THE KAISEI ACADEMY

Course Descriptions

Japanese Language

Language Culture
This course covers contemporary Japanese language and high school Kanji.

Contemporary Japanese Language
This course covers Japanese literature from the Man'yōshū to modern literature.

Japanese Language (Logic)
This course focuses on academic writing, reading and interpreting texts, crafting arguments and counterarguments, logic, rhetoric, and synthesis.

Advanced Classics
This course focuses on classical Japanese literature (from the earliest writings to the medieval period), and classical Chinese texts from the Heian period.

Classics Reading
This is an elective course focusing on in-depth reading of Japanese poetry and haiku, as well as classical Chinese poetry and Confucian texts.

Social Studies

Geography
This course focuses on map reading skills, topography, climate, and the main industries and economic activities of regional sectors worldwide, with an emphasis on local cultures (human geography).

Advanced Geography [AP Equivalent]
(Prerequisite: Geography)
This course focuses on both experimental and observational studies of nature and environment, industry and resources, cultural patterns, population studies, agriculture, urban space, and globalization. Content-wise equivalent to the AP Human Geography course.

Modern and Contemporary History
This course covers modern world history from the 19th century to the present time.

Advanced World History
(Prerequisite: Contemporary History)
This course surveys world history from prehistory and the dawn of civilizations to the present time.

Advanced Japanese History
(Prerequisite: Contemporary History)
This course covers Japanese history from prehistory, the Jōmon period, to the present time.

Mathematics

Mathematics I
This course covers Algebra (Algebra 2 in the U.S.), trigonometric ratios, and basic data analysis.

Mathematics II
(Prerequisite: Mathematics I)
This course covers analytic geometry, trigonometric functions, pre-calculus, and logarithmic functions.

Mathematics III [AP Equivalent]
(Prerequisite: Mathematics II)
This course covers differential and integral Calculus (their applications and equations), parametric equations, and polar coordinates. Content-wise equivalent to the AP Calculus BC course.

Mathematics A
This course covers probabilities, integers, and geometric figures.

Mathematics B
(Prerequisite: Mathematics A)
This course covers arithmetic and geometric sequences, probability distribution and statistical inference.

Mathematics C
(Prerequisite: Mathematics B)
This course covers plane and spatial vectors, complex planes, and quadratic curves.

Science

Basic Biology
This course covers cell structure and energy, genes and their functions, body structure, nervous and respiratory systems, immunity and disease, climate and biome, and ecosystems.

Advanced Biology [AP Equivalent]
(Prerequisite: Basic Biology)
This course covers cell biology, the structure of genes, heredity and anatomy, animals in their environments, ecology, evolution, and biological diversity. Similar topics as covered by the AP Biology course.

Basic Chemistry
This course covers atomic structure, chemical bonds, characteristics of period table elements, stoichiometry, acids and bases, and redox reactions.

Advanced Chemistry [AP Equivalent]
(Prerequisite: Basic Chemistry)
This course covers intermolecular forces and properties, thermodynamics and equilibrium, chemical reactions, solutions and solubility, organic and inorganic substances, and polymer compounds. Content-wise equivalent to the AP Chemistry course.

Basic Earth Science
This course covers Earth's geological features, plate tectonics, paleontological eras, atmospheric and oceanic structures, the solar system and space, and Japan's natural environment.

Advanced Earth Science
(Prerequisite: Earth Science)
This course builds upon the basic course, investigating the Earth's shape and gravity, geomagnetism, seismic waves, igneous rocks, erosion and soil, sedimentary rocks, metamorphism, and earthquakes.

Basic Physics
This course covers measurement, kinematics, laws of motion, work and energy, oscillation and waves, electricity, and electromagnetism.

Advanced Physics [AP Equivalent]
(Prerequisite: Basic Physics)
This course covers circular motion and gravitation (Kepler's laws), kinetic theory of gases and thermodynamics, harmonic motion, optics, interference and diffraction, electric charge, dielectrics and DC/RLC circuits, mechanical waves and sounds, nuclear and quantum physics. Similar topics as covered by the various AP Physics courses.

Civics

Public
This compulsory high school course gives a broad overview of ethical theories and political systems.

Ethics
This compulsory high school course focuses on ancient philosophy, world religions, modern Western political thought, and contemporary ethics.

Politics and Economy
This compulsory high school course focuses on the Japanese political system within the context of world political models. It also surveys essential economic principles with an emphasis on the national economy.

Foreign Languages (English)

English Communication I, II, III
An English grammar and reading course helping students acquire the necessary skills and knowledge required for the university entrance exams.

English Logic & Expression I, II, III
Content-based instruction using multiple sources from literature, academic theories, global issues, and current topics from online magazines and newspapers.

Health and P.E.

Physical Education
Students take P.E. class every year, developing skills in activities that help them maintain fitness throughout high school life.

Health
Health education course focusing on lifestyle, infectious diseases, STDs, mental health, first aid, etc.

Fine Arts

Students are required to take at least one Fine Arts course to graduate. Level II, III courses are optional.

Art and Design I, II, III
Study and practice of painting, drawing, sculpture, and design.

Calligraphy I, II, III
Study and practice of Japanese calligraphy and its historical styles.

Crafts Production I, II, III
Students can opt for pottery or traditional Japanese crafts (origami, paper lanterns, wood blocking, etc.)

Music I, II, III
Introduction to music and note-reading. Students select an instrument that they want to achieve proficiency and mastery. Students can also opt for singing or music composition.

Miscellaneous

Basic Home Economics
This course covers skills necessary for life after high school and university, such as child-rearing, personal finances, relationships, diet, and cooking.

Information Study
This course covers digital information, network and information systems, computer simulations, and algorithms.

Inquiry-Based Study
This class serves many purposes: study hall, homeroom, student exam, and university guidance.