

# 2020 Spring Intensive Classes

***Note: To register, give us a call at 03-3527-9323***

## Elementary School Class Descriptions

### Grade 5 and 6 Writing

**Grades - 5, 6**

The Elementary Writing course improves students' narrative writing. Classes will teach how to produce well-developed characters, consistent story arcs, and vivid descriptions. Students will model from examples, brainstorm, produce drafts and learn how to proofread and edit their work. By the end of the program, students will have written their own narrative. Students are expected to complete around 1 hour of homework per day.

### Grade 5 and 6 Reading

**Grades - 5, 6**

The Elementary Reading course teaches students to respond to texts and their peers. It focuses on discussion, considered responses, critical questioning, debate, analysis, and presentation. Students are expected to complete around 1 hour of homework per day.

### Grade 5 and 6 Math

**Grades - 5, 6**

Our Elementary Math course teaches students the understanding and capability needed to deal with fractions, decimals, and unit conversion: essential skills on the road to middle school. Students train through drills and activities, applying their understanding across a range of problem types. Students are expected to complete around 1 hour of homework per day.

## Middle School Classes

### Upper Level SSAT Reading and Verbal

**Grades - 7, 8**

Our middle school Upper-Level SSAT Reading & Verbal course accelerates students to success on the SSAT. Students rapidly acquire vocabulary through the study of roots, prefixes, suffixes, and over 200 test-centric words. Students quickly improve reading skills and learn test-taking strategies such as elimination and time management. Students will be expected to complete roughly 2-3 hours of homework per day.

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### Upper Level SSAT Math

**Grades - 7, 8**

Our middle school Upper-Level SSAT Math course prepares students for SSAT success by covering a range of concepts including ratios, proportions, conversion, equations, probability, geometry, exponents, radicals, and functions. The course will focus primarily on how these concepts are tested, specifically on the SSAT, and provide proven strategies to tackle each effectively. Students will be expected to complete roughly 2-3 hours of homework per day.

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## High School Class Descriptions

### SAT Reading and Writing

**Grades - 9, 10, 11, 12**

Our SAT Reading and Writing course delivers the concepts and skills necessary for the SAT Writing section (grammar, rhetoric, reading charts, question-answering techniques, and process of elimination) and the SAT Reading section – narrative, expository, and argumentative passages; question answering, strategically eliminating options, and time management. Students are required to either submit a recent official SAT score or take a mock test at Tokyo Academics: students scoring below 500 or above 700 may benefit more from private tutoring. Students can expect to receive 3-4 hours of homework per session.

### SAT Math II

**Grades - 9, 10, 11, 12**

Our SAT Math II course is designed to help students maximize their scores on the SAT Subject Math level 2 test. The content includes most topics in Pre-Calculus including numbers & operations, algebraic functions, matrices, data analysis, statistics, and probabilities. While content review is an important part, many tricks, shortcuts, and calculator optimizations are taught throughout the course. Students may expect 2-4 hours of homework per week.

### SAT Math

**Grades - 9, 10, 11, 12**

Our SAT Math course prepares students for the rigors of the SAT Math section with key concepts and problem-solving techniques in algebra, geometry, data analysis, and higher-level math. Students will engage in weekly practice, complete rigorous homework, receive rapid feedback, and be taught best practices and test shortcuts. Students are required to either submit a recent official SAT score or take a mock test at Tokyo Academics: students scoring below 500 or above 700 may benefit more from private tutoring. Students can expect to receive 3-4 hours of homework per session.

### AP Physics 1

**Grades - 11, 12**

Our AP Physics 1 course provides students with an introduction to Physics. Students will cover topics that appear at the start of the AP Physics 1 course in the same order that they are taught in their high school class, including kinematics, forces, linear momentum, static equilibrium, rotational motion, and gravitation. Students will be trained in the best problem solving habits and taught how to analyze and explain a physical scenario, not just memorize formulae. Students can expect to receive 2-3 hours of homework per session.

### AP Calculus AB

**Grades - 11, 12**

Our AP Calculus AB class helps students succeed in their school classes. The class will begin with an introduction to the concept of limits, as well as a review of key Pre-Calculus concepts critical to success in Calculus. The class proceeds to cover the techniques, fundamentals, and applications of differentiation. Given sufficient time and student performance, the class may also cover integration and differential equations. Students can expect to receive 2-3 hours of homework per session.

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## High School Class Descriptions

### Advanced Pre-Calculus

**Grades - 10, 11, 12**

Our Advanced Pre-Calculus course is a rigorous prep course for arguably the most challenging high school math class. Topics covered include but are not limited to quadratic functions, exponentials and logs, series and sequences, polynomials, trigonometry, conic sections, polar coordinates, vectors, and limits. Class time is devoted to individual problem solving while the instructor oversees students' work and checks their understanding and mastery of the material. Students can expect to receive 2-3 hours of homework per session.

### AP US History

**Grades - 10, 11, 12**

Our US History course prepares students not only for the various elements of the subject matter tested in the AP exam, but also develops in them the fundamental analytical and articulatory skills valued by schools, universities, and employers the world over. Participants learn how to locate and evaluate sources; embed various sources, including visual ones, within their own writing; develop historical hypotheses, and substantiate them through use of specific evidence. All of these skills are essential to success in both their high school class and eventually the AP exam itself. They will also focus on improving their essay writing skills through frequent assignments and in-class seminar-style discussion. Students can expect to receive 2-3 hours of homework per session.

### AP World History

**Grades - 9, 10, 11, 12**

Our AP World History course is designed to reflect the upcoming changes to the 2019-20 AP World History curriculum, and help students organize and process the 700+ years of history that they will be expected to learn and prepare them for the greater depth and accuracy that will be expected of them due to the curriculum changes. Class instruction will go beyond content delivery, and spend a significant amount of time focusing on the analytical skills necessary for success on the actual AP Exam. Students will learn how to take notes, organize information, tackle multiple choice questions and draft essay responses. Students can expect to receive 2-3 hours of homework per session.

### AP Macroeconomics

**Grades - 10, 11, 12**

Our AP Macroeconomics course covers the material of an introductory college-level Macroeconomics course, including economic concepts and institutions; growth, unemployment and inflation; money and banking; economic policies; and the international economy. Classes and homework will teach students to accurately and strategically answer multiple choice and free response questions on the AP Macroeconomics exam. Students can expect to receive approximately 2-3 hours of homework per session.

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## High School Class Descriptions

### **AP Biology**

**Grades - 10, 11, 12**

Our AP Biology course prepares students for the experimental approach to biology emphasized on the AP Biology exam while reinforcing concepts learned in high school biology courses. Concepts covered include ecology, biological chemistry, cell structure and reproduction, respiration, photosynthesis, plant and human anatomy, genetics, heredity, and evolution. Through interactive lectures, worksheets, and mock AP questions, students will develop a deep understanding of these concepts in order to test hypotheses, propose experimental plans, and analyze data mathematically. Students can expect to receive 2-3 hours of homework per week.

### **AP Chemistry**

**Grades - 9, 10, 11, 12**

Our AP Chemistry course reinforces the knowledge and skills that students are taught at school and that they will need for the May AP Exam. The topics include, but are not limited to, atomic & molecular structure, thermodynamics, stoichiometry, equilibrium, electrochemistry and acid-base chemistry. In addition to weekly review of academic course work, students will cover test taking strategies specific to the AP Chemistry exam. Homework is assigned to those students in need of additional practice or upon request.

# 2020 Spring Intensive Classes

## IMPORTANT NOTES

### A. FREE Class Audit

Students who filled out the online registration form and **chose to AUDIT** the courses are welcome to attend the first day of intensive classes, commitment-free, to observe class format and pace. Parents will only be billed if the student decides to continue the class. If a parent decides to cancel the class after the first day, it will be treated as an **Audit**.

### B. Class Billing

- Unlike weekly classes, intensive classes are billed for all instruction hours regardless of student attendance.
- Billing is at the end of the month.
- A single trial class will always be free of charge and is only billed once the student decides to join the intensive course.

### C. Class Content

Our intensive sessions cover less content than our weekly classes, but we still address fundamentals.