# Jeng Academic Center, Inc.

# 2017 Summer Head-Start Classes

## (June 19 – August 12, 2017)

| Subject | Instructor | Grades | Time | Date | When | Fee |
|---|---|---|---|---|---|---|
| | **Science and Computer** | | | | | |
| Honor Chemistry | Dr. De-Yin Jeng | 9 – 10 | 6:00 – 7:00 pm | M-W-F | June 19 – August 11 | $1,000.00 |
| AP Physics | Mr. Justin Tseng | 10 – 11 | 7:00 – 8:00 pm | M-W-F | June 19 – August 11 | $1,000.00 |
| AP Computer Science | Mr. Justin Tseng | 10 – 12 | 3:15 – 5:15 pm | Saturday | June 24 – August 12 | $650.00 |
| | **Mathematics** | | | | | |
| Geometry | Mr. Justin Tseng | 8 – 9 | 5:45 – 6:45 pm | M-W-F | June 19 – August 11 | $850.00 |
| Algebra II | Mr. Justin Tseng | 9 – 10 | 5:45 – 7:15 pm | T-Th | June 20 – August 10 | $850.00 |
| Math Analysis (Pre-Calculus) | Mr. Justin Tseng | 10 – 11 | 7:30 – 9:00 pm | T-Th | June 20 – August 10 | $1,000.00 |
| AP Calculus | Mr. Justin Tseng | 10–12 | 10:00 – 12:00 am | Saturday | June 24 – August 12 | $650.00 |
| | **English and Language Arts** | | | | | |
| Syntax-Sentences-Paragraphs-Essays (SSPE) | Mr. Allan Burin | 7 – 8 | 6:30 – 8:00 pm | T-Th | June 20 – August 10 | $850.00 |
| English Writing Skills (EWS) | Mr. Allan Burin | 5 – 6 | 6:30 – 7:30 pm | M-W-F | June 19 – August 11 | $850.00 |
| TOEFL iBT | Mr. Allan Burin | 9–11 | 7:45 – 8:45 pm | M-W-F | June 19 – August 11 | $850.00 |
| Thinking-Writing-Argument | Dr. De-Yin Jeng | 9 – 11 | 10:00 – 12:00 am | Saturday | June 24 – August 12 | $650.00 |
| | **ACT Test** | | | | | |
| ACT (Reading and Writing) | Mr. Allan Burin | 10 – 11 | 10:00 – 12:00 am | Saturday | June 24 – August 12 | $650.00 |
| ACT (Math and Science) | Mr. Justin Tseng | 10 – 11 | 1:00 – 3:00 pm | Saturday | June 24 – August 12 | $650.00 |


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For more info, please call (805)777-3437 or visit the following website
www.jengacademic.com Email: dyjeng@jengacademic.com

# Selected Highlights for JAC 2017 Summer Head-Start Classes

| Subject | Instructor | Grades | Time | Date | When | Fee |
|---|---|---|---|---|---|---|
| | **Science and Computer** | | | | | |
| Honor Chemistry | The first eight chapters of Honor Chemistry will be covered in the 24 lessons during this 8-week session. Subject taught include science method, measure, atoms, molecules, ions, periodic table, compounds, chemical quantities, stoichiometry, chemical reactions, solution stoichiometry, gases, thermochemistry, quantum mechanical view of the atom, chemical bonding, and possibly hybridization. | | | | | |
| AP Computer Science | An introduction to basic programming principles and logic, as well as syntax and conventions in Java. This course will prepare students for AP Computer Science, but can also serve as a standalone beginner's course in programming. | | | | | |
| | **Mathematics** | | | | | |
| Geometry | The first eight chapters of Geometry will be covered in this class, including lines, angles, reasoning, proof, parallel and perpendicular lines, triangles relationships in triangles, proportions and similarities, right triangles and trigonometry, quadrilaterals and circles. | | | | | |
| Algebra II | The first six to eight chapters of Algebra II will be covered, including linear equations, system of equations, inequalities, matrices, polynomial and rational equations, quadratic equations and inequalities, polynomial function and advanced functions. | | | | | |
| Math Analysis (Pre-Calculus) | A deep dive into the more difficult topics presented in a pre-caclulus course, mostly focused on trigonometry, functions and graphs, with some probability. | | | | | |
| AP Calculus | This class will focus on a concrete understanding of the concepts of calculus and its applications. Topics covered include limits, derivatives, and integrals, as well as problem solving strategies for word problems. | | | | | |
| | **English and Language Arts** | | | | | |
| Syntax-Sentences-Paragraphs-Essays (SSPE) | This is a class designed for 7-8 graders, wth a focus on improving the basic writing skills required for high school English classes. The class begins with a discussion of what makes a good sentence, sentence variety, punctuation rules, fundamental syntax concepts, verb tenses, proper use of pronouns, paragraphs writing, coordination and subordination, parallelism, thesis statement development, body paragraph development, organization of essays, with a emphasis on writing introductory and concluding paragraphs. | | | | | |
| English Writing Skills | This is a class designed for 5 – 6 graders, with emphasis on sentence writing, sentence combining, paragraph development, and command of basic grammar rules. The aim of the course is to cultivate the practice and ability of writing sentences and paragraphs with lucidity, force, and persuasion. | | | | | |
| TOEFL iBT | This class is designed to prepare students for the TOEFL iBT test. Its aim is to help improve academic language skills and test-taking strategies. Content and learning strategies will be customized to improve areas of weakness in grammar, reading, listening, writing, and/or speaking. By the end of the class, students will be familiar with the types of questions that are asked in each section and develop the English language skills that are necessary to be successful on the TOEFL iBT. | | | | | |
| Thinking-Writing-Argument | This class aims to empower and familiarize the students with the basics of logical reasoning, argument building, and essay writing. It begins with a discussion of the differences between inductive and deductive reasoning, including Aristotelian syllogism, followed by studying the elements of arguments, and proceeds to combine all relevant knowledge into argumentative essay writing. Writing selections from Edmund Burke will be used as model arguments for analysis as writing exercises. | | | | | |
| | **ACT Test** | | | | | |
| ACT (Reading and Writing) | This class is designed for those who need additional help with the reading and writing sections of the ACT test. Course contents will focus on reviewing the basic grammar rules, paragraph revision of, as well as close reading skills required for the test questions. | | | | | |
| ACT (Math and Science) | This class is designed for those who need additional help with the math and science sections of the ACT test. Course contents will focus on addressing the different types of math and science questions, as well as test-taking strategies for tackling various questions. | | | | | |

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