

5. Liberal Arts

教養科目

What sets J Prep Scholars apart from other jukus or test prep services is our commitment to helping students develop into critical thinkers and leaders through the liberal arts. We do not believe in teaching to a test. Rather, we are committed to empowering our students with the confidence and knowledge that will help them explore their passions and succeed in their current and future academic endeavors.

J Prep Scholars offers two liberal arts programs. Each program features coursework in the following tracks: English Language, the Humanities, Quantitative Sciences and Mathematics, and the Natural Sciences. All courses are conducted in English and are led by instructors who are both experts in their fields and committed educators.

少人数でのセミナースタイルにより、研究指導を行います。日本の中学校、高等学校では十分な読書指導がなされません。限られた分量のテキストを、内部参照だけで受動的に読む作業が中心になりがちです。これを踏まえ、J PREP の教養カリキュラムでは、大学以降の教育研究や、実務の場で役立つ情報の読み解き方、自己表現の作法を丁寧に指導します。

授業はすべて英語で行われます。コースは主に中学生向けの入門コース Emerging Scholars と、高校生向けの上級コース Young Scholars の二つに分かれています。授業内容は、英語、人文科学、社会科学、数学、自然科学の各分野より設定されます。

教養カリキュラムは、留学指導部門 J PREP Scholars 内のコースとして開講されますが、J PREP の ES コース在籍生の受講も可能です。

Emerging Scholars (Middle School)

Our Emerging Scholars division provides middle school students with courses that allow for the development of a solid foundation in the liberal arts.

Intro to Academic and Narrative Writing ナラティブ/アカデミック・ライティング

This course focuses on helping students develop the fundamentals of academic writing in English, with the goal of sharpening students' critical reading and writing skills. Students will pay close attention to reasoning, as well as develop skills in forming, developing, and refining arguments and explanations. Students will be expected to practice their writing for various audiences and genres. Students will also learn more about finding/citing sources, mechanics, and style. Students will also develop strategies and technique for writing great persuasive works and narratives. The course will also spend time analyzing written works and providing peer editing. This course is highly recommended for students who will have to write school research papers, personal statements, or other college application essays.

This course is available for both middle school and high school students.

The Great Books I 古典的著作②

This course is devoted to close reading, analysis, and discussion of some of the Western canon of literature. This course will cover a myriad of literary works across the following four periods: Classical Roman and Greek, Medieval and Renaissance, 18th-19th Centuries, Modern and Contemporary. The course aims to familiarize students with the basic analytic categories of plot, character, setting, tone, theme, symbol, etc. and feature opportunities for students to engage in written analysis.

Algebra, Geometry, and Beyond 代数・幾何と応用

Students enrolled in this course will receive expert instruction on the following mathematical subjects: geometry, trigonometry, linear algebra, linear algebra, and pre-calculus. In addition, this program will prepare students for the SAT Subject Tests – Mathematics Level I and Level II and the AP mathematics exam.

Introduction to Chemistry 化学

Students in this course will gain a concrete understanding of the major concepts of chemistry, the ability to apply principles to solve problems, and the confidence to draw conclusions and make inferences from experimental data. Subjects covered in this class include structure of matter (atomic structure, molecular structure, bonding), states of matter (gases, liquids and solids, solutions), reactions (acids and bases, oxidation-reduction, precipitation), stoichiometry (mole concept, chemical equations), equilibrium and reaction rates (equilibrium systems, rates of reactions), thermochemistry, and descriptive chemistry. This course also prepares students for the SAT Subject Test – Chemistry and AP Chemistry exam.

Young Scholars (High School)

Our Young Scholars division provides high school students with courses that focus on refining their knowledge and skills in a wonderful variety of subjects and disciplines.

The Great Books II 古典的著作 II

This course is the second seminar of the Great Books sequence. Students will continue to engage with literary works from the following periods: Classical Roman and Greek, Medieval and Renaissance, 18th-19th Centuries, Modern and Contemporary. Students will also hone their abilities in literary analysis and be introduced to advanced topics in literary criticism and theory.

Introduction to Calculus 微積分入門

This course is roughly equivalent to an introductory college calculus course. The program will be devoted to topics in both differential and integral calculus. Students will receive thorough instruction on the following mathematical subjects: limits, derivatives, definite integrals, and the Fundamental Theorem. By the end of the course, students will be able to approach and analyze calculus concepts and problems graphically, numerically, analytically, and verbally.

Introduction to Physics 物理学

Students will be provided with instruction on physics. Students will gain a concrete understanding of the major concepts of physics and the ability to apply these principles and knowledge to solve problems. Subjects covered in this class include mechanics (kinematics, dynamics, energy and momentum, circular motion, simple harmonic motion, gravity), electricity and magnetism (electric fields, forces, and potentials, capacitance, circuit elements and DC circuits, magnetism), wave and optics, heat and thermodynamics, and modern physics (quantum phenomena, atomic physics, nuclear and particle physics, relativity). This course also prepares students for the SAT Subject Test – Physics.

Liberal Arts 教養カリキュラム 2017 年度

概要

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教養カリキュラムは、留学指導部門 JPREP Scholars 内のコースとして開講されますが、JPREP の ES コース在籍生の受講も可能です。受講希望の方はお問い合わせください。

講師

博士号を取得した日本人講師、もしくは英米の代表的大学を卒業したネイティブスピーカー講師が指導に当たります。

通常授業

授業期間	2 学期制：A セメスター 3/11～9/1 B セメスター 9/2～3/2 各 22 週の授業
開講曜日	別紙にてご案内します。
授業時間	週 1 回 2 時間
月謝	30,000 円
図書購入費	コースにより別途請求
宿題	主として作文課題、読解教材予習。