoning ✓ Question & Answer Choice Analysis ✓ Dual Passages – Cross-Comparison <u>ACT Reading Passages</u> ✓ Passage Type #1: Natural Sciences ✓ Passage Type #2: Social Sciences <u>ACT Essay Fundamentals</u> ✓ Essay Argumentation Techniques ✓ ACT Essay Three-Perspectives Analysis Framework
MODULE #4 ACT Reading & Essay (II)	MODULE #5 ACT English Language Review	
<u>ACT Reading Passages</u> ✓ Passage Type #3: Humanities ✓ Passage Type #4: Prose Fiction <u>ACT Essay Strategy</u> ✓ Paragraph Development ✓ Essay Practice & Model Essay Analysis	<u>Advanced ACT English Exam Strategy</u> ✓ Detailed Analysis and Solutions to Selected Questions from Official 2017 and 2018 ACT Exam Papers ✓ ACT English, Reading and Essay Question Practice from 2017 and 2018 ACT Exam Papers	

ACT Science and Mathematics

MODULE #6 ACT Math (I)	MODULE #7 ACT Math (II)	MODULE #8 ACT Math (III)
<u>Algebra & Word Problems</u> ✓ Expressions, Polynomials, Matrices ✓ Quadratic Equations ✓ Exponents, Roots, Logarithms ✓ Absolute Value & Inequalities ✓ Imaginary & Complex Numbers ✓ Rates & Word Problems	<u>Functions</u> ✓ Composite Functions ✓ Rational Functions and Asymptotes <u>Graphs & Coordinate Geometry</u> ✓ Lines, Parabolas & Transformation ✓ Polar Coordinates ✓ Ellipses, Circle Equations & Properties	<u>Geometry</u> ✓ Triangle, Polygon, Circle, Square, 3-D Solid ✓ Trigonometry: Sine, Cosine, Tangent ✓ Trigonometric Graphs and Area Formula <u>Measurement & Statistics</u> ✓ Mean, Median and Mode ✓ Probability ✓ Statistics & Standard Deviation
MODULE #9 ACT Science	MODULE #10 ACT Math & Science Review	
<u>ACT Science Fundamentals & Strategy</u> ✓ Fundamental ACT Science Knowledge ✓ Scientific Assumptions and Hypothesis ✓ Data Representation Passages ✓ Research Summary Passages ✓ Experimental Design Passages ✓ Conflicting Viewpoints Passages ✓ Advanced ACT Science Tips & Strategies	<u>Advanced ACT Science & Math Strategies</u> ✓ Detailed Analysis and Solutions to Selected Questions from Official 2017 and 2018 ACT Exam Papers ✓ Advanced Problem-Solving Heuristics ✓ ACT Science & Math Question Practice from 2017 and 2018 ACT Exam Papers	

IvyPrep ACT Instructors

<p>Alexander Nehmzow</p> <ul style="list-style-type: none"> ✓ BA, History (Distinction), Yale University ✓ SAT/ACT English: Top 1% Scorer <p>Alexander's coursework at Yale has impressed upon him the importance of critical thinking. As an SAT English instructor, he hopes to instill in his students a strong sense of intellectual curiosity and equip them with the strategies and confidence for success. Prior to joining IvyPrep, Alexander worked at Kaplan Test Prep in the United States as an SAT instructor, running SAT revision bootcamps for high school students.</p>	<p>Heather Hagerling</p> <ul style="list-style-type: none"> ✓ BA, Env. Studies (Honors), UChicago ✓ SAT/ACT English: Top 1% Scorer <p>Heather received her degree from the University of Chicago, graduating Phi Beta Kappa with general and departmental honors. At UChicago, she wrote a senior thesis as well as an article published in the "African Journal of Ecology". As an English instructor at IvyPrep, she cares deeply about her students' intellectual growth and strives to prepare her students for success on the ACT and beyond.</p>	<p>Loo Khang Chien</p> <ul style="list-style-type: none"> ✓ BSc, Pure Mathematics (First Class) ✓ MSc, Mathematics, NUS ✓ SAT/ACT Mathematics: Top 1% Scorer <p>Mr. Loo holds undergrad and Master's degrees in Pure and Applied Mathematics. His undergrad research project was acknowledged in "Theoretical Computer Science," a leading international academic journal in CS. Mr. Loo has a strong track record interest in education and has proactively participated in teaching projects since his undergrad days.</p>
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