

High School Course Description Guide

2024-2025



Scan the QR code
for the online version of
High School CDG

Naga (Dragon)

The dragon is a Chinese symbol that has been absorbed into Indonesian art. To the Chinese he represents good fortune and symbolizes many things such as happiness, perseverance and excellence and the ability to overcome all obstacles to achieve success. The Naga is seen as the Guardian of the Earth.

The design of the Naga on the JIS batik is based on the JIS dragon fountain on the Cilandak campus – a Balinese design (as is the design of Jatayu). The faces have been changed to the comical designs of Javanese Naga's to represent Fun and make us smile.





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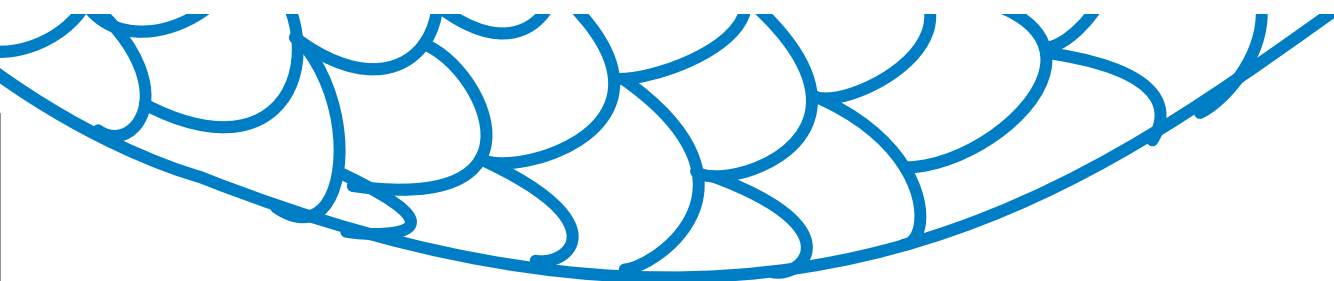
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Introduction

Purpose of the Course Description Guide

The *Course Description Guide* (CDG) helps each student plan a high school program that meets their individual interests, abilities, needs and goals for further education. The CDG describes all of the courses the high school intends to offer in the following academic year.

*Please note the inclusion of a course in the CDG **does not** guarantee that the course will be offered next year. Courses are scheduled on the basis of student interest and the most effective utilization of teachers and resources. The school reserves the right to cancel any course for administrative reasons.*

New students to the high school may find that some of their first choices are unavailable because they were over-subscribed. We apologize for that, however, students and parents should study the CDG for each subject area and the program planning advice and other information given in order to make an informed selection from the courses offered. Students and parents who require more information about courses and who need assistance in program planning should arrange to meet with teachers, counselors, IB/AP Coordinator and/or Vice Principal for Curriculum and Learning.

Academic Programs

JIS offers a full high school program of studies based on the best curriculum models worldwide, which are designed to prepare students for college or university studies. The Grade 9 and 10 program consists of curriculum based on international curriculum standards that is designed to prepare students for success in Grades 11 and 12. In Grades 11 and 12, JIS offers internally developed high school courses and courses within the International Baccalaureate (IB) and Advanced Placement (AP) curriculum. The primary focus of our IB and AP curriculum is to prepare students to be critical thinkers, equipped with the academic skills necessary for rigorous university study. All courses are taught in English, with the exception of modern language course offerings.

The HS Schedule and Student Course Load

High School timetable and SLA

The High School timetable consists of a 10 day cycle where days are named by letters 'A' through 'J'. There are 5 class blocks each day, which makes 50 blocks in a 10 day cycle. Students take a range of 34-45 blocks each semester. All high school students are enrolled in Supervised Learning and Advisory (SLA). The purpose of SLA is to provide students time during the school day to do "homework", study for classes, and fulfil other requirements of their learning such as meeting with teachers for extra help. Students also follow an Advisory curriculum in the SLA, which focuses on essential skills and concepts appropriate to each grade level. Lessons include developing balance and wellness in their lives, time management, digital citizenship, and how to work through conflict with peer social groups.

Honor Pass

All students have Honor Passes within the 10 day cycle. Honor Passes are "free blocks" during which students are self-directed in their learning. They may meet with teachers, visit the library, work collaboratively with peers, or simply relax between classes. We have intentionally structured an increasing number of Honor Passes from Grade 9 to 12 in order to support students in their ability to manage free time successfully. We believe this is an essential part of the JIS experience that prepares students to be successful in university studies. Students who do not demonstrate the ability to successfully manage free time may lose this privilege.

Grade 9: A typical Grade 9 student will have the following classes that each meet 5 times over a 10 cycle: SLA 9, English 9, Mathematics, Science, Social Studies, Modern Language, Creative Arts (the equivalent of 2 credits), and PE/Health. This equals 45 out of 50 blocks over a 10 day cycle. Students have one Honor Pass every other day.

Grade 10: A typical Grade 10 student will have the following classes that each meet 5 times over a 10 cycle: SLA 10, English 10, Mathematics, Social Studies, and a choice of Sciences, Modern Languages, and/or Creative Arts. Students may begin a limited selection of AP courses in Grade 10. All students take Health and Wellness and 2 PE semester courses. This usually equals 45/50 periods over the 10 day cycle in class. Students have one Honor Pass every other day.

Grade 11/12: In Grades 11 and 12, students have the opportunity to focus or “specialize” in areas of passion. For example students may take multiple courses within one subject area such as the arts, the sciences, or social studies. Students may begin IB and begin or continue taking AP courses in Grade 11. All students must maintain a timetable with a minimum of 34 blocks and maximum 45 blocks out of 50 over a 10 day cycle. This is made up mostly of courses that meet 4 times over 10 days or 6 times over 10 days.

Examples:

An IB Diploma student will usually have 40/50 (3 Higher Level courses = 18 blocks, 3 Standard Level courses = 15 blocks, ToK = 4 blocks, SLA = 3 blocks)

From academic year 20/21 all Grade 11/12 SLA will be 3 blocks

Block Counts

Block Counts 24/25

6 Block courses (5 +1)	5 Block courses	4 block courses	3 block courses	4 block courses in one semester
AP Chemistry	Bahasa, Sastra and PPKN 9 (WNI only) Bahasa dan Sastra 10	IB Core (was ToK) G11 and G12	All Grade 11/12 SLA	PPKn 11
Both English APs: Lit and Comp and Lang and Comp	AP B/C Calc	All PE 11/12 courses		PPKn 12
AP Seminar/AP research	AP Human Geo	Maths in decision making/Pre-college maths		
AP Psychology	AP Macroeconomics	Academic Eng 11/12		
AP A/B Calc	AP Microeconomics	Independent Study		
AP US History	All IB SL classes			
All AP Art & Design	AP US Government & Politics	Learning Strategies 11/12		
All Higher Levels IB	All 9/10 classes incl SLA			

Indonesian Ab Initio	All 9/10 PE Classes			
AP Comparative Govt	English 11/ English 12			
AP Modern World History	AP Stats			
AP Pre-calculus	All CA options that are non/IB/ AP including Independent Study: Art			
AP Biology	Bahasa and Sastra Indonesia 11			
AP Comp Sci A/	Bahasa and Sastra Indonesia 12			
APES	Investigative Science/Practical Physics/Food Science			
AP Physics 2	AP Physics 1			
	GOA			
	Mandarin, French, Spanish, Indonesian 1-4 Japanese 1-2 Korean Lang and Lit 9/10 French Lang and Lit 9/10			
	Physical & Human Geography			
	Modern World History			
	AP European History			
	SS One Semester Courses Criminology Business & Society Sports & Society Business Psychology Personal Finance Maps of the Modern World			
	Global Perspectives			

	PPKn G10 (one semester)			
	AP Comp Sci Principles			
	Spanish Ab Initio Japanese Ab Initio French Ab Initio Mandarin Ab Initio			

Scheduled blocks	Where the +1 fits in/CD's version
1a	5B
1b	5C
2a	5D
2b	5E
3a	5H
3b	5G
4a	5J
4b	5I
5A	Free*
5F	Free*

JIS High School Graduation Requirements

Minimum credit requirements for JIS Graduation

Subject Area/Discipline	Requirements
English	4 credits
Mathematics	2 credits
Science	2 credits
Social Studies	2 credits
Modern Languages ¹	2 credits
Physical Education ²	2 credits
Health ³	0.5 credits
Creative Arts ⁴	2 credits
Supported Learning and Advisory (SLA)	Compulsory course each year
Indonesian Studies	0.5 credits required for all non-Indonesian passport holders (one time in HS)
Indonesian Civics/Pendidikan Pancasila ⁵	Compulsory course for Indonesian passport holders each year
Religion	Compulsory course for Indonesian passport holders each year
JISCAS (Creativity, Action & Service) 9-12 (IBCAS for Grade 11 & 12 if the student is an IB Diploma student)	Successful completion of 9/10 and 11/12 components
LEAD week experience	Successful completion of annual LEAD week requirements (does not apply to G12)
Electives	Remaining credits
Total graduation credits	24 credits

1. Indonesian students must take one of our year-long Indonesian language classes all 4 years, totalling 4 credits of Modern Language
2. credit may be waived for Indonesian students if student chooses an additional language to Indonesian for both grades 9 & 10. PE & Health requirements should be completed by the end of Grade 10 for students arriving in Grades 9 or 10.
3. PE & Health requirements should be completed by the end of Grade 10 for students arriving in Grades 9 or 10.
4. credit may be waived for Indonesian students if student chooses an additional language to Indonesian for both grades 9 & 10
5. Indonesian National required courses are included in “externally examined courses” along with International Baccalaureate and Advanced Placement courses.

Letter Grades and GPA

Letter Grades are reported at the end of each semester and credit is awarded for courses successfully completed. With effect from the class of 2015 there will be no weighting of GPA. The scale below indicates the corresponding letter grade and grade points:

Grade	Grade Points
A*	4.3
A	4.0
B	3.0
C	2.0
D	1.0
F	0.0

Credits

At least five credits must be earned at JIS to be eligible for graduation. Courses taken in Grades 6, 7 and 8 **do not count** for graduation credits. A student must satisfactorily complete a full semester of work, complete all key summative assessments (including tests, projects, exams etc) in order to receive a semester grade and one-half credit.

JIS CAS (Creativity Action Service)

In the High School, all students from Grades 9-12 will be involved in creativity, activity and service experiences as an integral component of the High School experience and thus it is a crucial **graduation requirement**. It will be comprised of two components, both of which need to be completed by any student in the High School;

- Grade 9/10 JISCAS
- Either Grade 11/12 JISCAS or IBCAS
 - Please note; If a student enrolls in Grade 10, 11 or 12, only the possible component(s) remaining need to be completed for graduation.
 - Please see the full description in the High School Handbook regarding CAS requirement at this [link](#)

Credit for JIS Academy Summer Program Coursework

Courses offered through the JIS Academy Summer Program may be taken for enrichment, enhancement and in order to allow students more room in their schedules throughout the year. It is not the function of the JIS Academy Summer Program to facilitate early graduation. JIS credit will not be granted for courses taken at any other educational institution during the summer.

Graduation Requirement Exemptions

JIS is a mission driven school and our graduation requirements reflect our values and core documents as well as the requirements of a rigorous high school academic program. Only under exceptional circumstances will graduation requirements be exempted or waived. Such an exemption can only be granted by the High School Principal, after consultation with the High School Counseling Department. Students who enter the high school in Grade 11 may request to waive certain graduation requirements as there may not be room in their schedules, which are devoted to curriculum to prepare them for university study.

Early Graduation

Jakarta Intercultural School's High School academic program is designed to be completed in eight semesters. In special circumstances, and only for students meeting the academic requirements, there may be a compelling reason for a student to graduate in December of his or her senior year.

The following conditions must be met in order for a student to graduate in December:

1. A letter requesting consideration for December graduation must be submitted by parents to the school principal by 15 April of a student's Grade 11 school year. The letter of application for December graduation must demonstrate a compelling need and provide specific reasons.
2. The following criteria must be met for eligibility:
 - The student must have spent one academic year at Jakarta Intercultural School and must have earned at least five JIS credits before applying for December graduation.
 - The student must have earned the minimum credit requirements for graduation.
 - A minimum grade-point average (GPA) of 3.00 is required at the time of application. This minimum 3.00 GPA must be maintained throughout the student's final semester.
 - The student must have demonstrated a level of competence in the English language, as represented by the successful completion of English 11 or equivalent.
 - The student must have completed a minimum of eight semesters of high school.
 - Requests for December graduation will be granted before the end of the Grade 11 school year.

IB & AP Program & Courses

Policy on Registration for External IB and AP Exams

In addition to the educational benefits and increased credibility of an externally assessed exam, it is important that JIS as an institution report accurately to universities the courses students have taken. The IB or AP designation is significant information and many universities assume that if the IB/AP course is listed on the transcript the external exam will be taken. Therefore, it is mandatory for all students enrolled in an IB or AP course to register for and sit the external exam in May.

Approximate costs for each program are approximately \$145 per IB subject and \$165 per AP subject. Registration occurs in October while payment occurs in November before the May session in which the student will sit the exam(s). Changes or cancellations made to exam orders after the Nov 15 deadlines will result in additional fees.

If a student does not register for the external exam they may be required to move to a suitable alternative course at the end of the semester. If there is no such alternative and the student remains in the IB or AP course, the course title will be changed on the student's transcript to remove the IB or AP designation. For example, "IB H2 Physics" would simply become "Physics." Additionally, a student not sitting the external exam would be required to write a JIS year-end exam instead and submit any additional projects as determined by the subject teacher.

Advanced Placement (AP)	International Baccalaureate Diploma Program (DP)	International Baccalaureate Career-related Program (CP) <small>**JIS is a Candidate School</small>
<hr/> AP Capstone Diploma Courses AP Seminar AP Research <hr/>	<hr/> IB Core 1 IB Core 2 <hr/>	<hr/> Personal and Professional Skills Language Development <hr/>

International Baccalaureate Diploma Program (DP)

The International Baccalaureate Organization (IBO) provides a rigorous university-level curriculum and assessment for courses in the final two years of high school.

IB Courses may be taken individually for IB Certificates or as part of the full IB Diploma Program (DP). The IB DP is widely recognized and highly respected by colleges and universities all around the world. Students who complete the IB Diploma Program or Courses/Certificates may be granted credit or allowed to take more advanced courses in many colleges and universities.

To earn an IB Diploma, a student must successfully complete the Core of the DP as well as the required distribution of Courses. The three elements of the IB DP Core are:

1. The Theory of Knowledge (TOK) component,
2. Creativity, Activity, and Service (CAS) experiences, and
3. The Extended Essay (EE).

The Course distribution requires one course each in the following Groups:

1. Studies in language and literature,

2. Language acquisition,
3. Individuals and societies,
4. Science,
5. Mathematics,
6. The Arts (or a second course in one of the above groups)

Descriptions for each of the subjects on offer from the IB can be found on this link: <https://www.ibo.org/university-admission/support-students-transition-to-higher-education/faqs-for-counsellors-students-and-parents/> under “Diploma Program Subject briefs”

Three of these courses must be taken at the Higher Level (HL) and three at the Standard Level (SL).

Four Higher Level courses: While typically not necessary for university entry, students at JIS can self-advocate for the right to take four HL courses rather than the standard three. Students choosing to exercise this right, should be aware that this is a significant increase in workload.

JIS offers the following IB Courses in each Group (subject to sufficient enrolment). Courses are offered at both the HL and SL levels unless otherwise noted.

Language A

- IB English A Lang & Lit
- IB English A Literature
- IB Japanese A Literature
- IB Korean A Literature
- IB Indonesian A Lang & Lit

Language B

- IB French B
- IB Indonesian ab initio
- IB Indonesian B
- IB Japanese B
- IB Mandarin B
- IB Spanish ab initio
- IB Spanish B

Social Studies

- IB Business Management
- IB Economics
- IB Geography
- IB Global Politics
- IB History
- IB Psychology

Science

- IB Biology
- IB Chemistry
- IB Computer Science
- IB Enviro Systems & Societies
- IB Physics
- IB Sports, Exercise & Health Science

Math

- IB Analysis & Approaches
- IB Math Applications & Interpretation

Creative Arts

- IB Dance
- IB Film
- IB Music
- IB Theatre Arts
- IB Visual Arts

IB DP Core 1 & 2

IB Core 1 (49551y)

One year - 1 credit

Grade 11 (obligatory for grade 11 IB Diploma Program candidates)

This course brings together the three elements of the IB Core; The Theory of Knowledge course, the Extended Essay, and support for reflections in CAS. “Who am I as a knower? How do I know those things I believe to be true?” The purpose of this course is to help students recognize themselves as “knowers.” They are invited to question the validity of the bases of knowledge they receive in their schooling, as a foundation for lifelong learning and the development of a personal philosophy. The skills emphasized in the course are critical thinking, active discussion, analytical writing and integration of knowledge. Much of the first year of this two-year course is devoted to consideration of the Ways of Knowing - and their relationship to knowledge. Also covered are Areas of Knowledge: natural and human sciences and the arts.

IB Core 2 (49552y)*One year - 1 credit**Grade 12 (obligatory for grade 12 IB Diploma Program candidates)**Prerequisite: IB Core 1*

This course brings together the three elements of the IB Core; The Theory of Knowledge course, support for the Extended Essay, and CAS support. This course represents the second year of a two-year course. While the same skills are emphasized in both years, the course content changes a bit in the second year, with more of a focus on the remaining Areas of Knowledge: mathematics and history. Overall course assessment also takes on more importance, with attention paid to the final essay on a prescribed title and the oral presentation.

International Baccalaureate Career-related Program (CP)

The Career-related Program (CP) is an alternative IB program for students who are focused on their career goals early. The CP is the most recent addition to the IB. This program provides more choice when choosing their pathway in the IB. The CP prepares students for a changing and mobile range of employment opportunities as well as further and higher education. The CP integrates diverse, general learning areas and specific career-related content in a rigorous educational framework. JIS is partnering with further and higher education institutions such as universities and colleges to deliver career-related courses.

To earn an IB Career-related Certificate, a student must successfully complete the Core of the CP as well as the required distribution of Courses. The four elements of the CP Core are: Personal and Professional Skills, Service Learning, Language Development, Reflective Project.

CP Candidates are also required to complete at least two DP courses (SL or HL) from any of the six subject groups listed under the DP (listed above)

IB Career-related Program Core Subject

IB CP Personal and Professional Skills (49553y)

The personal and professional skills course aims to develop responsibility, practical problem-solving, good intellectual habits, ethical understandings, perseverance, resilience, an appreciation of identity and perspective, and an understanding of the complexity of the modern world.

Emphasis is on the development of skills needed to successfully navigate higher education, the workplace, and society. As a culminating project in this course, students will complete their Reflective Project which is an extended work on an issue of applied ethics in relation to their career-related studies. **There are five themes in personal and professional skills:** Personal development - Intercultural understanding - Effective communication - Thinking processes - Applied ethics. Source - CP From Principles into Practice

IB Career-related Program - Career-related Studies

IB CP Career-related Studies

The career-related study prepares students for further or higher education, an internship, an apprenticeship, or a position in a designated field of interest. It provides an opportunity for students to learn about theories and concepts through application and practice while developing broad-based skills in authentic and meaningful contexts. JIS works with several outside accrediting institutions in the fields of Business, and Art and Design.

The following apply to those considering taking the Career-related Programme :

1. A passing grade in a CRS course will provide the student with elective credit of 0.5 which will count towards the 24 credits required for graduation from JIS.
2. CRS courses are open only to students enrolled in the IB Career-related Program.
3. Important note: There may be an **additional cost** borne by the student's family to have access to some of the CRS partner courses. Please ensure that your parents are aware of this. Please talk to the IB CP Coordinator if you have any questions.
4. CRS courses over the two years of the programme starting in August of grade 11.

The following are our Career-related studies partners:

Savannah College of Art and Design (SCAD) - Art and Design

Launch your creative education early with award-winning, university-level courses. International Baccalaureate Career-related Programme students can earn up to 25 credit hours at SCAD and benefit from unmatched resources and individual attention. Qualified high school students admitted to SCAD for dual enrollment through IBCP may be eligible to receive up to a half-tuition scholarship.

Sustainability Management School (SUMAS) - Sustainable Business Management

SUMAS Career-related Studies® “Business & Sustainability” are designed for self-confident students, who have a clear idea about their career path. Students will pursue career-related education during the last two years of their high-school. This study program is relevant for all students who are interested in responsible management applicable in different fields.

The SUMAS CrS® aims to provide students with the foundational knowledge on managing sustainability and helps them develop their competencies in becoming responsible leaders.

World Academy of Sport (WAoS) - International Sports Management

The Career-related Studies (CRS), International Sport Management (ISM) has been developed by World Academy of Sport (WAoS) and Federation University. The CRS offer is made up of three courses selected and specifically designed from the first-year university degree programme. As such successful completion of the CRS provides a direct pathway to a Bachelor of International Sport Management offered by Federation University and includes credits in the first year of the undergraduate programme.

Embry Riddle Aeronautical University - Aeronautical Engineering

[The Embry-Riddle Dual Enrollment Program](#) allows students to pursue advanced undergraduate courses while completing their high school diplomas. Credits earned from the Dual Enrollment Program can be transferred to a range of undergraduate degrees offered by Embry-Riddle, as well as other universities, potentially reducing the time needed to complete an undergraduate degree!

For more information on the IB Career-related Programme, please contact our IB CP Coordinator at ibapcoordinator@jisedu.or.id.

Advanced Placement (AP)

The College Board's Advanced Placement (AP) program provides rigorous university-level curriculum and assessment for courses in the final two years of high school.

AP Courses may be taken individually or as part of the AP Capstone Diploma Program. The AP is widely recognized and highly respected by hundreds of colleges and universities around the world. Students who complete the AP Capstone Program or AP courses may be granted credit or allowed to take more advanced courses in many colleges and universities.

To earn an AP Capstone Diploma, a student must take and pass AP Seminar and AP Research in addition to four (4) AP courses of their choosing. Students who take and pass AP Seminar and AP Research without the additional required four (4) AP Courses will earn the AP Seminar and Research Certificate.

Students wishing to register for exams without taking the corresponding course may apply to the HS Administration to sit an AP exam without registering for the course.

Grade 9 students are not permitted to register in AP Courses.

Grade 10 students have a restricted range of AP courses open to them on the condition that it fits their schedule. Currently available for G10 are as follows:

- AP Human Geography
- AP World History: Modern (due to scheduling, cannot be taken if student is also taking AP Seminar)
- AP Physics 1
- AP Computer Science Principles
- AP Seminar (with recommendation from either G9 English or Social Studies teacher. Due to scheduling, cannot be taken if student is also taking AP World History: Modern.)

G10 students should be aware that in the case of 6 block AP classes they will lose one honor pass for each AP class.

Science

- AP Biology
- AP Chemistry
- AP Computer Science A
- AP Computer Science Principles
- AP Environmental Science
- AP Physics 1 & 2
- AP Physics C

Social Studies

- AP Comparative Government
- AP Human Geography
- AP Macroeconomics
- AP Microeconomics
- AP Modern World History
- AP Psychology
- AP US History
- AP European History
- AP US Government

Creative Arts

- AP Studio Art: 2D Design
- AP Studio Art: 3D Design
- AP Studio Art: Drawing

Math

- AP Calculus AB
- AP Calculus BC
- AP Statistics
- AP Precalculus

Math

- AP Language & Composition
- AP Literature & Composition

AP Capstone Diploma Program Courses

AP Seminar (25101y)

One year - 1 credit

Grade 11, 12

Prerequisite: none

AP Seminar is a college-level, skills-based course focused on student-directed research, writing and oral presentations. Students will explore a wide variety of source material of different types and disciplines. Students practice reading and analyzing a variety of sources, learn to synthesize information from multiple sources, develop their own perspectives in research-based essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments; skills with immediate and long-term applicability for university and beyond. (Adapted from AP Resources at www.collegeboard.com).

AP Research (25102y)

One year – 1 credit

Grade 12

Prerequisite: AP Seminar

Building upon the fundamental research, writing and presentation skills forged in AP Seminar, AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. Students further the skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address their research question. Students create and maintain a year-long portfolio that documents their ongoing reflections upon their process. The course culminates in an academic paper of 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation including a public oral defense. (Adapted from AP Resources at www.collegeboard.com).

Global Online Academy

JIS is fortunate to be a member of the Global Online Academy (www.globalonlineacademy.org). This gives us access to a wide range of outstanding online courses. Learning in an online environment is an important life skill for our students. The GOA experience connects you to a global network of people and resources: students and teachers come from over sixty of the best independent schools worldwide.

GOA Administration

1. A passing grade in a GOA course will provide the student with an elective credit of 0.5, which will count towards the 24 credits required for graduation from JIS.
2. It is generally only possible to take one GOA course in any one semester.
3. GOA courses can only be taken by Grade 11 and 12. The only possible exception to this are the GOA summer school courses (see below), which can be taken in the summer between G10 and G11.
4. Important note: There will be an **additional course fee** borne by the student's family to have access to GOA courses, which will now include Indonesian taxes in addition to the course fees. Please ensure that your parents are aware of this.
5. GOA counts as a 5 Block class in student schedules

Registering for a GOA Course

If you are interested in taking a GOA academy course. Please do ALL of the following steps (especially step 3):

1. Please sign up through our course selection process
2. Let your counselor and parents know of your interest
Register for the course you want at this link: <https://globalonlineacademy.org/student-program/student-courses>
3. Contact the Associate Principal for Curriculum & Learning, who will confirm your place on the GOA Site Director Portal.

Required Materials

If you have signed up for a GOA course for academic year 2023/24 you can find the required materials list here:

<https://docs.google.com/spreadsheets/d/18TaIO4lhXXs9lhW9TJLxXhtsBSB9TIJfKQAFYtJvol/edit?gid=0#gid=0>.

GOA Second Semester Classes

GOA Semester 2 lasts from Jan 10, 2024-April 26, 2024. You can register for them here:

https://goa.my.site.com/registration/s/catalog?gl=1*1o6if6k*_ga*MTI3MjU0MDAyMi4xNzAzODQwMTgz*_ga_H7XZM6E8F3*MTcwNDE4ODI3Ny40LjEuMTcwNDE5MTIyNi42MC4wLjA.

GOA Summer Courses

Learn more about GOA Summer courses here:

<https://globalonlineacademy.org/student-program/summer-courses>

<chrome-extension://efaidnbnmnibpcjpcglclefindmkaj/https://globalonlineacademy.org/media/publications/GOA-2024-Summer-Course-Catalog.pdf>

External links

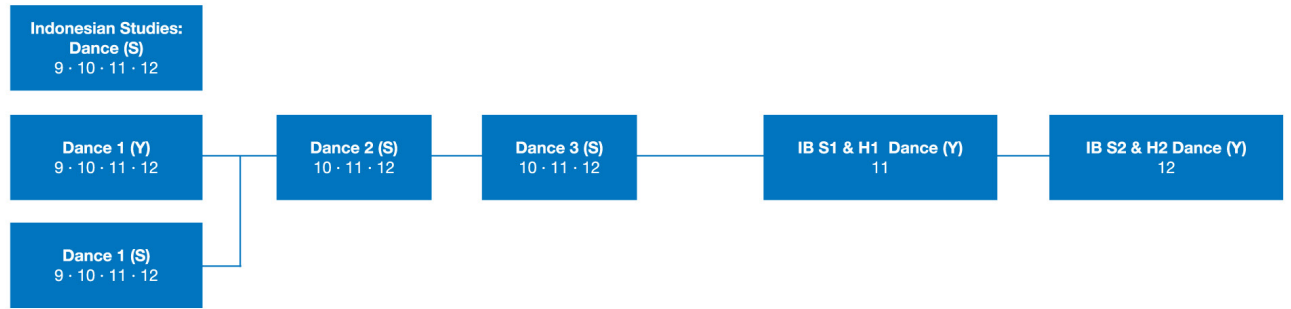
Global Online Academy YouTube channel: <https://www.youtube.com/@GOAlearning>

Global Online Academy website: <https://globalonlineacademy.org/>

Global Online Academy term dates and course catalogs:

<https://globalonlineacademy.org/student-program/student-courses>

CREATIVE ARTS
DANCE



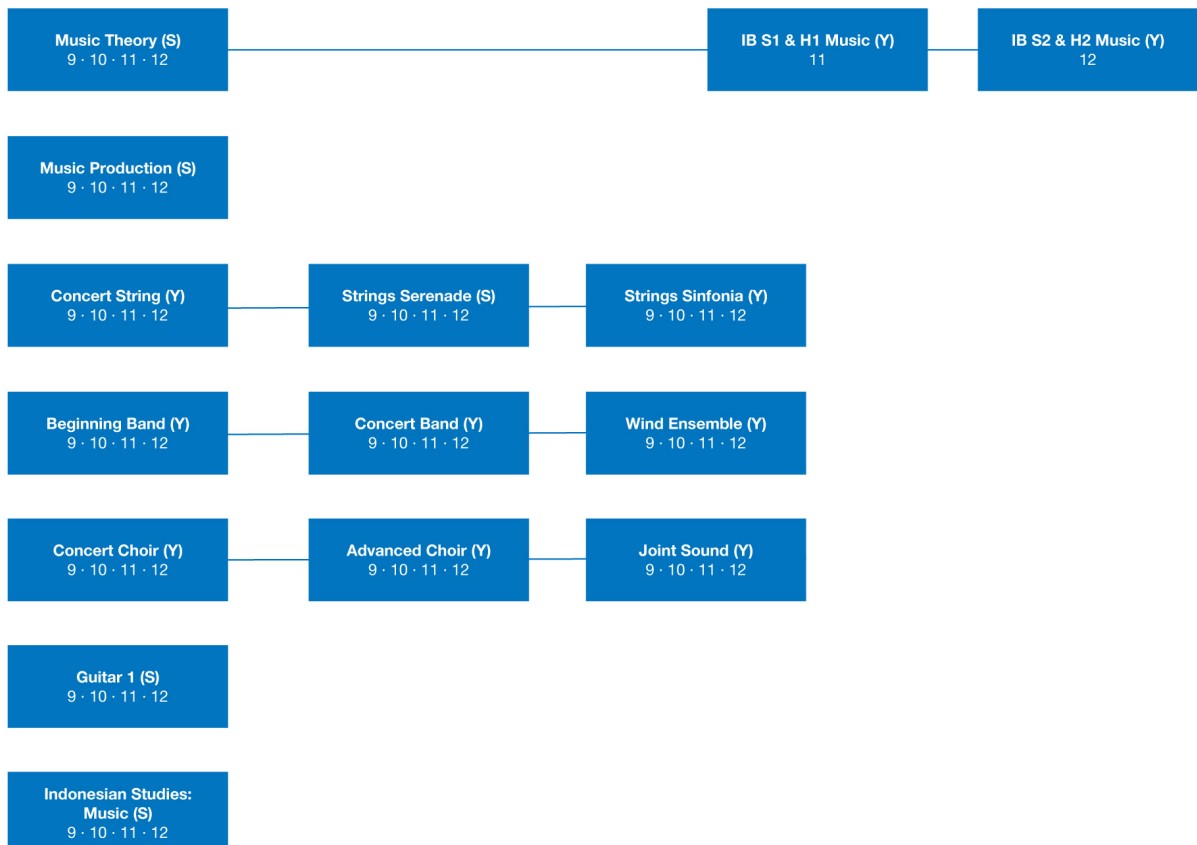
CREATIVE ARTS
FILM



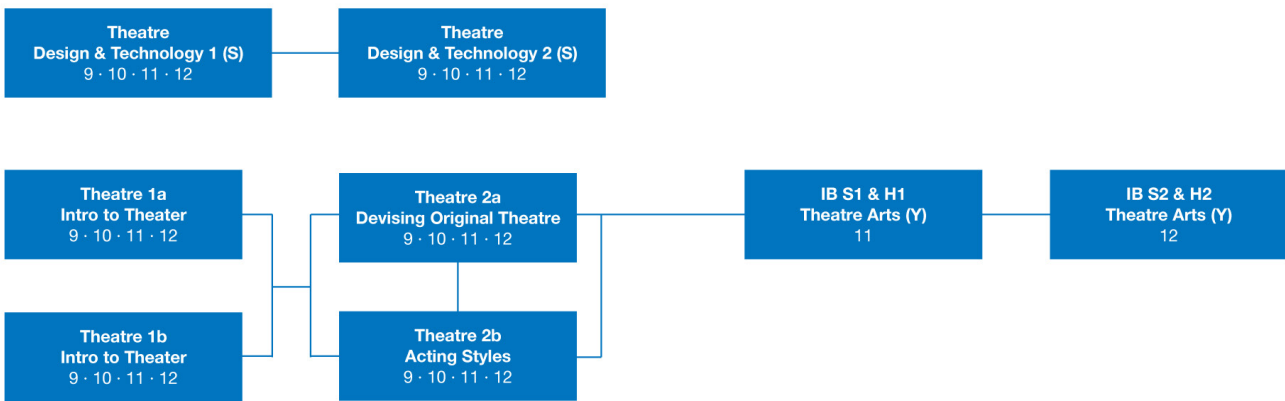
CREATIVE ARTS
ROBOTICS



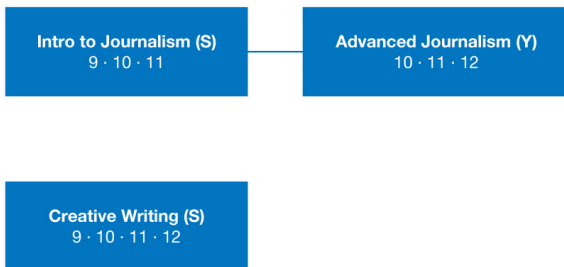
CREATIVE ARTS
MUSIC



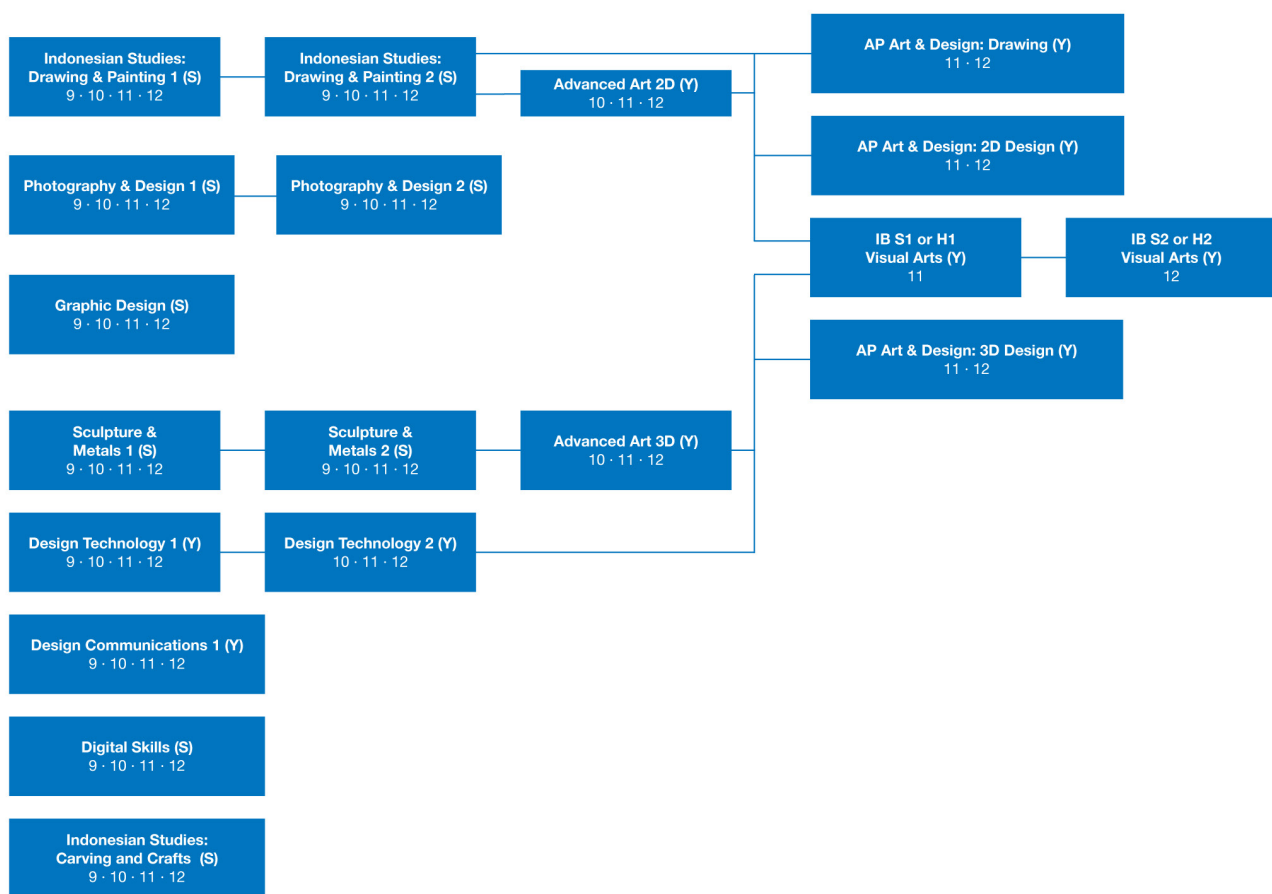
CREATIVE ARTS
THEATRE



CREATIVE ARTS
CREATIVE WRITING & PUBLICATION



CREATIVE ARTS
VISUAL ARTS



B. CREATIVE ARTS

CREATIVE WRITING AND PUBLICATION COURSES

The Creative Arts Department offers courses to enhance student creative writing skills and advanced publication understanding.

Creative Writing: Narrative (1625s)

May be repeated

One semester – 0.5 credit

Grades 9, 10, 11, 12

This semester course guides young writers to develop their voice through experimenting with a variety of prose and poetic styles through traditional exercises, modern prompts, and student-inspired ideas. Through it all, you will cultivate your writer's instinct through handwritten daily exercises and the revision process based on peer and instructor feedback. There will be many formative tasks and all summative assignments will draw from the formative ones, culminating in a self-designed writing project, whether it's a collection of poetry or short stories, an anthology of both, or even a full-length novel! This is a course for those who are fascinated with words and want to continue that journey.

Advanced Journalism (8384y)

May be repeated

One year - 1 credit

Grades 10, 11, 12

Prerequisite: Introduction to Journalism

Recommended: Creative Writing

After successful completion of Introduction to Journalism, students will join a team of fellow reporters, artists, and editors to collaboratively produce Feedback, the high school student magazine for the JIS community here and around the world. From reporting on campus events to local topics, highlighting global concerns and detailing popular interests, presenting opinion-editorials and compelling investigations—the forty-year-old publication has always been a magazine of students, by students, and for students. Working individually or in pairs, the team as a whole produces five issues per year through a demanding yet rewarding collaborative development process.

Introduction to Journalism (8344s)

One semester - 0.5 credit

Grades 9, 10, 11, 12

This course will introduce students to the field of journalism from text types to page layout and design. Instruction will include generating story ideas, developing interview questions, and establishing article structure along with other aspects such as supporting images and photographs using industry-standard software. The primary focus will be understanding and defining a specific purpose and audience for each piece. All coursework directly corresponds with sections of Feedback, the high school student magazine.

DANCE COURSES

The High School Dance Program offers three varying levels of performance and technique courses leading into International Baccalaureate (IB) Dance. Dance students planning to continue their postsecondary dance studies should complete the varying levels and IB Dance. Placement in the higher-level dance groups requires teacher's approval. Dance courses are elective, and all students are welcome to participate. Students wishing to participate in extra-curricular dance groups such as IASAS Dance, must be enrolled in a dance class. Students are expected to assume the cost of dance wear and costuming.

Dance 1: Dance Discovery (9310y)*One year – 1 credit**Grades 9, 10, 11, 12*

This course will develop student appreciation of dance as an art form and lifetime activity. Students will focus on building technical skills such as control, coordination, temporal clarity, and spatial awareness, as well as developing performance skills like expression and confidence. Designed to familiarize students with basic techniques in Hip Hop, Ballet, Musical Theatre and Tap, students will also study vocabulary and explore the historical contexts of each dance style. In each dance class, students will be expected to participate in warmups, across the floor progressions, choreography, and review. This course will have culminating performances as part of the Creative Arts Showcase and the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Students are also expected to contribute to the cost of purchasing costumes for public performances. Gaining movement skills and finding confidence and enjoyment through movement and performance are the focus of this class. No previous dance experience is necessary.

Dance 1: Dance Discovery Semester (93101s)*One semester – 0.5 credit**Grades 9, 10, 11, 12*

This course is the semester option of the Dance 1 year-long course. The purpose and goals of the course are the same as the year-long class, however units may differ based on which semester the course is taken. Students will focus on building technical skills such as control, coordination, temporal clarity, and spatial awareness, as well as developing performance skills like expression and confidence. If completed during semester one, Dance 1 Semester will have culminating performances as part of the Creative Arts Showcase or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Depending on the performance, students may also be expected to contribute to the cost of purchasing costumes for public performances. Gaining movement skills and finding confidence and enjoyment through movement and performance are the focus of this class. No previous dance experience is necessary.

Indonesian Studies: Dance (38872s) (MoE APPROVED)*One semester – 0.5 credit and 0.5 MoE Indonesian Studies Requirement Credit for Non-Indonesian Passport Holders**Grades 9, 10, 11, 12*

This active, one-semester elective course aims to develop the dance student's knowledge and appreciation of various Indonesian cultural dances and how they have influenced western

modern dance. This course allows students to use Indonesian dance traditions as a way to experience cultures, history, politics, religions, and aesthetics from various regions of the archipelago. Throughout the semester, students will explore different practices such as court dances from Java, sacred dances from Bali, and folk dances from Sumatra. This course will combine analysis (reading, writing, research, and class discussion) combined with the practical application (physical learning) of each dance form studied. This course will have culminating performances as part of the Creative Arts Showcase or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Involvement in this course may include travel outside of JIS to view live dance performances.

Dance 2 - Dance Design (9320s)*One semester - 0.5 credit**Grades 10, 11, 12*

This course is an introduction to dance composition. Students will explore the choreographic process and the basic tools used in choreography. Students will learn through improvisations, assignments, class discussions, and the completion of a final piece that will be presented at the end of the term. This course will have culminating performances as part of the Creative Arts Showcase and/or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Students are also expected to contribute to the cost of purchasing costumes for public performances.

Dance 3 - Dance Performance (9330s)*One semester - 0.5 credit**Grades 10, 11, 12**Prerequisite: Dance 2 - Dance Design or Dance Teacher's approval*

Dance 3 focuses on the history of modern dance and how performance and technique have evolved through the 20th century. The practical application of this course will focus primarily on the dance techniques of Lester Horton. This dance course will give students an understanding of the forerunners and pioneers of modern dance and the impact they've had on society. Students will take an in depth look at famous works from these innovators and will choreograph a piece that reflects the style and technique of one of these choreographers. Students will learn through class discussions, video performances, and the completion of a final piece that will be presented at the end of the term. This course will have culminating performances as part of the Creative Arts Showcase and/or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Students are also expected to contribute to the cost of purchasing costumes for public performances.

IB S1 Dance (9331y)*One year - 1 credit**Grade 11**Recommended: Minimum one completed Dance class or Dance Teacher's approval*

This is the first of a two-year International Baccalaureate Standard Level (IB S1) Dance course. The course is designed for dance students with an interest in dance performance and choreography, and it is strongly recommended that the student has had prior dance experience. The course consists of three main components: Composition and Analysis, which focuses on the making of dances and on identifying and analyzing the processes through which student dances are composed or arranged; World dance studies, where students, through dancing and classroom activities, will investigate dance cultures and/or traditions, both familiar and unfamiliar to them; and Dance Performance, requiring that students develop and demonstrate technical and performance skills while dancing in solo, duet or group work. This course will have culminating performances as part of the Creative Arts Showcase and/or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Students are also expected to contribute to the cost of purchasing costumes for public performances.

IB H1 Dance (9332y)*One year - 1 credit**Grade: 11**Recommended: Minimum one completed Dance class or Dance Teacher's approval*

This is the first of a two-year International Baccalaureate Higher Level (IB H1) Dance course. The course is designed for dance students with an invested interest in dance and it is very strongly recommended that the student has had prior dance experiences. The course consists of three main components: Composition and Analysis, which focuses on the making of dances and on identifying and analyzing the processes through which student dances are composed or arranged; World dance studies, where students, through dancing and classroom activities, will investigate dance cultures and/or traditions, both familiar and unfamiliar to them; and Dance Performance, requiring that students develop and demonstrate technical and performance skills while dancing in solo, duet or group work. This course will have culminating performances as part of the Creative Arts Showcase and/or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Students are also expected to contribute to the cost of purchasing costumes for public performances.

IB S2 Dance (9334y)*One year - 1 credit**Grade: 12**Prerequisite: IB S1 Dance*

This is the second year of a two-year International Baccalaureate Standard Level (IB S2) Dance course. Students will continue exploring and working to complete the examination requirements of the IB Dance course. Final compositions will be completed as well as written analyses based on the choreographic process. Familiar and unfamiliar dance cultures and/or traditions will continue to be explored while comparing and contrasting the historical contexts and dance elements of various dances. Performance and technical skills will also be refined through a number of formal and informal performances. This course will have culminating performances as part of the Creative Arts Showcase and/or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Students are also expected to contribute to the cost of purchasing costumes for public performances.

IB H2 Dance (9333y)*One year - 1 credit**Grade 12**Prerequisite: IB H1 Dance*

This is the second year of a two-year International Baccalaureate Higher Level (IB H2) Dance course. Students will continue exploring and working to complete the examination requirements of the IB Dance course. Both duet and group compositions will be completed as well as written analyses based on the choreographic process. Familiar and unfamiliar dance cultures and/or traditions will continue to be explored while comparing and contrasting the historical contexts and dance elements of various dances. Performance and technical skills will also be refined through a number of formal and informal performances. This course will have culminating performances as part of the Creative Arts Showcase and/or the Spring Dance concert. Attendance and participation is mandatory and will include some after school rehearsals prior to the performance. Students are also expected to contribute to the cost of purchasing costumes for public performances.

DIGITAL FILM COURSES

Digital Film courses are designed to ensure an enjoyable, progressively challenging, and differentiated art education for JIS students. While One-to-One laptops have infused the digital world into all JIS classrooms, Digital Film classes rely solely on the advanced technology hardware and software designed for creative purposes. Digital SLR cameras are provided for class use as well as off-campus checkout opportunities. Film students are not held responsible for supplying curricular equipment, but they are held accountable for lost or damaged equipment. Classroom iMacs will be provided or the appropriate software will be installed into the Digital Art student's MacBook Air

It is highly recommended that students wishing to enter the International Baccalaureate (IB) Film program have prior digital film experience working with Digital SLR cameras and film editing software. Prior digital film experience may have occurred within or outside the JIS Digital Film program.

Digital Film Production 1 (8193s)

*One semester -0.5 credit
Grades 9, 10, 11, 12*

This one-semester course serves as an introduction to the skills and techniques related to creating films. Students are given the opportunity to create original films using school provided cameras and state of the art non-linear editing software. This is a hands-on course where students experience all phases of film production including brainstorming, storyboarding, planning shooting schedules, filming, editing footage, adding special effects and voice-overs as well as final rendering of the film into multiple display formats.

Digital Film Production 2 (8194s)

*One semester -0.5 credit
Grades 9, 10, 11, 12
Prerequisite: Digital Media Production 1*

Building on the concepts and skills learned in Digital Film Production 1 students will work in teams to produce original films. Advanced post-production techniques will be explored with a focus on audio, script development, lighting and special effects. Films will focus on a variety of visual storytelling techniques including continuity editing, motif, montage and others to convey artistic intentions. This course is highly recommended for art students interested in IB Film.

IB S1 Film (9836y)

*One year - 1 credit
Grade 11
Recommended: Digital Film Production or Film Teacher's approval through Interview*

IB SL Film aims to “develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and through practical exercises in film production, the film course develops students’ critical abilities and their appreciation of artistic, cultural, historical and global perspectives in film. Students examine film concepts, theories, practices and ideas from multiple perspectives, challenging their own viewpoints and biases in order to understand and value those of others” (IB Film

Guide). This is the first year of a two-year course. The course is suitable for students with a passionate interest in film, and it is appropriate especially for students who wish to pursue any aspect of film at the college level or as a vocation. The course may be taken, however, by students who do not intend to continue with an art education after graduating, but are very enthusiastic about film and can provide sufficient evidence of previous skills and experience. The course follows the content and assessment procedures outlined in the IB Standard Level Film curriculum. During this course, students develop skills to produce a written analysis of a prescribed film, a recorded multimedia comparative study of selected films, and a written film portfolio with experimental film reels.

IB H1 Film (9838y)

*One year – 1 credit
Grade: 11
Recommended: Digital Film Production 2 or Film Teacher's approval through Interview*

IB HL Film aims to “develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and through practical exercises in film production, the film course develops students’ critical abilities and their appreciation of artistic, cultural, historical and global perspectives in film. Students examine film concepts, theories, practices and ideas from multiple perspectives, challenging their own viewpoints and biases in order to understand and value those of others” (IB Film Guide). This is the first year of a two-year course. The course is suitable for students with a passionate interest in film, and it is appropriate especially for students who wish to pursue any aspect of film at the college level or as a vocation. The course may be taken, however, by students who do not intend to continue with an art education after graduating, but are very enthusiastic about film and can provide sufficient evidence of previous skills and experience. The course follows the content and assessment procedures outlined in the IB Higher Level Film curriculum. During this course, students develop skills to produce a written analysis of a prescribed film, a recorded multimedia comparative study of selected films, a written

film portfolio with experimental film reels, and a collaborative film project of seven minutes with a written report.

IB S2 Film (9837y)

One year - 1 credit

Grade 12

Prerequisite: IB S1 Film

This is the second of the two-year International Baccalaureate Standard Level Film course where students are expected to build upon practical and research work done in the first year. Students will gain an appreciation and understanding of film as a complex art form, make critical evaluations of film productions, demonstrate their knowledge of filmmaking traditions in several countries, develop their abilities to formulate stories and ideas in film terms, and learn the practical and technical skills of production. During this second year of this course, students continue to develop skills to produce a written analysis of a prescribed film, a recorded multimedia comparative study of selected films, and a written film portfolio with experimental film reels.

IB H2 Film (9839y)

One year - 1 credit

Grade 12

Prerequisite: IB H1 Film

This is the second of the two-year International Baccalaureate Higher Level Film course students are expected to build upon practical and research work done in the first year. Students will gain an appreciation and understanding of film as a complex art form, make critical evaluations of film productions, demonstrate their knowledge of filmmaking traditions in several countries, develop their abilities to formulate stories and ideas in film terms, and learn the practical and technical skills of production. During this second year of this course, students continue to develop skills to produce a written analysis of a prescribed film, a recorded multimedia comparative study of selected films, a written film portfolio with experimental film reels, and a collaborative film project of seven minutes with a written report.

MUSIC COURSES

A wide range of opportunities are offered in music, including both performance and academic courses. The student who plans to continue his/her music studies in university should participate in at least one performance group each year of high school. Placement in a performance group generally requires an audition. Music courses are elective and all students are welcome to participate. Instrumental music students are encouraged to use their personal instrument or may rent a school instrument. Students in all music classes are required to perform in proper concert attire. Generally music classes are year-long and students are expected to make this commitment to the course. Students with class conflicts, for example full IB Diploma candidates, must discuss this with their counselor.

Students wishing to participate in extracurricular music groups such as; IASAS Music, Strings Chamber Music, Jazz Ensemble, etc must be enrolled in a JIS music class.

Concert Choir (9222y)

May be repeated

One year - 1 credit or Semester - 0.5 credit

Grades 9, 10, 11, 12

Concert choir is a performing group that is open to any high school student. The course is designed to introduce healthy singing techniques, basic music theory concepts, note reading, general knowledge of musical symbols and terminology. Students will also begin developing aesthetic and cultural values through critical listening. Students will sing a wide variety of music from various musical disciplines and genres to master performance skills and attain enhanced awareness of the history and events surrounding the development of choral literature. Concert choir performs several concerts each

year, on occasion featuring a performance of major choral works with orchestral accompaniment. This course may be repeated for credit. Attendance at all scheduled performances after school or on weekends is required. Students missing for any reason other than severe illness or death in the family will receive an NG in grade book which may negatively affect the semester grade average. Students must pay for their own costumes or uniforms.

Advanced Choir (9870y)

May be repeated

One year - 1 credit or Semester - 0.5 credit

Grades 9, 10, 11, 12

Prerequisite: Minimum one completed Choir class or Choir Teacher's approval through Audition

The course is designed to build upon the musical and performing skills acquired in the Concert Choir which include correct singing technique, music theory, concepts, note reading, and a more in-depth study of musical symbols and terminology, and advanced performance techniques and skills. In addition to class rehearsals some practice at home is required. The choir gives several concerts each year, on occasion featuring a performance of major choral works with orchestral accompaniment. This course may be repeated for credit. Attendance at all scheduled performances after school or on weekends is required. Students missing for any reason other than severe illness or death in the family will receive an NG in grade book which may negatively affect the semester grade average. Students must pay for their own costumes or uniforms.

Joint Sound (9230y)

May be repeated

One year – 1 credit or Semester – 0.5 credit

Grades 10, 11, 12

Prerequisite: Minimum one completed Choir class or Choir Teacher’s approval through Audition

Joint Sound is the most advanced and most demanding choral group at JIS and is devoted to the study and performance of A Cappella vocal literature. The course is designed to build upon the musical and performing skills acquired in the Concert or Advanced Choir which include correct singing technique, music theory, concepts, note reading, and a more in-depth study of musical symbols and terminology, and advanced performance techniques and skills. In addition to regular class rehearsal, students in the group are required to practice at home and attend all concerts and rehearsals held in the evenings after school or on weekends. Students missing concerts and dress rehearsals for any reason other than severe illness or death in the family may receive an NG in grade book which will negatively affect the semester grade average. Students must pay for their own costumes or uniforms.

Concert Strings (9240y)

May be repeated

One year - 1 credit or Semester 1 only - 0.5 credit

Grades 9, 10, 11, 12

Prerequisites: Prior string ensemble experience is expected and Instrumental Teacher’s approval through Audition

Concert Strings is a performing group open to students who have prior string ensemble experience and who have a sound knowledge of basic bowing and left-hand technique, including some third position. No audition is required. Members of Concert Strings will occasionally join other JIS High School instrumental ensembles in concert. Concert dress is required. With the exception of cellists and bassists students are encouraged to own their own instruments. Some instruments are available for rental. Attendance at all scheduled general rehearsals and performances are required.

String Sinfonia (9290y)

May be repeated

One year - 1 credit or Semester - 0.5 credit

Grades 9, 10, 11, 12

Prerequisite: Instrumental Teacher’s Approval through Audition

String Sinfonia is an advanced performing ensemble for strings open to all students in grade 9-12 upon instructor approval through audition. In addition to regular concert performances of classical string music, the Sinfonia may occasionally combine with other High School music ensembles to perform chamber or symphonic orchestral works. With the exception of cellists and bassists students are encouraged to own their own instruments. Some instruments are available for rental. Concert dress is required. Attendance at scheduled general rehearsals and performances is required. On rare occasions, the orchestra may be asked to perform off campus.

Beginning Band (9250y)

One year - 1 credit or Semester 1 only - 0.5 credit

Grades 9, 10, 11, 12

This class is designed for students who desire to learn an instrument for the first time, or who wish to learn to play a new or second instrument. Students with no prior musical experience are welcome as are students who have sung or previously played an instrument. Only instruments of the woodwind, brass and percussion families are taught in this class. The teacher reserves the right to limit the types and numbers of instruments offered in the above three families to ensure proper ensemble balance. At the end of one semester, and at the teacher’s discretion, students may then be allowed to move to a section of Concert Band or continue in Beginning Band. An instrument will be provided for each student in the Beginning Band. Unless waived by the teacher, students using school-owned instruments will be charged a nominal rental fee. Attendance at all Beginning Band performances is required.

Concert Band (9260y)

May be repeated

One year - 1 credit or Semester 1 only - 0.5 credit

Grades 9, 10, 11, 12

Prerequisite: Prior band ensemble experience is expected and Instrumental Teacher’s approval through Audition

Concert Band is open to all students in grades 9 - 12 with prior band experience. Students will perform Grade Level 2 - 3 band literature as well as learning and playing basic theory, including scales, modes, rhythms, etc. No audition is necessary, but it is expected that students applying have completed at least the equivalent of a Beginning Band class. At the very minimum, students are expected to be able to read music at a basic level. With the exception of large instruments, (examples: tuba, euphonium, bassoon, bass clarinet, baritone saxophone) students are encouraged to purchase their own instruments by the time they take this class. A limited number of

smaller instruments are available for rent. Attendance at all Concert Band performances is required.

Wind Ensemble (9270y)

May be repeated

One year - 1 credit or Semester - 0.5 credit

Grades 9, 10, 11, 12

Prerequisite: Instrumental Teacher's approval through Audition

Wind Ensemble is the top-level band at JIS and is only open to students in grades 9-12 through a required audition with the teacher. Wind Ensemble performs Grade Level 4-5 band literature. In addition, students will build on the basic theory learned in Concert Band by learning and working in all major, minor and chromatic scales; modes; chords and advanced rhythms. Attendance at all scheduled performances is required. With the possible exception of large instruments, (examples - tuba, euphonium, bassoon, bass clarinet, baritone saxophone) students are expected to purchase their own instruments.

Strings Serenade (92911s)

May be repeated

Semester - 0.5 credit

Grades 9, 10, 11, 12

Prerequisite: Instrumental Teacher's Approval through Audition

This semester course is designed to provide opportunities for growth as a string player within a string orchestra. The course is open to HS strings students who have a solid understanding and skill level of strings. The class is considered a middle-level course between the Concert Strings and Strings Sinfonia. Expectations, assessments and repertoire are planned according to expected skills level needed for this particular "intermediate" course. Students will study and perform a wide variety of classical and popular music. In addition, an emphasis is placed on individual instrumental performance and developing musicianship skills. As with all performing ensembles, home practice and concert performances are an expectation. Concert performances are part of the curriculum.

Guitar 1 (92912s)

May Not be Repeated

Semester - 0.5 credit

Grades 9, 10, 11, 12

This semester course is offered to all HS students who are interested in learning guitar. This class is for beginners and at the same time open for students who would like to improve their skills. By the end of the semester, students will be able to perform music and or songs at a beginner level in a pop, rock and/or classical style, often together with other students in a group (band). All students will have the opportunity to study and perform a wide variety of classical and popular music. In addition, an emphasis is placed on individual instrumental

performance and developing musicianship skills. As with all performing ensembles, home practice and concert performances are an expectation. Concert performances are part of the curriculum.

Music Production (9282s)

One semester - 0.5 credit

Grades 9,10, 11, 12

From building basic beats to adding loops and live instruments, students in music production will compose, record and produce their own original music, using software programs such as; Musescore, Garageband, Soundtrap.com, etc. Each student will finish the semester with original compositions or arrangements. No previous musical experience is required. Music Production provides a good foundation for student musicians considering IB Music. It is also a fun elective for creating music. Come and learn how to turn your musical ideas into reality!

Music Theory (9285s)

One semester - 0.5 credit

Grades 9, 10, 11, 12

Music Theory is designed for students who have an interest in understanding how music works. We will start with basic note reading and progress through scales and modes, harmony, form and composition. In addition we will work on music dictation (being able to write down what you hear). We will use various computer programs to help us learn. Also, students will have an opportunity to play instruments. Come to music theory to find out how the music you like is put together. No previous music theory experience is required. This course is highly recommended for for student musicians interested in IB Music.

Indonesian Studies: Music (38873s) (MoE APPROVED)

One semester - 0.5 credit as well as 0.5 MoE

Indonesian Studies Requirement Credit for Non-Indonesian Passport Holders

Grades 9, 10, 11, 12

This fun one-semester elective course aims to develop musicianship through exploration of Indonesian Folk music. This course allows students to learn Solfège, Chord Symbols as well as rhythm and melody exploration based on Indonesian Folk music from various regions of the archipelago. Throughout the semester, students will explore different and distinct music, such as Pelog and Selendro-influenced music from Java, lyrical music from Sulawesi, and short yet lively music from Sumatra, Kalimantan, and Papua. This course will combine basic numbered notation and chord reading combined with ensemble skills using traditional Indonesian instruments such as Kolintang, Angklung and or the Kendang. This course will have culminating performances as part of the Creative Arts Showcase or the Senior Farewell concert. Attendance and participation are mandatory and will include some

after-school rehearsals prior to the performance. Involvement in this course may include travel outside of JIS to experience and view live Angklung or Kolintang performances.

IB S1 Music (9881y)

One year – 1 credit

Grades 11

Recommended: Choir, Band, or Orchestra experience, Experience on an instrument or voice, Experience reading music notation suggested, and Instrumental Teacher's approval through Audition

This is the 1st year of a two-year International Baccalaureate Music course. IB SL Music involves an in-depth study of historical and cultural survey of the major style periods of western and non-western music. Students will study, listen to, analyze, perform, create, and write about a variety of music. The course will follow the IB curriculum. Aside from being a foundation for further study in music at university level the class will enrich the education of any student that has an interest in music but is pursuing other careers.

IB H1 Music (9886y)

One year – 1 credit

Grade: 11

Recommended: Choir, Band, or Orchestra experience, Experience on an instrument or voice, Experience reading music notation suggested, and Instrumental Teacher's approval through Audition

This is the 1st year of a two-year International Baccalaureate Music course. IB HL Music involves an in-depth study of historical and cultural survey of the major style periods of western and non-western music. Students will study, listen to, analyze, perform, create, and write about a variety of music. The course will follow the IB Music curriculum. Aside from being a strong foundation for further study in music at university level the class will

enrich the education of any student that has an interest in music but is pursuing other careers. IB HL Music students will have an extra assessment of composition and collaboration with other art disciplines in a real world setting.

IB S2 Music (9882y)

One year – 1 credit

Grade: 12

Prerequisite: IB S1 Music

This is the 2nd year of a two-year International Baccalaureate Music course. IB S2 Music will continue following the SL Music requirements involving an in-depth study of historical and cultural survey of the major style periods of western and non-western music. Students will study, listen to, analyze, perform, create, and write about a variety of music. Aside from being a foundation for further study in music at university level the class will enrich the education of any student that has an interest in music but is pursuing other careers.

IB H2 Music (9887y)

One year – 1 credit

Grade: 12

Prerequisite: IB H1 Music

This is the 2nd year of a two-year International Baccalaureate Music course. IB H2 Music will continue following the HL Music requirements involving an in-depth study of historical and cultural survey of the major style periods of western and non-western music. Students will study, listen to, analyze, perform, create, and write about a variety of music. Aside from being a foundation for further study in music at university level the class will enrich the education of any student that has an interest in music but is pursuing other careers. Higher level students will have an extra assessment of composition and collaboration with another arts discipline in a real world setting.

ROBOTICS COURSES

Welcome Industries in most of the civilized world have embraced robotic machine involvement. Robotic machines are capable of completing tasks beyond man's capabilities. How do robotic machines function? How can a robotic machine be programmed to perform physical tasks? How are robotic machines designed to assist or disrupt the production of another? These are three of the many questions which students will evaluate, challenge, and respond. JIS Robotics Technology courses are designed to ensure an enjoyable, progressively challenging, and differentiated learning experience.

Robotics Technology 1 (8491s)*One Semester - 0.5 credit**Grades 9, 10, 11, 12*

In this hands-on course, students will research, design, build and program robots using the VEX robotics kits. Working in teams, students will explore a series of projects designed to help each student understand the basic concepts of robotics: Sense, Plan, and Act. Every unit will culminate in an exciting challenge such as the soccer bot and sumobot, putting both robot and human to the test. In addition we will explore how robots are used in modern society and for scientific research. Robotics: more fun than humans should be allowed to have.

Robotics Technology 2 (8492s)*One Semester - 0.5 credit**Grades 9, 10, 11, 12**Prerequisite: Introduction to VEX Robotics AND/OR Teacher Approval*

Using the concepts and techniques learned in Introduction to VEX Robotics, students will design, engineer, and code a robot to compete in the parameters of the annual VEX challenge. Programming will include a deeper look into variables and control systems. More complex robotics systems will be explored.

**Students will have the opportunity to travel as a competitive team to international competitions. Travel is not mandatory but encouraged and will have a separate financial expense at the student's cost.*

THEATRE COURSES

The High School Theatre program is designed to provide a flexible and exciting program allowing students to maximize the opportunity to study theatre throughout their four years. Each of the theatre courses is designed to support young theatremakers interested in International Baccalaureate Theatre Studies.

Theatre 1a - Intro to Theatre (95403s)*One semester - 0.5 credit**Grades 9, 10, 11, 12*

In this course, students will be introduced to many different aspects of theatre, with a focus on the fundamentals of acting and performance. Students will explore a variety of approaches to performance, including improvisation, mask work, physical theatre, monologue and scene study. Students will demonstrate their learning in a public performance of a one-act play. While it is preferred that students complete Theatre 1a and Theatre 1b, students may take Theatre 1b without completing Theatre 1a during semester one.

Theatre 1b - Intro to Theatre (95404s)*One semester - 0.5 credit**Grades 9, 10, 11, 12*

In this course, students will build upon skills introduced in Theatre 1a. In this course, students will continue to engage with many different aspects of theatre and performance and will be introduced to different theatre and performance traditions including Physical Theatre and Devising, British Panto, and Children's Theatre, as well as world performance traditions such as Indonesian Topeng Dance Theatre. Students will demonstrate their learning in a public performance of a one-act play. While it is preferred that students complete Theatre 1a and Theatre 1b, students may take Theatre 1b without completing Theatre 1a during semester one.

Theatre 2a - Devising Original Theatre (9570s)*One semester - 0.5 credit**Grades 10, 11, 12**Prerequisite: Theatre 1a - Intro to Theatre or Theatre 1b - Intro to Theatre*

Students work in small and full-class ensembles to collaborate, devise, rehearse and perform original pieces of theatre. Students will research a variety of theatre practices and companies that create original work in order to devise their own original pieces of Physical Theatre, Verbatim Theatre, Immersive and Site-Specific work. In this course, students will learn to create, rehearse, and perform works of Physical Theatre, Verbatim Theatre, Immersive, and Site-Specific Theatre for a live audience. This course is highly recommended for students wishing to take IB H1 Theatre Arts.

Theatre 2b - Acting Styles (95402s)*One semester - 0.5 credit**Grades 10, 11, 12**Prerequisite: Theatre 1a - Intro to Theatre or Theatre 1b - Intro to Theatre*

How could the flick of a fan create outrage in 1670? What was the proper way to doff a hat or greet a host in the 1800s? In this advanced acting course, students will explore specific acting styles in conjunction with the historical life and times that formed those styles. Students will perform scenes from three different genres and styles of classical (western) theatre. The

work in this class will couple the technique-oriented and physical aspects of portraying a character from Elizabethan Theatre, Restoration and Comedy of Manners, and Realism (Chekhov and Ibsen), with constant attention to the basics that unite all acting -- character analysis and intention playing. This course is highly recommended for students wishing to take IB H1 Theatre Arts.

Theatre Design and Technology 1 (98610s)

One semester - 0.5 credit

Grades 9, 10, 11, 12

Ready to create your unique vision on stage Designers? Students will be introduced to theatrical design (set, lighting, sound, costumes and makeup - if time allows) through theoretical and practical applications in the form of 4 - 5 large projects based on a singular script. Through script analysis students will get to the heart of the play and with research find their individual perspective and vision for productions, costumes, scenery, sound and lighting design.. Students will also learn the important skill of collaboration by working together in small teams on a grand final project that includes all aspects of the design process and creative elements needed to produce a scaled in depth model. All work will be documented, collected and graded in a Digital Design Portfolio and in class notebooks to assist in any future college portfolio applications.

Theatre Design and Technology 2 (98612s)

One year - 0,5 credit

Grades 9, 10, 11, 12

Prerequisite: Theatre Design and Technology 1

Theatre Design and Technology 2 builds upon the skills learned in Theatre Design and Technology 1 concepts in set, lighting, sound, costumes are explored in greater detail with the opportunity to create design work for several JIS productions throughout the semester. This course also provides students with opportunities to pursue particular areas of interest within technical theatre by assisting with after school concerts and performances as a designer or Stage Manager. Due to the nature of the course, working on a JIS FAT, Jitayu or Mulati production is essential to student learning through hands-on experiences, which cannot be achieved in the classroom, therefore each student is required to assist on a tech crew for at least one performance event within the semester.

IB S1 Theatre Arts (9845y)

One year - 1 credit

Grade 11

Recommended: Minimum one completed Theatre class or Theatre Teacher's approval through Audition

This is the first of a two-year International Baccalaureate Standard Level Theatre course. The IB Diploma Program Theatre course is a multifaceted theatre-making course of study. It gives students the opportunity to make theatre as creators,

designers, directors, and performers. It emphasizes the importance of working both individually and collaboratively as part of an ensemble. It offers the opportunity to engage actively in the creative process, transforming ideas into action as inquisitive and productive artists. Students experience the course from contrasting artistic perspectives. They learn to apply research and theory to inform and to contextualize their work. Theatre arts encourages students to appreciate that through the processes of researching, creating, preparing, presenting and critically reflecting on theatre as participants and audience members they gain a richer understanding of themselves, their community and the world. Throughout IB SL Theatre Arts, students will complete a mock exam for each of the four IB Theatre assessments: The Research Presentation, The Collaborative Project, The Director's Notebook and the Solo Theatre Performance.

IB H1 Theatre Arts (9850y)

One year - 1 credit

Grade 11

Recommended: Minimum one completed Theatre class or Theatre Teacher's approval through Audition

This is the first year of a two-year International Baccalaureate Higher Level (IB HL) Theatre Arts course. The IB Diploma Program Theatre course is a multifaceted theatre-making course of study. It gives students the opportunity to make theatre as creators, designers, directors, and performers. It emphasizes the importance of working both individually and collaboratively as part of an ensemble. It offers the opportunity to engage actively in the creative process, transforming ideas into action as inquisitive and productive artists. Students will experience the course from contrasting artistic perspectives, and will learn to apply research and theory to inform and to contextualize their work. Theatre arts encourages students to appreciate that through the processes of researching, creating, preparing, presenting and critically reflecting on theatre as participants and audience members they gain a richer understanding of themselves, their community and the world. Throughout IB HL Theatre Arts, students will complete a mock exam for each of the four IB Theatre assessments: The Research Presentation, The Collaborative Project, The Production Proposal and the Solo Theatre Performance.

IB S2 Theatre Arts (9846y)

One year - 1 credit

Grade 12

Prerequisite: IB S1 Theatre Arts

IB S2 Theatre Arts builds upon learning, performance techniques and theatre processes introduced in IB S1 and focuses on completing the three IB Theater SL assessments. In the Research Presentation students undertake practical and physical research into an unfamiliar world tradition and present their findings. For the Production Proposal, students adopt a directorial perspective and to develop the concept and staging of a

published script. It includes written work, scenarios, images, storyboards and any other materials that convey the essence of the proposed performance. Finally, the Collaborative Project gives voice to the students as young theatre makers in creating an original piece of theatre.

IB H2 Theatre Arts (9860y)

One year - 1 credit

Grade 12

Prerequisite: IB H1 Theatre Arts

IB H2 Theatre Arts builds upon learning, performance techniques and theatre processes introduced in IB H1 and focuses on completing the four IB Theater assessments. In the Research

Presentation students undertake practical and physical research into an unfamiliar world tradition and present their findings. For the Production Proposal, students adopt a directorial perspective and to develop the concept and staging of a published script. It includes written work, scenarios, images, storyboards and any other materials that convey the essence of the proposed performance. The Solo Performance is an individual performance based on the theory of an established, published practitioner. Finally, the Collaborative Project gives voice to the students as young theatre makers in creating an original piece of theatre.

VISUAL ARTS COURSES

The JIS Visual Arts Program is designed to ensure an enjoyable, progressively challenging, and differentiated art education for all high school students. Building upon artistic learning at the middle school level, high school visual arts courses will gradually become more intensive while strengthening and developing the art student's artistic foundation. While an abundance of materials, tools and equipment are available, art students choosing to use materials above and beyond the provided general supplies will be expected to either provide or pay appropriate costs.

Photography and Design classes rely solely on advanced technology hardware and software designed for creative purposes. Digital SLR cameras are provided for class use as well as off-campus checkout opportunities. Students are not held responsible for supplying curricular equipment, but they are held accountable for lost or damaged equipment. The appropriate software will be installed into the student's MacBook Air.

Before chooses International Baccalaureate (IB) Visual Arts and / or Advanced Placement (AP) Art & Design, it is highly recommended art students complete a minimum of three (3) semesters of JIS high school visual art classes while earning top grades in every art classes. Art students interested in IB Visual Arts and / or AP Art & Design should prepare a portfolio of accomplished work completed during the past three years. The portfolio is to be shared with a JIS high school visual arts teacher for evaluation to ensure appropriate course placement. If clarification is needed, a meeting will be arranged by the art teacher.

Indonesian Studies: Drawing and Painting 1 (38874s) (MoE APPROVED)

One semester - 0.5 credit and 0.5 MoE Indonesian Studies Requirement Credit for Non-Indonesian Passport Holders

Grades: 9, 10, 11, 12

This fun one-semester elective course aims to develop the art student's drawing and painting techniques through direct connections and influences with Indonesian Culture. Within a curriculum emphasizing Indonesian drawing, batik, and painting techniques, art students will work from direct observation, images, and imagination. Visual arts techniques and concepts are developed while developing a learned and stronger understanding

of the elements of art and principles of design. Connections to historically valued and contemporary Indonesian artists will strengthen the student's holistic understanding of our host country. Where appropriate in the course, students will incorporate technology into their approach. A visual journal will be created for documenting his or her Indonesian Studies journey from initial design ideas to the completion of final Indonesian inspired artworks.

Indonesian Studies: Drawing and Painting 2 (38875s) (MoE APPROVED)

One semester - 0.5 credit and 0.5 MoE Indonesian Studies Requirement Credit for Non-Indonesian Passport Holders

Grades: 9, 10, 11, 12

Prerequisite: Indonesian Studies: Art and Culture 1

This advancing fun one-semester elective course aims to develop the art student's drawing and painting techniques through direct connections and influences with Indonesian Culture. Within a curriculum emphasizing Indonesian drawing, batik, and painting techniques, art students will work from direct observation, images, and imagination. Visual arts techniques and concepts are developed while developing a learned and stronger understanding of the elements of art and principles of design. Increased understanding of historically valued and contemporary Indonesian artists begun in Indonesian Studies: Art and Culture 1 will strengthen the student's holistic understanding of our host country. Where appropriate in the course, students will incorporate technology into their approach. A visual journal will be created for documenting his or her Indonesian Studies journey from initial design ideas to the completion of final Indonesian inspired artworks. This course is highly recommended for art students interested in AP Art & Design: Drawing, AP Art & Design: 2D Design, and IB Visual Arts.

Photography and Design 1 (96411s)

One semester - 0.5 credit

Grades 9, 10, 11, 12

In this course, students learn how to use a DSLR (Digital Single-Lens Reflex) camera, compose images using the elements of art, adjust camera settings in manual mode, and edit photographs using the Adobe Lightroom software. Nikon DSLR cameras and Adobe Creative Suite software licenses are available for all the students enrolled in the course. The course begins with an introduction to photography with DSLR cameras and then moves to photographic composition techniques. Students explore the use of the elements of art in photography and how they can be used to convey different messages, meanings, and ideas while taking photographs. Then, camera manual settings are explained, starting with the Aperture and understanding the concept of depth of field and focal lengths in photography. Shutter speed and ISO are presented in the last unit of the course, and students are given the opportunity to explore a variety of techniques to create different types of images. The Adobe Lightroom software is used to organize, edit, and export photographs for assessment submissions throughout the course.

Photography and Design 2 (96412s)

One semester - 0.5 credit

Grades 9, 10, 11, 12

Prerequisite: Photography and Design 1

This visual art course is designed to provide photography students with the opportunity to build upon the knowledge and experience gained from the Photography and Design 1 class. Students taking this course are assumed to have taken the Photography & Design 1 course. In this course, students further their understanding of the artistic possibilities of

photography using DSLR cameras (digital single-lens reflex). Image composition techniques will be reviewed while learning about other artistic photography applications, such as pinhole cameras, cyanotypes, and stencils. Advanced techniques will then be presented to introduce students to the art of capturing portraits, the use of shadows and reflections, and the digital combination of images to create photographic composites. At the end of the semester, students engage in a personal photographic project in which they can contemplate and reflect on a concept through collections of individual photographs. The Adobe Creative Suite software Lightroom and Photoshop are required for this course, and licenses are provided to all the students enrolled. The goal of this course is to build a strong digital arts foundation for those students interested in pursuing AP Studio Art: 2D Design or IB Visual Arts.

Indonesian Studies: Carving and Crafts (3889s) (MoE APPROVED)

One semester - 0.5 credit and 0.5 MoE Indonesian Studies Requirement Credit for Non-Indonesian Passport Holders

Grades: 9, 10, 11, 12

This exciting one-semester elective course aims to develop the student's appreciation and awareness of a variety of Indonesia's ancient and contemporary Cultures and the crafts those cultures create. Students will learn about traditional myths, motifs and techniques for incorporating those motifs into wooden objects. Students will learn to apply the design cycle and use different technologies like laser cutters, 3D modeling software and different power tools to make their own wooden creations. As students learn different woodworking and carving techniques, they will further develop their ability to analyze cultural works from the Indonesian Archipelago in terms of the elements of art and principles of design.

Sculpture and Metals 1 (96511s)

One semester - 0.5 credit

Grades: 9, 10, 11, 12

This fun one-semester elective course specializes in the design and production of 3D (three-dimensional) artworks. Final artworks will include traditional sculpture, ceramic, and jewelry formats. The mediums utilized in this course includes, but are in no way limited to; clay, wire, metals, natural materials, styrofoam, found objects, wood, etc. Creative assignments are designed to enhance the art students' understanding and use of the elements of art and principles of design. A visual journal documents the learning of the students in his or her journey towards the initial ideas for the completion of final artworks.

Sculpture and Metals 2 (96512s)

One semester - 0.5 credit

Grades: 9, 10, 11, 12

Prerequisite: Sculpture and Metals 1

This advancing fun one-semester elective course specializes in the design and production of 3D (three-dimensional) artworks. Techniques and styles learned in Sculpture and Metals 1 are utilized in this advanced level course and will incorporate mediums including, but are in no way limited to; clay, wire, metals, natural materials, styrofoam, found objects, wood, etc. Creative assignments are designed to enhance the student's understanding and use of the elements of art and principles of design. Where appropriate in the course, art students will incorporate technology into their approach. A visual journal documents the student's journey towards the initial ideas for the completion of final artworks. This course is highly recommended for art students interested in AP Art & Design: 3D Design.

Design Communication 1 (9415y)

One year - 1 credit
Grades 9, 10, 11, 12

This is a study of visual communication in both two and three dimensions, promoting ideas and information through Digital Media. Following the design process, students will be taught to use a wide range of Graphic Design methods and modeling to achieve their final outcomes. Examples of student experiences are; 2D Graphic Design projects using industry standard software, 3D Graphic Design projects using industry standard software, Architectural modeling, color rendering, package design and layout, scale modeling, and promotional displays.

Graphic Design (84801s)

One semester - 0.5 credit
Grades 9, 10, 11, 12

This semester course allows students to use the Adobe Creative Suite applications to create both bitmap and vector graphics. Using this industry standard software, students create digital artwork that is suitable for stand-alone presentations or for use within web designs, print media or other digital designs. The class will take students from the basics of digital creation to create interesting and informative compositions. The course includes a mixture of instructor-led activities and independent learning with culmination projects of the student's designs for a given brief. Prior experience in the software is not expected and the only prerequisite for the course is a willingness to explore and create.

Design Skills (94351s)

One semester - 0.5 credit
Grades 9, 10, 11, 12

This fun and engaging semester course specializes in developing skills involving one-point and two-point perspective drawing criteria applied to personally chosen concepts in lieu of the traditional perspective drawings of buildings and city scenes. Students will utilize physical design tools and traditional mediums to compose black-line

perspective drawings prior to colorizing unique designs. For colorizing students will learn proper use of colored pencil, professional marking pens, and digital software options. Creative assignments are designed to enhance the art students' understanding and use of the elements of art and principles of design. To conclude all projects, students will complete a thorough reflection focused on clearly depicting personal strengths and weaknesses while ensuring subject appropriate vocabulary is included.

Design Technology 1 (9430y)

One year - 1 credit
Grades 9, 10, 11, 12

Design Technology 1 requires students to determine needs or problems in their environment, analyze and evaluate existing products and systems, and suggest their own alternative solutions to perceived needs. Students develop their ideas graphically, using CAD software or pencil drawings, then plan how to manufacture their solution including selecting appropriate materials and techniques. Depending on the project, students may produce a prototype or model using the latest available equipment and technology as used in Industry, before making a full sized piece. Students will pursue the design process as practiced by professional designers. Design Technology 1 concentrates on projects that can be made mostly using wood, MDF or plastics. There is an emphasis on learning techniques of wood joinery and becoming skilled in the use of traditional hand or powered tools found in a wood shop.

Design Technology 2 (9435y)

One year - 1 credit
Grades 10, 11, 12
Prerequisite: Design Technology 1

This course is a continuation of Design Technology I and will follow the same course structure; to develop projects utilizing more advanced manufacturing techniques and a greater knowledge of materials and equipment. Design Technology 2 focuses on projects utilizing predominantly metals, metalworking engineering techniques and equipment. Students will also be encouraged to develop projects that tie together woodworking techniques from Design Technology 1 and metals. All course projects can be developed on an incline of difficulty/complexity and will be continually assessed. This course is intended for students interested in Engineering, Architecture or Graphic Design, and if an "A" average is earned, it may be accepted as a course leading to the IB H1 Visual Art or AP Art & Design: 3D Design courses. Upon teacher recommendation, this course may be taken for a second time.

Advanced Art 2D (96602y)*Grades 10, 11, 12**One year - 1 credit or Semester 1 only - 0.5 credit
Indonesian Studies: Drawing & Painting 2 and
Photography & Design 2 or Visual Arts Teacher's
approval through Interview and Portfolio Review*

This full-year course is designed for serious art and design students who plan to take AP Art and Design: Drawing, AP Art and Design: 2D Design, or IB Visual Art. Throughout the year assistance and direction will be given towards preparing for one of the mentioned college level art courses. Research and Studio Work in the areas of drawing, painting, collage, illustration, and digital art will be required. Students are expected to keep a visual journal filled with experiences, discoveries, and ideas to be submitted for assessment purposes alongside his or her created Studio Work. The underlying intention in either of the Advanced Art 2D courses is to encourage students to reach beyond previous learning and experience new combinations of techniques while building a strong Advanced Art 2D portfolio of artworks.

Advanced Art 3D (96603s)*Grades 10, 11, 12**One year - 1 credit or Semester 1 only - 0.5 credit
Recommended: Sculpture and Metals 2 and Design
Tech 1 or Visual Arts Teacher's approval through
Interview and Portfolio Review*

This full-year visual arts course concentrates on 3D (three-dimensional) sculpture and ceramics. This course is for the serious art student planning to complete the highest level art courses; AP Art & Design: 3D Design or IB Visual Arts. Throughout the year assistance and direction will be given towards preparing for one of the mentioned college level art courses. Research and Studio Work in the area of subtractive and additive sculpture using materials such as clay, metal, wood, wire, foam, found objects, etc. will be required. Students keep a visual art journal filled with experiences, discoveries, and ideas for assessment purposes alongside his or her created Studio Work. The underlying intention in either of the Advanced Art 3D courses is to encourage students to reach beyond previous learning and experience new combinations of techniques while building a strong Advanced Art 3D portfolio of artworks.

AP Art & Design: Drawing (98254y)*One year - 1 credit**Grades 11, 12**Highly Recommended: Indonesian Studies: Drawing
& Painting 2, Advanced Art 2D, and Visual Arts
Teacher's approval through Interview and Portfolio
Review*

AP Art and Design: Drawing is a fast paced course culminating in a portfolio of eleven to thirteen artworks, completed in eight months. It is of utmost importance that an incoming AP Drawing art student has completed two or three high school art classes and has a foundation of knowledge pertaining to the 'The Elements of Art and Principles of Design.'

The portfolio of artworks, and the documentation of each work's creation, is called the Sustained Investigation. All artworks will be visually connected encompassing a student-chosen theme or topic. The creation process involving every artwork will be thoroughly documented and assessed along with each submitted artwork. The course focuses on "traditional" approaches to drawing and painting.

An AP Art student will be expected to solve creative problems utilizing 'The Elements of Art and Principles of Design.' AP Art students will use a range of conceptual approaches while demonstrating outstanding technical skills in a variety of mediums involving traditional and contemporary approaches to art-making. All AP Drawing artworks are self-composed with a focus on challenging the young artist's ability to strive beyond her/his comfort zone. Through abstract, observational and inventive compositions AP Art students will address a wide range of approaches illustrating individually developed mastery (i.e., "college-level") in concept, composition, and execution in use of medium and tools. Due to the number of required externally examined uploads, the fast paced program requires diligence in production during every class and will most likely require a significant amount of work completed outside of class.

While every artwork along with associated documentation will be assessed throughout the year, the outcome involves uploading 15 Sustained Investigation images along with 5 selected exemplar works to AP Central for external evaluation and scoring by an AP Visual Arts Reader. The course is equivalent to a first-year college art class and AP Art students are expected to challenge themselves to develop mastery in their ideas, skills, and abilities.

AP Art & Design: 2D Design (98255y)*One year - 1 credit**Grades 11, 12**Highly Recommended: Photography and Design 2,
Advanced Art 2D, and Visual Arts Teacher's approval
through Interview and Portfolio Review*

AP Art and Design: 2D Design is a fast paced course culminating in eleven to thirteen artworks and/or products completed in eight months. It is of utmost importance that an incoming AP 2D Design art student has completed two or three high school art classes and has a foundation of knowledge pertaining to the 'The Elements of Art and Principles of Design.'

The portfolio of artworks and/or products and the documentation of each work's creation, is called the Sustained Investigation. All artworks and/or products will be visually connected encompassing a student-chosen theme or topic. The creation process involving every 2D Design submitted outcome will be thoroughly documented and assessed along with each submitted artwork and/or product. The course focuses on two-dimensional applications including areas of graphic design, digital art, photography, collage, and printmaking.

An AP 2D Design art student will be expected to solve creative problems utilizing 'The Elements of Art and

Principles of Design.’ An AP 2D Design art student will use a range of conceptual approaches while demonstrating outstanding technical skills in a variety of mediums involving contemporary approaches to art-making. All AP 2D Design concepts are self-composed with a focus on challenging the young designer’s ability to strive beyond her/his comfort zone. Through abstract, observational and inventive compositions an AP 2D Design art student will address a wide range of approaches illustrating individually developed mastery (i.e., “college-level”) in concept, composition, and execution in use of medium and tools. Due to the number of required externally examined uploads, the fast paced program requires diligence in production during every class and will most likely require a significant amount of work completed outside of class.

While every artwork and/or product along with associated documentation will be assessed throughout the year, the outcome involves 15 uploads and 5 selected exemplar works submitted to AP Central for external evaluation and scoring by an AP Visual Arts Reader. The course is equivalent to a first-year college art class and an AP 2D Design art student is expected to challenge themselves to develop mastery in their ideas, skills, and abilities.

AP Art & Design: 3D Design (98256y)

One year - 1 credit

Grades 11, 12

Highly Recommended: Sculpture and Metals 2, Advanced Art 3D, Design Technology 2, and Visual Arts Teacher’s approval through Interview and Portfolio Review

AP Art and Design: 3D Design is a fast paced course culminating in ten to twelve 3D Forms completed in eight months. It is of utmost importance that an incoming AP 3D Design art student has completed two or three high school art classes and has a foundation of knowledge pertaining to the ‘The Elements of Art and Principles of Design.’

The portfolio of 3D Forms and the documentation of each work’s creation, is called the Sustained Investigation. All 3D Forms will be visually connected encompassing a student-chosen theme or topic. The creation process involving every submitted 3D Design Form will be thoroughly documented and assessed along with each submitted form sculpture. The course focuses on three-dimensional applications in use of space (height, width, and depth) in unique and systematic investigation of formal and conceptual adaptations involving creative use of negative space.

An AP 3D Design art student will be expected to solve creative problems utilizing ‘The Elements of Art and Principles of Design.’ An AP 3D Design art student will use a range of conceptual approaches while demonstrating outstanding technical skills in a variety of mediums involving contemporary approaches to manipulating negative space in a physical product. All AP 3D Design concepts are self-composed with a focus on challenging the young designer’s ability to strive beyond her/his comfort zone. Through abstract, observational and inventive compositions An AP 3D Design art student will address a wide range of approaches illustrating individually developed mastery

(i.e., “college-level”) in concept, composition, and execution in use of medium and tools. Due to the number of required externally examined uploads, the fast paced program requires diligence in production during every class and will most likely require a significant amount of work completed outside of class.

While every 3D Form along with associated documentation will be assessed throughout the year, the outcome involves 15 uploads and 5 selected exemplar works submitted to AP Central for external evaluation and scoring by an AP Visual Arts Reader. The course is equivalent to a first-year college art class and an AP 3D Design art student is expected to challenge themselves to develop mastery in their ideas, skills, and abilities.

IB S1 Visual Arts (9811y)

One year - 1 credit

Grade 11

Recommended: Indonesian Studies: Drawing and Painting 2, Photography and Design 1, Advanced Art 2D, and Visual Arts Teacher’s approval through Interview and Portfolio Review

This is the first of a two-year International Baccalaureate Standard Level (SL) Visual Arts course. It is of utmost importance that every incoming IB S1 Visual Arts student has completed two or three high school art classes and has a strong foundation of knowledge pertaining to the ‘The Elements of Art and Principles of Design.’

IB SL Visual Art is designed for a student interested in the visual arts, but not focused on pursuing visual arts at the college or university level. The course consists of three main components: Comparative Study, Process Portfolio, and Exhibition. The Comparative Study involves an extensive amount of written documentation involving deep dive analysis of three professional artworks while connecting historically prominent art movements within an array of genres. During the second semester 2-3 Exhibition artworks will be completed. The creation of every Exhibition artwork will be documented in detail. An IB S1 Visual Art student will explore an array of mediums and tools in various techniques ranging from fine art, digital art, and sculpture. Each student will be challenged to develop mastery in her/his ideas, skills, and artistic abilities. To begin IB S2 Visual Arts, the artwork documentation will be utilized to begin the 18 screen Process Portfolio. IB SL Visual Arts students are assessed from the perspective of a first-year junior college art class.

IB H1 Visual Arts (9820y)

One year - 1 credit

Grade 11

Highly Recommended: Indonesian Studies: Drawing and Painting 2, Photography and Design 2, Sculpture and Metals 2, Advanced Art 2D, and Visual Arts Teacher’s approval through Interview and Portfolio Review

This is the first of a two-year International Baccalaureate Higher Level Visual Arts course. IB HL Visual Arts is designed for art students with a keen interest in visual art and interested in furthering his or

her artistic learning at the college or university level. It is of utmost importance that every incoming IB H1 Visual Arts student has completed multiple high school art classes and has a strong foundation of knowledge pertaining to the 'The Elements of Art and Principles of Design.'

The course consists of three main components: Comparative Study, Process Portfolio, and Exhibition. The Comparative Study involves an extensive amount of written documentation involving deep dive analysis of three professional artworks while connecting historically prominent art movements within an array of genres. IB H1 Visual Art students also complete and document their own art-making in response to the three professional artworks.

During the second semester 3-4 Exhibition artworks will be completed. The creation of every Exhibition artwork will be documented in detail. An IB H1 Visual Art student will explore an array of mediums and tools in various techniques ranging from fine art, digital art, and sculpture. Each student will be challenged to develop mastery in her/his ideas, skills, and artistic abilities. To begin IB H2 Visual Arts, the artwork documentation will be utilized to begin the 25 screen Process Portfolio. IB HL Visual Arts students are assessed from the perspective of a first-year top-rated university or art college program.

IB S2 Visual Arts (9810y)

One year - 1 credit

Grade 12

Prerequisite: IB S1 Visual Arts

In the second of the two-year International Baccalaureate Standard Level Visual Art course students are expected to build upon practical and research work completed during the first year. An IB S2 Visual Arts student is expected to become more independent, self-motivated, self-critical while

intently focused on developing a portfolio of Exhibition artworks visually connected encompassing a self-chosen theme or topic. The 18 screen Process Portfolio will continue developing while the IB S2 Visual Arts student continues developing a thought-provoking and visually stimulating Exhibition portfolio.

Near the conclusion of year-two, an IB Standard Level art student will design and display her/his Exhibition showcasing 6-7 artworks and accompanying Curatorial Rationale. To conclude the course digital copies of the Comparative Study, Process Portfolio, Exhibition photographs, and Curatorial Rationale will be uploaded to IBO and externally examined.

IB H2 Visual Arts (9830y)

One year - 1 credit

Grade 12

Prerequisite: IB H1 Visual Arts

In the second of the two-year International Baccalaureate Higher Level Visual Art course students are expected to build upon practical and research work completed during the first year. An IB H2 Visual Arts student is expected to become more independent, self-motivated, self-critical while intently focused on developing a portfolio of Exhibition artworks visually connected encompassing a self-chosen theme or topic. The 25 screen Process Portfolio will continue developing while the IB H2 Visual Arts student continues developing a thought-provoking and visually stimulating Exhibition portfolio.

Near the conclusion of year-two, an IB Higher Level art student will design and display her/his Exhibition showcasing 10-11 artworks and accompanying Curatorial Rationale. To conclude the course digital copies of the Comparative Study, Process Portfolio, Exhibition photographs, and Curatorial Rationale will be uploaded to IBO and externally examined.

C. ELECTIVES

These courses do not gain credit in a particular *subject* area, but credits gained do count towards graduation requirements.

Social Ethics for Social Justice (44415)

One semester – 0.5 Elective credit, Pass/Fail
Grades 10, 11, 12

This innovative and exciting semester course aims to take students to the heart of social justice issues confronting the world today. Beginning by exploring the issues underpinning individual identities and global society, the course involves students in deep reflection, working constructively with others and taking practical and positive action to be best for the world. This is a course for people who want to create and lead constructive change both within themselves, our community, and beyond. Over the semester, students will build community and create a common language while developing their research skills. These skills will then transfer to a deeper understanding of individuals and society. Finally, students will apply their learning analytically and creatively.

Adventure Education (75031s)

One semester - 0.5 credit, Pass/Fail
Grades 11, 12
Prerequisite: 2 credits of PE

In this course, students learn personal and interpersonal skills transferable to many real life situations. Experiential learning through climbing, kayaking, biking and orienteering will challenge students to acquire group management and decision making skills and apply the knowledge of leadership theory, to the area of adventure leadership. Self-awareness and developing sound leadership judgement will be emphasized. Interdisciplinary learning drawn from physical education, health and survival practices (CPR and First Aid), critical thinking, decision-making, conflict resolution, as well as reflection and problem solving make Adventure Education a powerful learning opportunity.

Independent Living (7502s)

Semester One - Gr 11 & 12 Semester Two - ONLY Gr. 11 (Due to the scheduling of Mock and Final Exams for 12th graders)

One semester - 0.5 credit,
Pass/Fail Grades 11, 12 - priority given to seniors

This fun, hands on course is for Grade 11 and 12 students to learn the basic survival skills for an independent life after JIS. Many new practical skills will be acquired such as car and home maintenance, healthy cooking, budgeting and interview skills. The underlying goal is to help students with transition skills that would be required for healthy happy independent life, away from home.

Self Defense and Mixed Martial Arts (7520s)

One semester - 0.5 credit, Pass/Fail
Grades 11, 12
Prerequisite: 2 credits of PE

This pass/fail course is designed to expose grade 11 and 12 students to a variety of Self Defense and Mixed Martial Arts type techniques and strategies in a fun and non-threatening environment. It will combine various elements of Boxing, Muay Thai, Brazilian Jiu Jitsu and Grappling (wrestling) and students will develop skills, understand personal defense and improve their athletic training. Students will learn self defense principles and develop strategies on how to be safe and be aware of potential dangers in their surroundings.

Independent Fitness (7501s)

(Previously PT 2 and Power Fit)
One semester - 0.5 credit, Pass/Fail
Grades 11, 12
Prerequisite: 2 credits of PE

This pass/fail course provides students an opportunity to regularly engage in a strength and conditioning program throughout the semester. Students will be able to pursue their personal interests and passions in fitness through daily workouts and increase their personal wellness by adding balance to their lives. Emphasis will be placed on safe, functional, multi joint exercises as students learn to develop and implement their own exercise program. This course is designed for all levels of fitness, strength, and experience in the weight room. The end goal is that students become competent at a wide range of exercises and use of gym equipment so that they gain a sense of confidence and autonomy in any weight room setting.

Yoga and Wellness (7396s)

One semester - 0.5 credit, Pass/Fail
Grades 11, 12
Prerequisite: 2 credits of PE

This class is designed to help you explore mindfulness in your own life, through Yoga, breathing, meditation, and other stress-relieving activities. The goal of the course is to improve your overall wellness, by helping balance your body, mind and spirit. This is an introductory course, therefore no prior experience or exposure is required.

Teacher Aide (2600s)

One semester – 0.5 credit Pass/Fail

Grades 11, 12

Prerequisite: counselor approval/teacher recommendation.

This elective provides students with an opportunity to work with a JIS faculty member in a variety of settings. The nature of the work is determined by the supervising teacher but typically the work falls into one of, or a combination of, three broad categories: classroom aide (involves working with students in a classroom environment); clerical aide (assisting with tasks like word processing, filing, scanning, bulletin board maintenance); research/technology/subject aide (help in the library, assist in Theater classes, demonstrate software, analyse data, gather web resources). Students are given the opportunity to choose which kind of work they would like to do, but this choice is contingent on teacher demand. Aides are evaluated by their supervising teachers on a bi-weekly basis and their performance is measured against 4 criteria: demeanor, punctuality, use of assigned time and quality of work.

Independent Study I

One semester - 0.5 credit

Grades 11,12

Prerequisite: None, students will need the dispositions to work independently

This foundation course has been designed for learners to study a topic area of their choosing. The course is process orientated and there are a variety of possible outcome pathways depending on student interests and choice of investigation. It is particularly appropriate for students who wish to apply their other studies in order to explore a real-world situation either in Indonesia or more globally. Students will develop their general project management skills and in particular, the ability to plan, manage the research process, work to deadlines and reflect critically upon their work. While elective credit is awarded upon successful completion of this course, in certain circumstances students may apply for credit awarded to a specific department depending on the area of the investigation. Suitably in-depth study topics on an aspect of Modern Indonesia can count for the MoE Indonesian Studies requirement if no other Indonesian Studies options fit into the student's schedule. Students wishing to undertake this option should contact the Vice Principal of Curriculum and Learning with their topic for approval.

Independent Study II

One semester - 0.5 credit

Grades 11,12

Prerequisite: None, students will need the dispositions to work independently. There is no need to have completed the foundation course before undertaking the core course.

This core course has been designed for learners to study a topic area of their choice in greater depth. The

course is process orientated and there are a variety of possible outcome pathways depending on student interests and choice of investigation. It is particularly appropriate for students who wish to apply their other studies in order to explore a real-world situation either in Indonesia or more globally. Students will develop their general project management skills and in particular, the ability to plan, manage the research process, work to deadlines and reflect critically upon their work. While elective credit is awarded upon successful completion of this course, in certain circumstances students may apply for credit awarded to a specific department depending on the area of the investigation. Suitably in-depth study topics on an aspect of Modern Indonesia can count for the MoE Indonesian Studies requirement if no other Indonesian Studies options fit into the student's schedule. Students wishing to undertake this option should contact the Vice Principal of Curriculum and Learning with their topic for approval.

Independent Study III

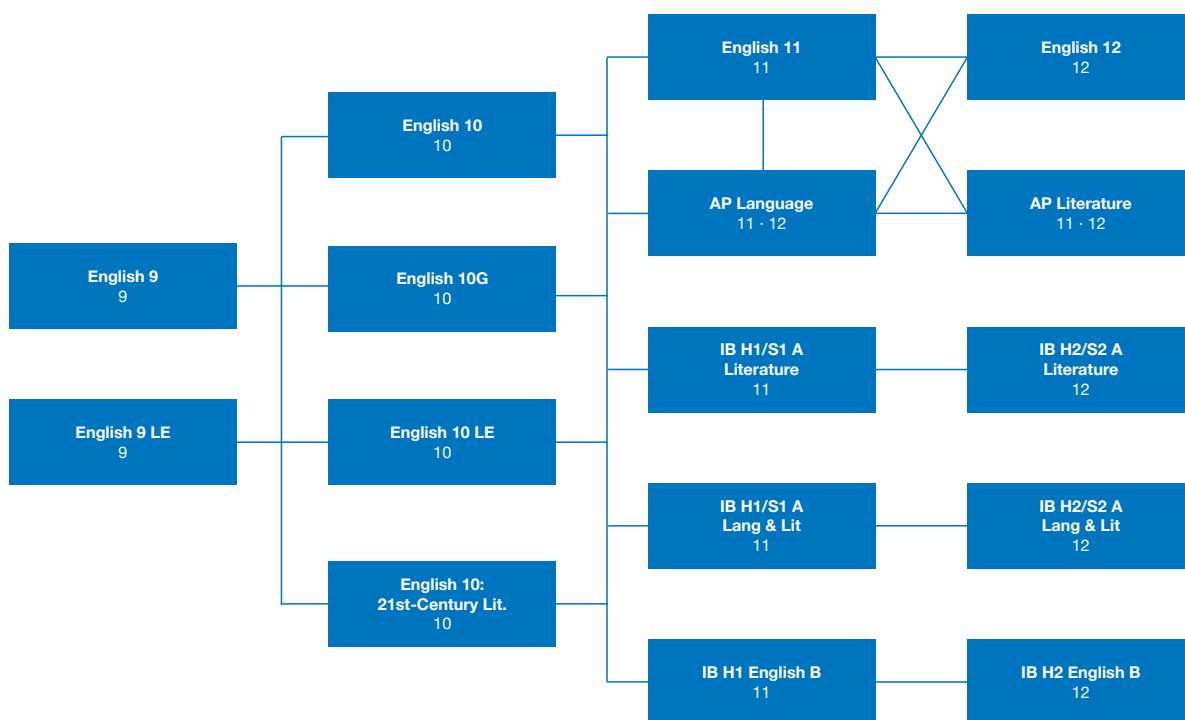
One year - 1.0 credit

Grades 11,12

Prerequisite: None, students will need the dispositions to work independently. There is no need to have completed the core course before undertaking the extension course.

This extension course has been designed for learners to study a topic area of their choosing in great depth over an academic year. This demanding course is process orientated and should be seen as equivalent to a year of study at International Baccalaureate or Advanced Placement level. The Independent Investigation Extension is particularly appropriate for students who wish to apply their other studies in order to explore a real-world situation either in Indonesia or more globally. Students will develop their general research management skills and in particular, the ability to plan, manage the research process, work to deadlines and reflect critically upon their work. While elective credit is awarded upon successful completion of this course, in certain circumstances students may apply for credit awarded to a specific department depending on the area of the investigation. Suitably in-depth study topics on an aspect of Modern Indonesia can count for the MoE Indonesian Studies requirement if no other Indonesian Studies course fits. Students wishing to undertake this option should contact the Vice Principal of Curriculum and Learning with their topic for approval.

ENGLISH



D. ENGLISH

The English Department believes that every student should know how to think, listen, write and speak clearly, read with understanding and appreciation, analyze what they read and see, and be exposed to some of the best examples of written and visual texts.

English 9 (1151y)

One year - 1 credit

Grade 9

Prerequisite: English 8

This course offers a balanced language arts experience. It focuses upon the development and refinement of reading, writing, oral communication and the beginnings of media literacy. The students widen their understanding and appreciation of a variety of texts through participating in a range of activities. A built in independent reading program endeavours to strengthen students' reading through goal setting, reflection and conferencing.

English 9 LE (1201y)

(Also see same course description in E. English Language and Learning Support Classes)

One year - 2 credits (this class meets every day)

Prerequisite: 8th-grade teacher recommendation

English 9 LE mirrors as closely as practicable the content covered in English 9 (see above) and serves the same preparatory function. The chief distinction between LE courses and their non-LE counterparts is that English reading, writing, speaking, and listening proficiency is developed simultaneously

alongside knowledge of course content. An independent reading program endeavours to strengthen students' reading through goal setting, reflection and conferencing.

English 10 (1251y)

One year - 1 credit

Grade 10

Prerequisite: English 9 or English 9LE.

In this course students focus on the genres of poetry, drama, the novel and nonfiction. They study a variety of composition skills, writing both formally and informally. Emphasis is placed upon growth of reading, writing and speaking with an understanding of the conventions of various text types and media. An independent reading program endeavours to strengthen students' reading through goal setting, reflection and conferencing.

English 10G (1254y)

Science Fiction & Gothic Horror

One year - 1 credit

Grade 10

Prerequisite: English 9 or English 9LE.

Through the study of science fiction in the first semester and gothic horror in the second semester, Grade 10 students will acquire and refine the very same academic skills in the regular English 10 class. Each semester will feature an introduction to the genre and a study of other texts, including a full-length novel. Science fiction imagines our humanity in possible scenarios while gothic horror showcases how fear confirms our existence. Both genres are testaments to the necessity of imagination in our realities. A built-in independent reading program endeavours to strengthen students' reading through goal setting, reflection and conferencing.

English 10G (12521y)

Comedy & Dystopia

One year – 1 credit

Grade 10

Prerequisite: English 9 or English 9LE.

Focusing on the genres of comedy and dystopian literature, Grade 10 students will acquire and refine the very same academic skills as they do in the regular English 10 class. The course will feature introductions to these two specific genres and analyses of a number of text types, including short stories, poetry, modern drama, non-fiction works, and a full-length novel. Both comedy and dystopia explore how our preferences may differ, but how some of our ideals are the same. An independent reading program endeavours to strengthen students' reading through goal setting, reflection and conferencing.

English 10 (12522y)

21st Century Literature

One year – 1 credit

Grade 10

Prerequisite: English 9 or English 9LE.

This course will focus predominantly on key texts published in the 21st century, dealing with issues that will help students become future-ready thinkers. For the short fiction unit, the students will read short stories curated from the O'Henry prize list, recognizing the most intriguing American short fiction for the year. The novel will likewise be a 21st-century piece linked to social justice themes in the world students live in today. The non-fiction unit will examine current events, giving students the opportunity to discuss issues of importance that arise in the news throughout the school year. The independent reading program will focus on four modern themes throughout the year; students are encouraged to select a book of their choice that relates to the theme for the quarter.

English 10 LE (1301y)

Also see same course description in E. English Language and Learning Support Classes

One year – 1 credit

Grade 10

Prerequisite: successful completion of English 9 LE and teacher recommendation or qualifying scores on Admissions criteria.

English 10 LE mirrors as closely as practicable the content covered in English 10 (see above) and serves the same preparatory function. The chief distinction between LE courses and their non-LE counterparts is English reading, writing, speaking and listening proficiency is developed simultaneously with knowledge of course content. A built-in independent reading program endeavours to strengthen students' reading through goal setting, reflection and conferencing.

English 11 (1351y)

One year – 1 credit

Grade 11

Prerequisite: English 10, English 10G or English 10LE.

This course provides the foundation for skills that students need to go on to senior-level courses in AP Literature and Composition or AP Language and Composition or English 12. By reading a variety of texts – fiction, non-fiction, and poetry – students extend their vocabulary and increase their understanding of how writers use language and literary techniques to communicate their ideas. Through various types of writing, students develop stylistic maturity and the ability to organize ideas in clear, coherent, and persuasive language.

IB H1 English A Literature: (1816y)

One year – 1 credit

Grade 11

Prerequisite: English 10, English 10G or English 10 LE

A rich and challenging two-year course, this offering is designed for those with a passion for literature. Through different perspectives of culture and context, students will refine their critical thinking, close reading, writing, speaking and listening skills, while engaged in the exploration and enjoyment of the nature of literature, the aesthetic function of literary language and the relationship between text and the world and themselves. Students will study 13 texts (over the two years) that encompass a range of exciting literary genres from different cultures and periods - including poetry, novels, drama, essays, graphic novels and non-fiction, with the goal of developing an understanding of the factors that contribute to the production and reception of literature. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meaning is negotiated by the reader.

The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB S1 English A Literature: (1812y)*One year – 1 credit**Grade 11**Prerequisite: English 10, English 10G or English 10 LE*

Through different perspectives of culture and context, students will refine their critical thinking, close reading, writing, speaking and listening skills, while engaged in the exploration and enjoyment of the nature of literature, the aesthetic function of literary language and the relationship between text and the world and themselves. Students will study 9 texts (over the two years) that encompass a range of exciting literary genres from different cultures and periods - including poetry, novels, drama, essays, graphic novels and non-fiction, with the goal of developing an understanding of the factors that contribute to the production and reception of literature. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meaning is negotiated by the reader.

The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H1 English A Language and Literature (1826y)*First year – 1 credit**Grade 11**Prerequisite: English 10, English 10G or English 10 LE*

This rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB S1 English A Language and Literature (1827y)*First year – 1 credit**Grades 11**Prerequisite: English 10, English 10G or English 10 LE*

This course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H1 English B (1820y)*One year – 1 credit**Grade 11**Prerequisite: successful completion of English 10 LE or teacher recommendation.*

The first of a two-year sequence, this course is designed for the non-native English speaker whose language skills require further enhancement to meet the challenges of university studies or a future career. These interactive listening, speaking, reading and writing skills are developed through the study of a wide range of text types and media resources. The literature of the course reflects the current expectations of the English B Higher Level examination. Students enrolled in this course will be expected to participate in a class service and community project, and take the IB examination at the end of Year 2.

AP Language and Composition (1830y)*One year – 1 credit**Grades 11, 12**Prerequisite: English 10, English 10G or English 11*

In this course, students read a variety of texts and garner information from different mediums of communication including non-fiction from different time periods, news-writing, literature, Internet sites, as well as television stories and advertising. Through active class discussion and debate, they dissect and analyze the strategies that authors, reporters, graphic designers, advertisers, and artists employ to sway their audiences. Students of AP Language and Composition also learn how to respond to texts and information through well thought-out arguments produced in both timed and untimed writing assignments. Although they read some fictional material to enhance close reading skills and develop voice, the majority of texts will be nonfiction. At the end of this course students will be expected to take the AP Language and Composition examination. AP Language and Composition is open to all juniors and seniors who have the support of their English 10 / English 11 teacher.

English 12 (1356y)*One year – 1 credit**Grade 12**Prerequisite: English 11*

English 12 is designed to prepare students for the rigors of college-level English through the continued development of critical reading, writing and speaking skills. Because English 12 does not culminate in an externally assessed exam, students and teacher have the latitude to explore a wider variety of genres and cultures with respect to the reading and writing covered.

IB H2 English A Literature (1836y)*One year – 1 credit**Grade 12**Prerequisite: IB H1 English Literature*

The second of a two-year sequence, this is a continuation of the first year course. Focus remains on different perspectives of culture and context, students will refine their critical thinking, close reading, writing, speaking and listening skills, while engaged in the exploration and enjoyment of the nature of literature, the aesthetic function of literary language and the relationship between text and the world and themselves. Students will study 13 texts (over the two years) that encompass a range of exciting literary genres from different cultures and periods - including poetry, novels, drama, essays, graphic novels and non-fiction, with the goal of developing an understanding of the factors that contribute to the production and reception of literature. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meaning is negotiated by the reader. Ongoing opportunities to refine written skills in preparation for the IB A1 Higher exam in English.

Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB S2 English A Literature (1837y)*One year – 1 credit**Grade 12**Prerequisite: IB S1 English Literature.*

The second of a two-year sequence, this is a continuation of the IB S1 English Literature course. Through different perspectives of culture and context, students will refine their critical thinking, close reading, writing, speaking and listening skills, while engaged in the exploration and enjoyment of the nature of literature, the aesthetic function of literary language and the relationship between text and the world and themselves. Students will study 9 texts (over the two years) that encompass a range of exciting literary genres from different cultures and periods - including poetry, novels, drama, essays, graphic novels and non-fiction, with the goal of developing an understanding of the factors that contribute to the production and reception of literature. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meaning is negotiated by the reader.

Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H2 English A Language and Literature (1838y)*Second year – 1 credit**Grade 12**Prerequisite: IB H1 Language and Literature*

The second of a two-year sequence, this rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB S2 English A Language and Literature (1839y)*Second year – 1 credit**Grade 12**Prerequisite: IB S1 English A Language and Literature*

The second of a two-year sequence, this course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H2 English B (1845y)*One year – 1 credit**Grade 12**Prerequisite: successful completion of IB H1 English B or teacher recommendation.*

This is the second year of the IB English B Higher Level program. In both years, the course aims to develop students' interactive listening, speaking, reading and writing skills, both formal and informal registers, as well as the ability to assess subtleties of language in a wide variety of forms and styles. The literature of the course reflects the current expectations of the English B Higher Level

examination. Students enrolled in this course will be expected to participate in a class service and community project, and take the IB examination at the end of the year.

AP Literature and Composition (1843y)

One year - 1 credit

Grade 12

Prerequisite: AP Language and Composition or English 11

Seniors passionate about literature will discover in this course texts from various genres, periods, and cultures--all sure to challenge their logic, creativity, insight, and technical skills. Designed for students intending to sit for the AP Literature and Composition examination, the course takes seriously its test-preparation purposes. But the general objectives of the course go beyond this short-term goal to enable students independently to analyze how literature works and to write effectively about their findings and to synthesize treatments of specific themes in a variety of works. Students will be expected to take the AP Literature and Composition examination at the end of this course. AP Literature and Composition is open to all seniors who have the support of their grade 11 English teacher (AP Language and Composition or English 11).

E. ENGLISH LANGUAGE & LEARNING SUPPORT CLASSES

The Language Enhanced Program (LE Program) in English:

Courses are designed to meet the language needs of intermediate/high-intermediate English language learners. LE courses, which follow the same curricula as the corresponding regular versions of the courses, emphasize academic language development as a means to making subject content accessible. The LE courses are available to students who have achieved qualifying scores on a variety of Admissions criteria. Because the LE courses mirror the content in the regular versions of the courses, students are able to move easily from the LE program into the regular program in accordance with their learning progress. In Grade 9, students take two LE courses, Social Studies 9 LE and English 9 LE as well as Academic English 9; for students in the Grade 10 LE program, the required courses are English 10 LE and Academic English 10. In Grades 11 and 12 English B is available for eligible students.

English 9 LE (1201y)

Also see relevant course description in [English department section](#)

One year - 1 credit

Prerequisite: 8th-grade teacher recommendation or qualifying scores on Admissions criteria.

English 9 LE mirrors as closely as practicable the content covered in English 9 ([see relevant course description in the English Department section](#)) and serves the same preparatory function. The chief distinction between LE courses and their non-LE counterparts is that English reading, writing, speaking and listening proficiency is developed simultaneously alongside knowledge of course content.

Social Studies 9 LE (4152y)

One year - 1 credit

Prerequisite: 8th-grade teacher recommendation or qualifying scores on Admissions criteria.

Social Studies 9LE mirrors as closely as practicable the content covered in Social Studies 9 ([see relevant course description in the Social Studies Department section](#)) and serves the same

preparatory function. The chief distinction between LE courses and their non-LE counterparts is that English reading, writing, speaking and listening proficiency is developed simultaneously alongside knowledge of course content.

The remaining credits may be chosen from other departments/subject offerings and include a mathematics course dependent on ability.

English 10 LE (1301y)

(Also see relevant course description in [English department section](#))

One year – 1 credit

Grade 10

Prerequisite: successful completion of English 9 LE and teacher recommendation or qualifying scores on Admissions criteria.

English 10 LE mirrors as closely as practicable the content covered in English 10 and serves the same preparatory function. The chief distinction between LE courses and their non-LE counterparts is English reading, writing, speaking and listening proficiency is developed simultaneously with knowledge of course content.

English Support

Academic English 9 (2212y and 22121s)

Academic English 10 (2213y and 22131s)

Academic English 11-12 (2218y and 22181s)

One semester – 0.5 elective credit

One year – 1 elective credit

Grades 9, 10, 11, 12

Prerequisite: none or as determined by Admissions or the EAL coordinator.

Academic English is a course designed to support all students with speaking, listening, reading and writing

assessments from core content areas. The class operates partially in a tutorial/workshop mode and partially as an academic class with skill development and graded assignments. Students work on core subject assignments; they set goals and make plans to improve their language skills, using these assignments as a vehicle for growth. Additionally, class time will be spent developing specific oral, reading and writing skills that are integral to academic success. Some students may be assigned to the class while others may self-select the course. Students may take this course as often as they wish; an elective credit is granted upon completion.

Learning Support

Learning Strategies 9 (2206y and 22061s)

Learning Strategies 10 (2207y and 22071s)

One semester - 0.5 elective credit

One year - 1 elective credit

Learning Strategies 11-12

(2208y and 22081s)

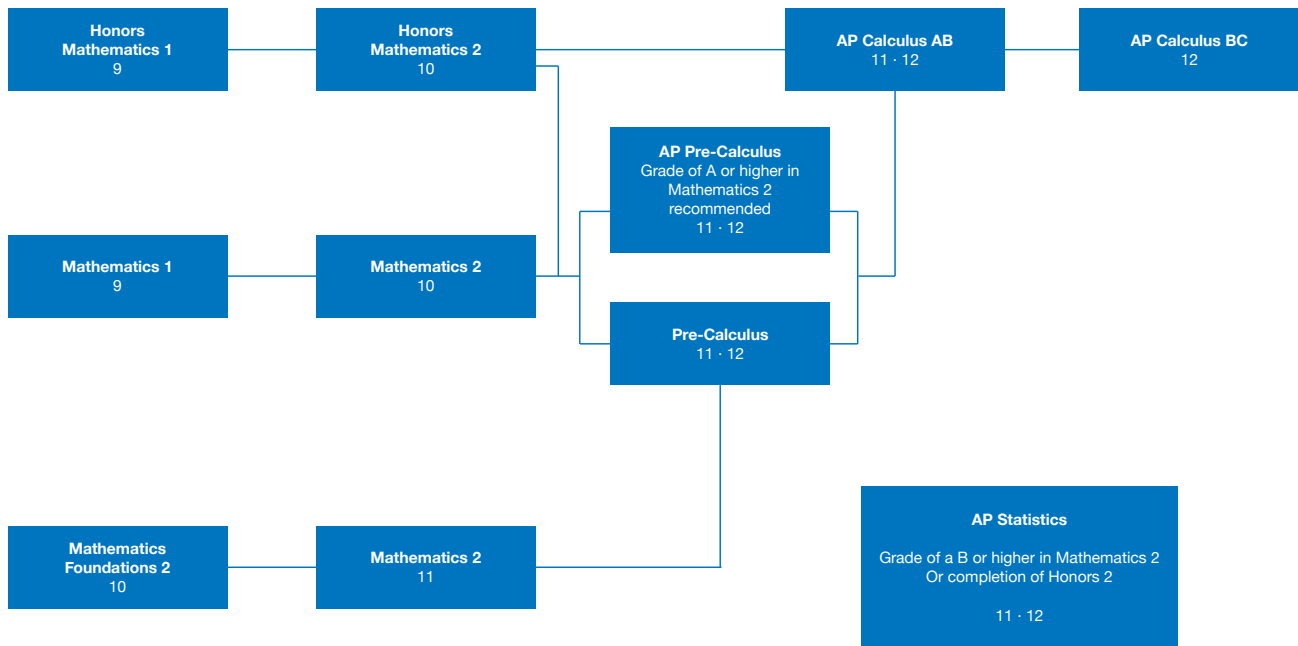
One semester - 0 credits

One year - 0 credits

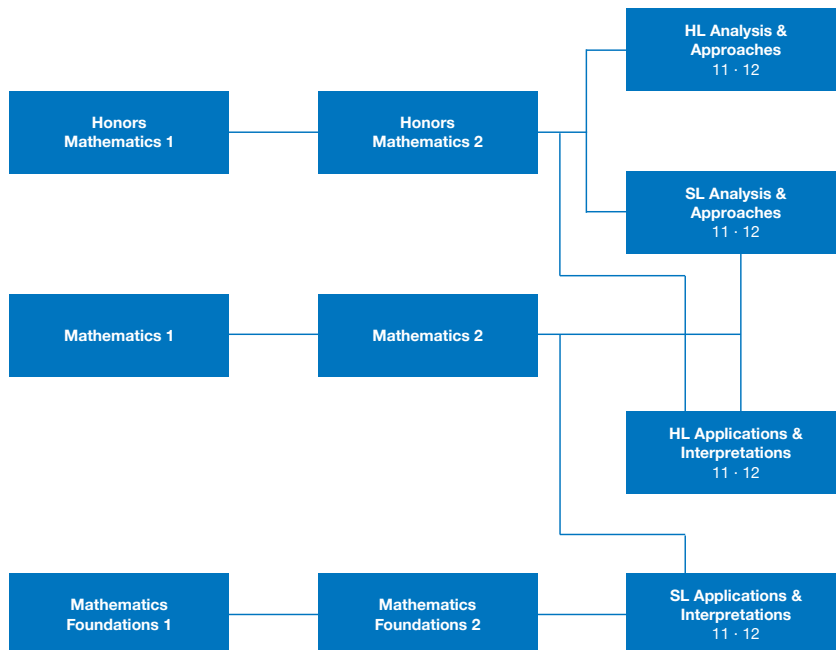
Prerequisite: Only students who qualify for this course may enroll

This course is designed to help students understand themselves as learners and grow as self-advocates and independent learners. Students explore their strengths and challenges as a learner, set goals for improvement, and share their plan with their teachers. The Learning Support Specialist works with students individually or in small groups with a focus on organization, time management, reading, writing, math and related study skills. In addition to providing individual skill instruction, this course predominantly supports success in the academic subject areas.

MATHEMATICS AP



MATHEMATICS IB



F. MATHEMATICS

The JIS mathematics program will provide every student developmentally appropriate challenges to allow them to build deep understanding of mathematical ideas.

Important note: All courses require a graphing display calculator; the TI-Nspire CX or TI-Nspire CX II is recommended and can be purchased from the JIS Business Office.

Grade 9 Courses

Mathematics Foundations 1 (5141y)

One year – 1 credit

Grades 9

Prerequisite: Teacher Recommendation

The purpose of this course is to shore up the foundations of students' mathematical understandings to allow them to build up to IB SL Applications and Interpretation beginning in year 11. Topics in this course include: number sense (factors, negative numbers, and fractions); patterns and algebra; linear functions; measurement (perimeter, area, and volume); coordinate geometry; and statistics and probability. Topics and schedules will be adjusted as necessary to meet the needs of the students as they become apparent throughout the course.

Mathematics 1 (5142y)

One year – 1 credit

Grades 9

Prerequisite: Teacher Recommendation

This course continues the integrated study of algebra and geometry, focusing on the core content to allow more time for consideration and consolidation, before proceeding to more advanced topics. We start with linear functions, systems of linear equations, and coordinate geometry. We then move to quadratic functions, exponents, inequalities, triangles and similarity, probability, and an introduction to descriptive statistics. Investigations and questions involving real-world applications are an integral part of the course.

Honors Mathematics 1 (5143y)

One year – 1 credit

Grades 9

Prerequisite: Teacher Recommendation

This course continues the integrated study of algebra and geometry, extending each topic for greater depth while necessarily proceeding faster. Advanced topics include: linear functions, systems of linear equations and inequalities, quadratic functions, exponential functions and operations on exponents, inequalities, triangles and similarity, probability, and an introduction to descriptive statistics. Investigations and questions involving real-world applications are an integral part of the course.

Grade 10 Courses

Mathematics Foundations 2 (5144y)

One year – 1 credit

Grades 10

Prerequisite: Mathematics Foundations 1 & Mathematics 1

The Foundations 2 course is taken at a slower pace than Mathematics 2 and will be tailored to specific gaps in students' foundational understanding. Topics in this course include continuations of those from Foundations 1 such as number sense, measurement, and statistics and probability, and continuing to new topics such as linear systems and inequalities, quadratic functions, and right-triangle trigonometry.

Mathematics 2 (5145y)

One year – 1 credit

Grades 10 and 11

Prerequisite: Mathematics 1, Honors Mathematics 1 or Foundations 2 with teacher recommendation.

This course continues the study of the algebraic concepts developed in Mathematics 1 by emphasizing the concept of a function and how functions are transformed numerically, graphically, and algebraically, and also introduces core trigonometric concepts and statistics. Types of functions include: linear, quadratic, exponential and logarithmic, rational, and trigonometric. The course is designed to prepare students for either the two-year IB Standard Level courses or the AP path: Pre-calculus followed by Calculus AB in years 11- and 12. Students would also be well prepared for IB HL/SL Applications and Interpretations or IB SL Analysis and Approaches.

Honors Mathematics 2 (5146y)

One year – 1 credit

Grades 10

Prerequisites: Honors Mathematics 1 or Mathematics 1 with teacher recommendation

This course both continues the development of topics covered in Honors Mathematics 1 and covers new topics that are prerequisites for IB Higher Level and/or AP Calculus AB. The course emphasizes the combination of multiple content standards in single problems, multiple problem-solving skills, finding general solutions, as well as using multiple

representations (numeric, algebraic, graphical, and verbal). In addition to extending topics from Honors 1, the course also introduces: logarithmic, polynomial, rational, radical, and trigonometric functions, and focuses on exploring domain and range, and asymptotic and end behaviours. Students will be well prepared to take IB HL Applications and Interpretations, HL Analysis and Approaches, or AP Calculus AB upon completion of this course.

Grade 11/12 Courses

Mathematics in Decision Making (5148y)

This course alternates with Pre-College Math and is offered at the start of every odd School year (2023-24, 2025-26, 2027-2028 etc)

One year – 1 credit

Grade 11 and 12

Prerequisite: Mathematics Foundations 2 & Mathematics 2

This course enables students to broaden their understanding of mathematics as it is applied to life before and during university years. This is done by infusing financial algebra through the lens of technology and reflective critical thinking skills. This course covers algebra skills, like exponential functions, statistical analysis, and probability, each paired with a personal finance topic, like investing strategies, paying for college and insurance to mention a few. Students will strengthen their mathematical decision-making skills and their mathematical communication.

Pre-College Math (51481y)

This course alternates with Mathematics in Decision Making and is offered at the start of every even school year (2024-25, 2026-27, 2028-2029 etc)

One year – 1 credit

Grade 11 and 12

Prerequisite: Mathematics Foundations 2 & Mathematics 2

This course enables students to broaden their understanding of mathematics as it is applied to life before and during university years. This is done by infusing financial algebra through the lens of technology and reflective critical thinking skills. This course covers algebra skills, like linear equations, systems of equations, and exponential functions, each paired with a personal finance topic, like budgeting, investing and managing credits to mention a few. Students will strengthen their applied mathematical skills and their mathematical communication.

FST (Functions, Statistics, Trigonometry) (51482y)

One year – 1 credit

Grades 11 and 12

Prerequisites: Mathematics 2

This course is designed to integrate functions, statistics, and trigonometry and apply the algebra

and geometry that students have studied in prior years. Supplementing the material presented in Math 2, FST completes the study of the following functions: linear, quadratic, exponential, logarithmic, and trigonometric. Additionally, the course develops some material from finite mathematics, including an introduction to probability and statistics with the intent to significantly enhance a student's ability to undertake the study of advanced statistical applications. This course contains some of the topics of traditional precalculus courses, and throughout the course, the modelling of real phenomena is emphasized. This course will help students prepare for AP Precalculus and/or AP Statistics in grade 12.

Grade 11/12 AP Courses

AP Pre-Calculus (53201y)

One Year – 1 credit

Grade 11, 12

Prerequisites: Mathematics 2 (B or higher required (or teacher recommendation)), Honors Mathematics 2, or FST

[College Board AP Precalculus Student Page](#)

This course prepares students who have taken Mathematics 2 or Honors Mathematics 2 to take AP Calculus AB in year 12. It is also designed to function as a final high school math course in preparation for studying college-level calculus in university. In this course, students study a broad spectrum of function types, including those found in the JIS Pre-Calculus course (e.g., polynomials, logarithmic, inverse trigonometric, rational, piecewise). In addition, the course extends beyond what is covered in the JIS precalculus course, covering additional topics including complex numbers, polar and parametric functions, conic sections, vectors and matrices. All students are required to sit the external AP Pre-Calculus examination in May.

AP Calculus AB (5410y)

One year – 1 credit

Grades 11, 12

Prerequisites: Honors Mathematics 2 (with a B or more required (or teacher recommendation)) or AP Pre-Calculus.

NEW STUDENTS to JIS in G11 ONLY: New students wishing to take Calculus AB are required to have completed a Pre-Calculus level course that includes the study of trigonometric functions and equations, as well as logarithmic and exponential functions.

[College Board AP Calculus AB Student Page](#)

This course introduces students to the fundamental ideas and application of differential and integral calculus, modelled after the first semester of US college-level calculus. Topics studied in the first semester include: continuity and limits, derivatives of polynomial, trigonometric, exponential and logarithmic functions, including applications of

derivatives to optimization and related rates. The second semester focuses on integral calculus including applications to area, volume and differential equations. All students are required to sit the external AP Calculus AB examination in May.

AP Calculus BC (5420y)

One year – 1 credit

Grade 12

Prerequisite: AP Calculus AB

[College Board AP Calculus BC Student Page](#)

This course will begin by covering all the material that is prerequisite to Calculus BC but not covered in Calculus AB. Following that is the additional material of the BC syllabus, the second semester of US college-level calculus, which includes extensions such as: areas bounded by polar coordinates, vector functions, tangents to parametric curves, repeated integration by parts, improper integrals, path length, and sequences and series (convergence, Power, and Taylor series). Students are required to sit the external AP Calculus BC exam in May.

AP Statistics (5850y)

One year – 1 credit

Grades 11, 12

Prerequisites: Math 2 (a grade of A or higher required (or teacher recommendation)), AP Precalculus, or FST.

[College Board AP Statistics Student Page](#)

This course introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Topics include: exploring and analyzing uni- and bi-variate data; avoiding bias in sampling, and the design of experiments; probability and simulation, probability distributions (including the binomial, geometric, normal, and Student's t distributions), and statistical inference (confidence intervals and significance tests). Students will use computers and graphing calculators extensively. All students are required to sit the external AP Statistics examination in May.

Grade 11/12 IB Courses

The IB Mathematics program offers two different streams: (1) Applications & Interpretation, and (2) Analysis & Approaches. Both courses are offered at both HL and SL, for four total options.

Applications & Interpretation is designed for students who enjoy applying mathematics in a practical context to describe the world, thus has greater emphasis on the statistical tools used in a variety of natural and human sciences. Analysis & Approaches is designed for students who enjoy mathematics itself and proving how and why mathematics works as it does.

Mind Maps of IB Curriculum (Years 1 and 2 Combined)

IB SL Applications and Interpretation Covers [Common Content](#) and [SL AI Content](#).

IB HL Applications and Interpretation Covers [Common Content](#), [SL AI Content](#), and [HL AI Content](#).

IB SL Analysis and Approaches Covers [Common Content](#) and [SL AA Content](#).

IB HL Analysis and Approaches Covers [Common Content](#), [SL AA Content](#), and [HL AA Content](#).

Detailed Curriculum Guides

[IB SL/HL Applications and Interpretation](#)

[IB SL/HL Analysis and Approaches](#)

IB S1 Applications and Interpretation (51441y)

One Year – 1 credit

Grade 11

Prerequisites: Mathematics Foundations 2 or Mathematics 2 or Honors Mathematics 2

Applications and interpretation S1 is the first year of a two-year program aimed at students who enjoy applying mathematics in a practical context. Topics that are included through the 2-year course are Number and Algebra, Functions, Geometry and Trigonometry, Calculus, and Statistics and Probability. There is a strong focus on Statistics and Probability. A calculator is allowed throughout all of the curriculum and exams. This subject is aimed at students who will go on to study subjects such as **social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example**. This course is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models.

IB S2 Applications and Interpretation (51442y)

One Year – 1 credit

Grade 12

Prerequisites: IB S1 Applications and Interpretation

Applications and interpretation S2 is the second year of a two-year program aimed at students who enjoy applying mathematics in a practical context. Topics that are included through the 2-year course are Number and Algebra, Functions, Geometry and Trigonometry, Calculus, and Statistics and Probability. There is a strong focus on Statistics and Probability. A calculator is allowed throughout all of the curriculum and exams. This subject is aimed at students who will go on to study subjects such

as **social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example**. This course is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. Students are required to sit the external IB examination in May.

IB H1 Applications and Interpretation (51451y)

One Year – 1 credit

Grade 11

Prerequisites: Mathematics 2 (a grade of B or higher required (or teacher recommendation)) or Honors Mathematics 2

Applications and Interpretation H1 is the first year of a two-year program aimed at students who enjoy applying mathematics in a practical context. Topics that are included through the 2-year course are Number and Algebra, Functions, Geometry and Trigonometry, Calculus, and Statistics and Probability. There is a strong focus on Statistics and Probability. A calculator is allowed throughout all of the curriculum and exams. This subject is aimed at students who will go on to study subjects such as social sciences, natural sciences, statistics, business, economics, psychology, and design, for example. In addition, many universities are accepting HL Applications for their engineering and physical science programs. This course is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. The HL curriculum is an extension of the SL Curriculum through increased rigor, pace and content. Extra topics in HL include Graph theory for computer programming, Hypothesis testing for scientific research, and using Matrices as a tool to model and solve problems. In this course the students are assumed to be independent and motivated learners who desire to be consistently challenged and extended.

IB H2 Applications and Interpretation (51452y)

One Year – 1 credit

Grade 12

Prerequisites: IB H1 Applications and Interpretation

Applications and Interpretation H2 is the second year of a two-year program aimed at students who enjoy applying mathematics in a practical context. Topics that are included through the 2-year course are Number and Algebra, Functions, Geometry and Trigonometry, Calculus, and Statistics and Probability. There is a strong focus on Statistics and Probability. A calculator is allowed throughout all of the curriculum and exams. This subject is aimed at students who will go on to study subjects such as **social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example**. In addition,

many universities are accepting HL Applications for their engineering and physical science programs. This course is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. The HL curriculum is an extension of the SL Curriculum through increased rigor, pace and content. Extra topics in HL include Graph theory for computer programming, Hypothesis testing for scientific research, and using Matrices as a tool to model and solve problems. In this course, the students are assumed to be independent and motivated learners who desire to be consistently challenged and extended. Students are required to sit the external IB examination in May.

IB S1 Analysis and Approaches (51461y)

One Year – 1 credit

Grade 11

Prerequisites: Mathematics 2 or Honors Mathematics 2

Analysis and Approaches S1 is the first year of a two-year program and is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. Topics that are included through the 2-year course are Number and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability, and much more emphasis on Calculus than in the applications curriculum. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as **mathematics itself, engineering, physical sciences, or economics for example**. This course is appropriate for students that are fascinated by exploring real and abstract applications of these topics, with and without the use of technology.

IB S2 Analysis and Approaches (51463y)

One Year – 1 credit

Grade 12

Prerequisites: IB S1 Analysis and Approaches

Analysis and Approaches S1 is the second year of a two-year program and is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. Topics that are included through the 2-year course are Number and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability, and much more emphasis on Calculus than in the applications curriculum. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as **mathematics itself, engineering, physical sciences, or economics for example**. This course is appropriate for students that are fascinated by exploring real and abstract applications of these topics, with and without the use of technology. Students are required to sit the external IB examination in May.

IB H1 Analysis and Approaches (51462y)

One Year – 1 credit

Grade 11

Prerequisite: Honors Mathematics 2 (B or higher is required (or teacher recommendation))

Analysis and Approaches H1 is the first year of a two-year program and is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. Topics that are included through the 2-year course are Number and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability, and much more emphasis on Calculus than in the applications curriculum. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as **mathematics itself, engineering, physical sciences, or economics for example**. This course is appropriate for students that are fascinated by exploring real and abstract applications of these topics, with and without the use of technology. The HL curriculum is an extension of the SL Curriculum through increased rigour, pace and content. Extra topics in HL include complex numbers, polynomials, vectors and much more calculus than SL. In this course the students are assumed to be independent and motivated learners who desire to be consistently challenged and extended.

IB H2 Analysis and Approaches (51464y)

One Year – 1 credit

Grade 12

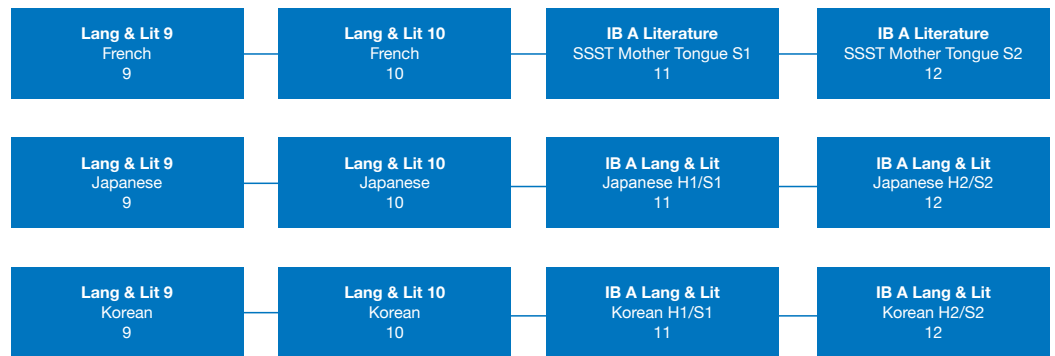
Prerequisite: IB H1 Analysis and Approaches

Analysis and Approaches H2 is the second year of a two-year program and is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. Topics that are included through the 2-year course are: Number and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability, and much more emphasis on Calculus than in the applications curriculum. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as **mathematics itself, engineering, physical sciences, or economics, for example**. This course is appropriate for students that are fascinated by exploring real and abstract applications of these topics, with and without the use of technology. The HL curriculum is an extension of the SL Curriculum through increased rigour, pace and content. Extra topics in HL include complex numbers, polynomials, vectors and much more calculus than SL. In this course, the students are assumed to be independent and motivated learners who desire to be consistently challenged and extended. Students are required to sit the external IB examination in May.

MODERN LANGUAGES

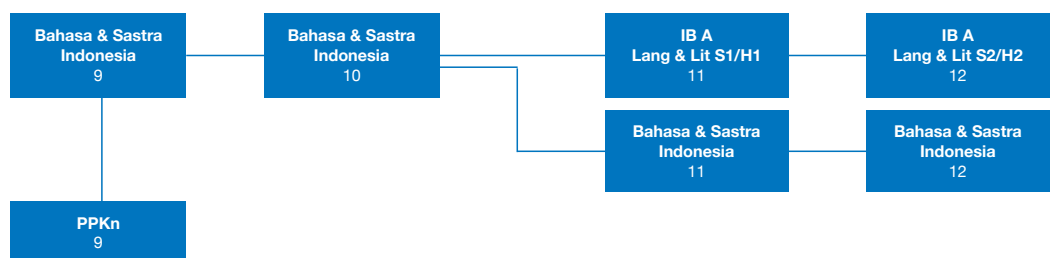
Language A

French • Japanese • Korean • World Language (Mother Tongue)



Language A

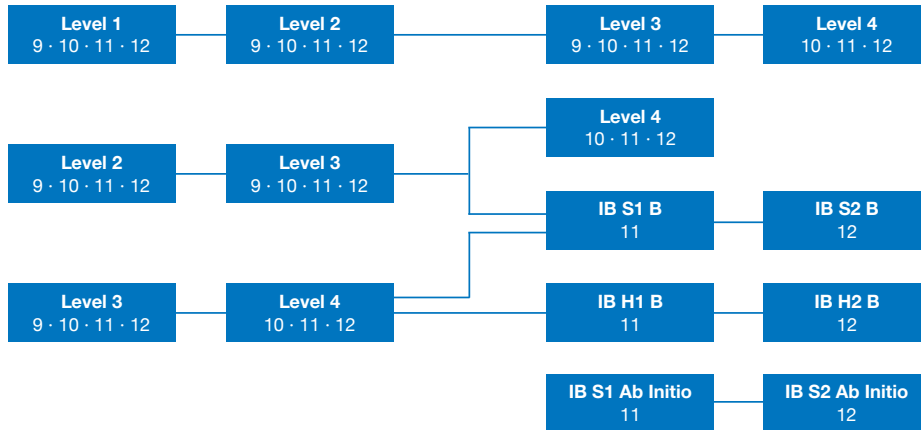
Required for Indonesian Passport Holders



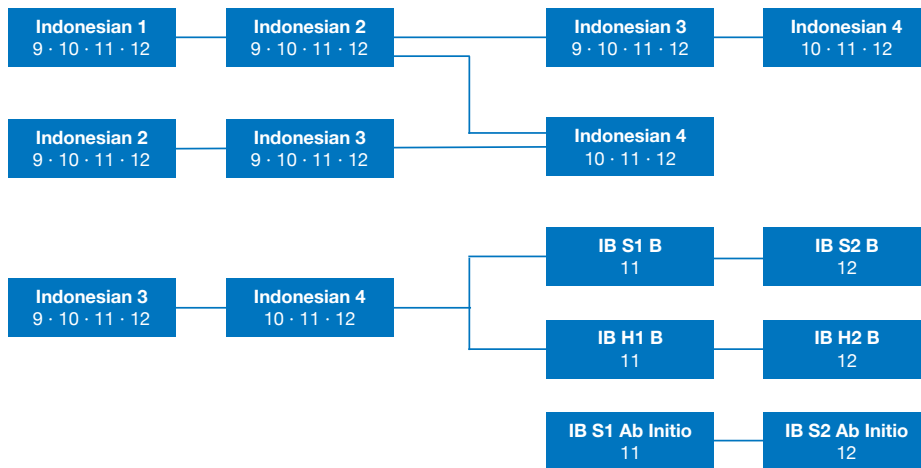
MODERN LANGUAGES

Language B

French, Mandarin

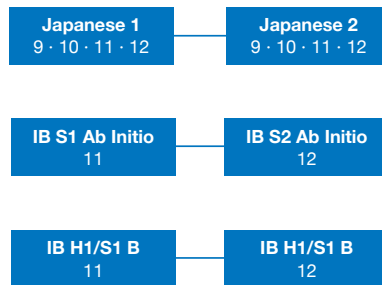


Indonesian

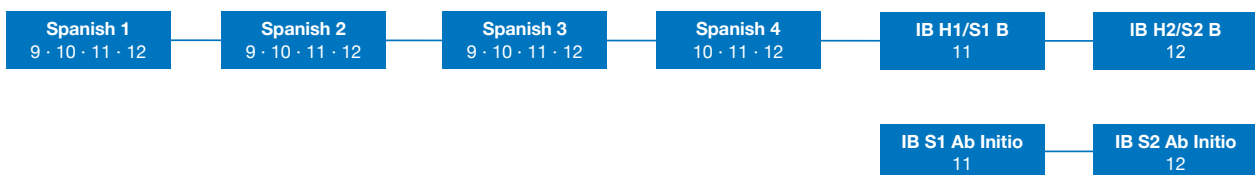


Language B

Japanese



Spanish



Semester Elective Credit Courses
GOA

G. MODERN LANGUAGES

The Modern Language Department offers a program to fulfil the needs of native (language A) and non-native (language B) students. Language B students focus on language acquisition and develop the four basic skills involved in language learning – listening comprehension, speaking, reading, and writing – and learn aspects of the life and civilization of the countries where the languages are spoken. Language A students are given the opportunity to study both language and literature. IB courses in both Group 1 (for native speakers) and Group 2 (for foreign learners) are offered.

For students new to JIS, placement in language courses above first year is based on the recommendation of the language teacher along with the results of a placement test.

Pre-IB Mother Tongue, IB Group 1 Courses & Compulsory Courses for Indonesian Passport Holders

Indonesian, Japanese, Korean, Mother Tongue, French

Indonesian

Grade 9 and 10 students who are Indonesian passport holders must take a Bahasa, Sastra, and PPKn course listed below.

Bahasa, Sastra dan Pendidikan Pancasila dan Kewarganegaraan(PPKn) 9 (33301y)

*One year – 1 credit
Grade 9*

This course is mandatory for Indonesian passport-holders. It comprises two component parts: Bahasa dan Sastra and Pendidikan Pancasila dan Kewarganegaraan(PPKn) 9, each of which is described below.

Pendidikan Pancasila dan Kewarganegaraan(PPKn) 9

Students will learn about topics pertaining to Pancasila, the state philosophy, and the knowledge about the Indonesian government system. Students will also learn about human rights and citizenship issues in line with the Indonesian national curriculum.

Bahasa dan Sastra 9

Prerequisites: a satisfactory standard of Indonesian Language in the proficiency level of native/near native speaker, as determined by the teacher.

This course is mandatory for Indonesian passport-holders and is to be taken as a companion course to Bahasa and Sastra 9. It is intended to meet the needs of students who are native or near-native Indonesian speakers. Students who are in Grade 9 and need to prepare for the Indonesian A Language and Literature

Standard or Higher level courses are recommended to take this course after Middle School classes. Emphasis is placed on oral communication, reading, writing, and analysis of texts representing Indonesian literature, society, and culture.

Bahasa dan Sastra 10 (33308y)

Prerequisite: completion of Indonesian language, Literature and Composition 1

This course is intended to meet the needs of students as the second year of the program in preparation for the Indonesian A Language and Literature Standard or Higher level courses. Emphasis is placed in oral communication, reading, writing and analysis of texts and media representing Indonesian literature, society, and culture.

Bahasa dan Sastra Indonesia 11 (33303y)

*One year – 1 credit
Grade 11*

Prerequisite: a satisfactory standard of Indonesian Language in the proficiency level of native/near native speaker, as determined by the teacher.

This course is intended to meet the needs of students who are native or near-native Indonesian speakers. This course places emphasis on oral communication, reading, writing, and analysis of texts representing Indonesian literature, society, and culture. Indonesian students who are in Grade 11 and choose not to take an IB Indonesian course will be required to take this course. There is no language enhanced support offered in this course so non-IB Indonesian students whose Indonesian is less strong should select IB B Indonesian B Standard Level to fulfill their language requirement.

Bahasa dan Sastra 12 (33304y)*One year – 1 credit**Grade 12**Prerequisite: a satisfactory standard of Indonesian Language in the proficiency level of native/near native speaker, as determined by the teacher.*

This course is required for Indonesian passport holders who are in Grade 12 and choose not to take an IB Indonesian course. This course places emphasis on oral communication, reading, writing, and analysis of texts representing Indonesian literature, society, and culture.

IB S1 Indonesian A Language and Literature (3869y)*One year – 1 credit**Grade 11**Prerequisite: successful completion of Bahasa and Sastra Indonesia 10 or a satisfactory standard of native or near-native competence as determined by the teacher*

This course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB S2 Indonesian A Language and Literature (38691y)*One year – 1 credit**Grade 12**Prerequisite: successful completion of IB S1 Indonesian A Language and Literature or a satisfactory standard of native or near-native competence as determined by the teacher*

This course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H1 Indonesian A Language and Literature (3868y)*One year – 1 credit**Grade 11**Prerequisite: successful completion of Indonesian Language, Literature and Civics 10 or a satisfactory standard of native or near-native competence as determined by the teacher*

This rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H2 Indonesian A Language and Literature (38761y)*One year – 1 credit**Grade 12**Prerequisite: successful completion of IB H1 Indonesian A Language and Literature or a satisfactory standard of native or near-native competence as determined by the teacher.*

This rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

Japanese

Japanese Language and Literature 9 (3422y)

One year – 1 credit

Grade 9

Prerequisite: Native Japanese speaker or equivalent.

In this course, students focus on the genres of poetry, short story, novel. They study a variety of composition skills, writing both formally and informally. Emphasis is placed upon the growth of reading, writing, and speaking with an understanding of the conventions of various text types and media. An independent reading program endeavors to strengthen students' reading through goal setting, reflection, and conferencing.

Japanese Language and Literature 10 (3423y)

One year – 1 credit

Grade 10

Prerequisite: Native Japanese speaker or equivalent.

This Language and Literature course is open to Grade 10, students intending to take IB Japanese A Language and Literature SL/HL program. In this course students focus on the genres of poetry, drama, novel, and nonfiction. They study a variety of composition skills, writing both formally and informally. Emphasis is placed upon the growth of reading, writing, and speaking with an understanding of the conventions of various text types and media. An independent reading program endeavors to strengthen students' reading through goal setting, reflection, and conferencing.

IB S1 Japanese A Language and Literature (3893y)

One year – 1 credit

Grade 11

Prerequisite: Native Japanese speaker or equivalent.

This course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms, and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB S2 Japanese A Language and Literature (3894y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of IB S1

Japanese A Language and Literature or a satisfactory standard of native

This course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms, and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H1 Japanese A Language and Literature (38984y)

One year – 1 credit

Grade 11

Prerequisite: Native Japanese speaker or equivalent.

This rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H2 Japanese A Language and Literature (38985y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of IB H1

Japanese A Language and Literature or a satisfactory standard of native

This rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6

in total over the two years) from a variety of media, places, forms, and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms, and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

Korean

Korean Language and Literature 9 (39001y)

One year – 1 credit

Grade 9

Prerequisite: Native Korean speaker or equivalent.

In this course, students focus on the genres of poetry, short story, novel. They study a variety of composition skills, writing both formally and informally. Emphasis is placed upon the growth of reading, writing, and speaking with an understanding of the conventions of various text types and media. An independent reading program endeavors to strengthen students' reading through goal setting, reflection, and conferencing.

This course might be combined with Korean Language and Literature 10.

Korean Language and Literature 10 (39002y)

One year – 1 credit

Grade 10

Prerequisite: Native Korean speaker or equivalent.

This Language and Literature course is open to Grade 10, students intending to take IB Korean A Language and Literature SL/HL program. In this course students focus on the genres of poetry, drama, novel, and nonfiction. They study a variety of composition skills, writing both formally and informally. Emphasis is placed upon the growth of reading, writing, and speaking with an understanding of the conventions of various text types and media. An independent reading program endeavors to strengthen students' reading through goal setting, reflection, and conferencing.

This course might be combined with Korean Language and Literature 9.

IB S1 Korean A Language and Literature (39021y)

One year – 1 credit

Grade 11

Prerequisite: Native Korean speaker or equivalent.

This course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide

range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB S2 Korean A Language and Literature (39022y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of IB S1 Korean A Language and Literature or a satisfactory standard of native.

This course is designed for students who appreciate the complexities of both literary and non-literary texts. Over the two years, students study a wide range of literary and/or non-literary texts (4 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H1 Korean A Language and Literature (39031y)

One year – 1 credit

Grade 11

Prerequisite: Native Korean speaker or equivalent.

This rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

IB H2 Korean A Language and Literature (39032y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of IB H1 Korean A Language and Literature or a satisfactory standard of native.

This rich and challenging course is designed for students who appreciate the complexities of both literary and non-literary texts and are comfortable analysing both. Over the two years, students study a wide range of literary and/or non-literary texts (6 in total over the two years) from a variety of media, places, forms and periods. They will also investigate the nature of language itself and the ways it shapes and is influenced by identity and culture, as well as the world. Throughout the course, students will explore the various ways in which language choices, text types and literary forms and contextual elements all affect meaning. The course is meant to develop sensitivity to the foundational nature, and persuasive influence of language in the world at large. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

Mother Tongue

French Language and Literature 9 (31051y)

One year – 1 credit

Grade 9

Prerequisite: proficiency level of a native or near native French speaker, as determined by the teacher.

This language and literature 9 course prepares Grade 9 students for the French Language and Literature 10 course. Through the French Literature, the aim is to consolidate the French fundamentals in Grammar, Conjugation and Spelling in Writing but also Orally and to learn new concepts in regards to the Literary analysis. It also trains Grade 10 students for the IB French A : French A Literature (SL).

This course might be combined with French Language and Literature 10.

French Language and Literature 10 (31101y)

One year – 1 credit

Grade 9

Prerequisite: proficiency level of a native or near native French speaker, as determined by the teacher.

This language and literature 10 course is open to Grade 10 students intending to take French A Literature SL/Self-taught or IB French B HL as part of the International Baccalaureate Diploma Programme. The course offers a wide panorama of the French Literature, in 3 main genres - Novels / Drama / Poetry - since the 16th century and enhance the students' Writing skills for argumentative essay and literary commentary.

This course might be combined with French Language and Literature 9.

World Languages: Language and Literature Self-Taught 9 (3701y)

One year – 1 credit

Grade 9

Prerequisite: proficiency level of a native or near native world Languages speaker, as determined by the teacher.

This school-supported self-taught language and literature course prepares Grade 9 students for the IB self taught mother tongue course in Grades 11 and Grade 12 as well as other language proficiency tests. Through the use of literature, the aim is to consolidate mother tongue language skills and appreciation of appropriate target language culture. Students will self study during class time with the supervision of the class coordinator based on the lesson plans. However, it is a request that every student will have a native tutor to go through the course plans and get the language support they need. Please note that tutoring fees are borne by the parents and high quality online tutors are a suitable option.

Please consult with the Head of Modern Languages before choosing this course.

This course might be combined with World Languages: Language and Literature Self-Taught 10.

World Languages: Language and Literature Self-Taught 10 (3702y)

One year – 1 credit

Grade 10

Prerequisite: proficiency level of a native or near native world/ Languages speaker, as determined by the teacher.

This school supported self-taught language and literature course prepares Grade 10 students for the IB self taught mother tongue course in Grades 11 and Grade 12 as well as other language proficiency tests. Through the use of literature, the aim is to consolidate mother tongue language skills and appreciation of appropriate culture. Students will self study during class time with the supervision of the class coordinator based on the lesson plans. However, it is a request that every student will have a native tutor to go through the course plans and get the language support they need. Please note that tutoring fees are borne by the parents and high quality online tutors are a suitable option.

Please consult with the Head of Modern Languages before choosing this course. This course might be combined with World Languages: Language and Literature Self-Taught 9.

Introduction to Self-taught Academic Dutch (Self Taught programme)

Two years – 2 credits

Grade 11 and 12

Prerequisite: Only students who have pre-approval from their counselors may enroll

- This course must have an external tutor.
- This course will be marked and assessed internally at JIS. It is not an IB or AP level course.

This school-supported self-taught language course is designed for students with little or no prior experience in learning Dutch. It is aimed at students who intend to move to the Netherlands after graduating from JIS and would like to build up a working knowledge of the language. The main focus of the course is to develop listening, speaking, reading and writing skills, and a basic awareness of the culture.

Students will self-study during class time with the supervision of the class coordinator based on the lesson plans. However, it is a requirement that every student will have a native tutor to go through the course plans and get the language support they need. Please note that tutoring fees are borne by the parents and high quality online tutors are a suitable option.

IB S1 SSST Mother Tongue (3920y)

One year – 1 credit

Grade 11

Prerequisite: a native speaker with proficiency in the target language as evaluated by the Mother Tongue coordinator.

- Self-taught languages are limited by the IB to a maximum of 5 candidates in any given language – students will be accommodated on a first come first served basis
- Only students enrolled in the Mother Tongue program will be permitted to take the IB Language A Self-Taught examinations.
- This course must have an external tutor.

This two-year course is aimed at those students who enjoy reading literature and wish to focus on the development of their mother tongue.

Through different perspectives of culture, context and various concepts, students will refine their critical thinking, close reading, writing, speaking and listening skills, while engaged in the exploration and enjoyment of the nature of literature, the aesthetic function of literary language and the relationship between text and the world and themselves. Students will study 9 texts (over the two years) that encompass a range of exciting literary genres from different

cultures and periods - including poetry, fiction, non-fiction and drama, with the goal of developing an understanding of the factors that contribute to the production and reception of literature. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meaning is negotiated by the reader in relation to global issues

The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2. Diploma candidates will be eligible for the IB bilingual diploma upon successful completion of the course.

IB S2 SSST Mother Tongue (3921y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of the 1st year of the course.

- Self-taught languages are limited by the IB to a maximum of 5 candidates in any given language – students will be accommodated on a first come first served basis.
- Only students enrolled in the Mother Tongue program will be permitted to take the IB Language A Self-Taught examinations.
- This course must have an external tutor.

This is the second year of a two-year course aimed at those students who enjoy reading literature.

Through different perspectives of culture and context, students will refine their critical thinking, close reading, writing, speaking and listening skills, while engaged in the exploration and enjoyment of the nature of literature, the aesthetic function of literary language and the relationship between text and the world and themselves. Students will study 9 texts (over the two years) that encompass a range of exciting literary genres from different cultures and periods - including poetry, novels, drama, essays, graphic novels and non-fiction, with the goal of developing an understanding of the factors that contribute to the production and reception of literature. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meaning is negotiated by the reader. The course is open to diploma, as well as non-diploma candidates who may elect to earn an IB certificate. Students enrolled in this course will be expected to take the IB examination at the end of Year 2.

Pre-IB & IB Group 2 Language Acquisition Courses

French, Indonesian, Japanese, Mandarin, Spanish

French

students with topics related to the culture of France.

French 1 (3105y)

One year – 1 credit
Grades 9, 10, 11, 12
Prerequisite: None

This course provides an introduction to French with practice in listening comprehension, speaking, reading, and writing skills. By the completion of the year, students are expected to understand simple questions and directions given orally and to be able to respond in French. They are to master basic grammatical structures and write short paragraphs. The course utilizes videos, listening comprehension devices, and other materials deemed appropriate. The program encourages cultural awareness through additional material such as films and background information.

French 2 (3110y)

One year – 1 credit
Grades 9, 10, 11, 12
Prerequisite: successful completion of MS Beginning French or MS Intermediate French

This course is a review and a continuation of French 1. Oral communication is stressed through group activities, exercises, presentations, singing and role-play. Emphasis is also placed on reading and writing skills. The students are also exposed to French culture through various activities.

French 3 (3120y)

One year – 1 credit
Grades 9, 10, 11, 12
Prerequisite: completion of High School French 2 or Middle School Advanced French

The emphasis of this course is on oral work and listening comprehension. Students give oral presentations in French. Grammatical structures are strengthened. Authentic material in the French language is regularly used and short compositions are written.

French 4 (3125y)

One year – 1 credit
Grade 10, 11, 12
Prerequisite: successful completion of French 3 or French 2 with teacher recommendation

This course is highly recommended for students who want to take the IB Higher Level French B course in the following years. The goals are to increase vocabulary, develop oral fluency, consolidate grammatical structures and introduce formal essay writing. The course is also designed to familiarize

IB S1 French Ab Initio (38391y)

One year – 1 credit
Grade 11
Prerequisite: none

This is the first year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior French learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB French Ab Initio exam.

IB S2 French Ab Initio (38392y)

One year – 1 credit
Grade 12
Prerequisite: IB S1 French Ab Initio

This is the second year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior French learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB French Ab Initio exam.

IB S1 French B (3839y)

One year – 1 credit
Grade 11
Prerequisite: successful completion of French 4 or French 3.

This course is the first year of the two-year IB Standard Level French course. The goals are to increase vocabulary, develop oral fluency, consolidate grammatical structures, and practice formal essay writing. The course is also designed to familiarize students with topics related to French culture.

IB S2 French B (3841y)

One year – 1 credit
Grade 12
Prerequisite: successful completion of IB S1 French B

This is the second year of the two-year IB Standard Level French course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed through the study and use of a range of written and spoken material. Students will be taught how to recognize the communicative purpose of the texts and how to respond appropriately to them. They should show awareness of and sensitivity to some elements of French culture. The course is a preparation to the IB French B Standard Level exam.

IB H1 French B (3845y)*One year – 1 credit**Grade 11**Prerequisite: successful completion of French 4.*

The course is the first year of the two-year IB Higher Level French course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written, spoken, literary, and non-literary material. Students will be taught how to recognize and analyze the communicative purpose of the texts and how to respond appropriately. They should also show sensitivity to both French culture and literature.

IB H2 French B (3850y)*One year – 1 credit**Grade 12**Prerequisite: successful completion of IB H1 French B*

The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written, spoken, literary, and non-literary material. Students will be taught how to recognize and analyze the communicative purpose of the texts and how to respond appropriately to them. They should show sensitivity to both French culture and literature. The course is a preparation for the IB French B HL exam.

Indonesian Second Language**Indonesian Studies (3335s)***One Semester - 0.5 credit**Grades 9, 10**Prerequisite: None*

A semester of Indonesian Studies in the High School is required for graduation and this course is one way of satisfying the requirement. The students study about Bahasa Indonesia, Indonesia's Culture and Indonesia's History. This includes an introduction to Bahasa Indonesia and to Indonesian geography, history, culture, and customs. Indonesian courses taken in Middle School do not receive High School credit, and they do not fulfil this graduation requirement. Students with more than a basic level of Indonesian are encouraged to take an appropriate level of Indonesian Language, such as Indonesian 2 or 3, or one of our other Indonesian Studies options in order to fulfill this graduation requirement.

Indonesian Studies 11/12*One Semester - 0.5 credit**Grade 11, 12**Prerequisite: None*

This or some other Indonesian Studies or Indonesian Language course is required for graduation. The students study about Indonesia. This includes an introduction to Bahasa Indonesia and to Indonesian geography, history, culture, and customs. Indonesian

courses taken in Middle School do not receive High School credit, and do not fulfill this graduation requirement. Students with more than a basic level of Indonesian are encouraged to take an appropriate level of Indonesian Language, such as Indonesian 2 or 3, or one of our other Indonesian Studies options, to fulfil this graduation requirement.

Indonesian 1 (3305y)*One year – 1 credit**Grades 9, 10, 11, 12**Prerequisite: none*

This is a more demanding course linguistically than Indonesian Studies and should be considered by those students who have a serious interest in the study of the Indonesian Language. This course includes practice in listening comprehension, speaking, reading, and writing skills. By the end of the year, students are to master basic grammatical structures, write short compositions, and be able to express themselves orally at a mid-novice level of proficiency. The program also encourages cultural awareness through supplemental materials.

Indonesian 2 (3310y)*One year – 1 credit**Grades 9, 10, 11, 12**Prerequisite: High School Indonesian I, Middle School Beginning Indonesian, or Middle School Intermediate Indonesian.*

This course is a continuation of Indonesian 1. This course will introduce more complex grammatical structures, develop oral fluency, familiarize students with more demanding reading materials, and further essay writing techniques in preparation for Indonesian B (Standard and Higher) courses.

Indonesian 3 (3311y)*One year – 1 credit**Grades 9, 10, 11, 12**Prerequisite: successful completion of High School Indonesian 2 or Middle School Advanced Indonesian*

The emphasis of this course is on speaking, reading, and writing. Students give oral presentations in Indonesian. Grammatical structures are strengthened. Authentic material in the Indonesian language is regularly used and short compositions are written.

Indonesian 4 (3312y)*One year – 1 credit**Grade 10**Prerequisite: successful completion of Indonesian 3 or Indonesian 2 with teacher recommendation.*

This course is highly recommended for students who want to take IB Higher Level B course the following years. The goals are to increase vocabulary, develop oral fluency, consolidate grammatical structures, and introduce formal essay writing. The course is also

designed to familiarize students with topics related to the culture of Indonesia.

IB S1 Indonesian Ab Initio (38781y)

One year – 1 credit
Grade 11

This is the first year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior Indonesian learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB Indonesian Ab Initio exam.

Notes: The IB exam for this course will be held in November Grade 12.

IB S2 Indonesian Ab Initio (38782y)

One year – 1 credit
Grade 11

Prerequisite: IB S1 Indonesian Ab Initio

This is the second year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior Indonesian learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB Indonesian Ab Initio exam.

Notes: The IB exam for this course will be held in November of Grade 12.

IB S1 Indonesian B (3881y)

One year – 1 credit
Grade 11

Prerequisite: successful completion of Indonesian 3 or Indonesian 4.

This course is the first year of the Indonesian B Standard Level course. In this course students are exposed to complex material, vocabulary, developing oral fluency, consolidating grammatical structure, and an introduction to formal essay writing. The course is also designed to familiarize students with topics related to the culture of Indonesia.

IB S2 Indonesian B (3883y)

One year – 1 credit
Grade 12

Prerequisite: successful completion of IBS1 Indonesian B.

The course is the second year of the Indonesian B Standard level course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written and spoken material. Students will be taught how to recognize the purpose of the texts and how to respond appropriately. They should show awareness of, and sensitivity to, some elements of the culture related Bahasa Indonesia. Students may be required

to participate in a field trip at a cost of Rp 500.000.

IB H1 Indonesian B (3886y)

One year – 1 credit

Grade 11

Prerequisite: successful completion of Indonesian 4.

The course is the first year of the 2-year IB Higher Level Indonesian course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed through the study and use of a range of written, spoken, literary, and non-literary material. Students will be taught how to recognize and analyze the purpose of texts and how to respond appropriately to. They should also show sensitivity to both Indonesian culture and literature.

IB H2 Indonesian B (3885y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of Indonesian IBH1 Indonesian B course

The course is a preparation for the Indonesian B Higher Level exam. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed through the study and use of a range of written, spoken, literary and non-literary material. Students will be taught how to recognize and analyze the communicative purpose of the texts and how to respond appropriately to them. They should show an awareness of, and sensitivity to, the cultures related to the language studied. Students may be required to participate in a field trip at a cost of Rp 500.000.

Japanese

Japanese 1 (3405y)

One year – 1 credit

Grades 9, 10, 11, 12

Prerequisite: none

This course provides an introduction to Japanese with practice in listening comprehension, speaking, reading, and writing the hiragana and katakana systems. By the completion of the year, students are expected to understand simple questions and directions given orally and to respond in Japanese. They are to master basic grammatical structures and write short paragraphs. The course utilizes videos, listening comprehension devices and other materials deemed appropriate. The program encourages cultural awareness through additional material such as films and background information.

Japanese 2 (3410y)

One year – 1 credit

Grades 9, 10, 11, 12

Prerequisite: successful completion of Japanese 1 or sufficient knowledge of Japanese, as determined by the teacher.

This course is a review and a continuation of Japanese 1. Oral communication is stressed through group activities, exercises, presentations, and role-play. Greater emphasis is placed on reading and writing skills. By the end of the year, students are expected to speak and understand spoken and written Japanese at a mid-novice level of proficiency. The essential 100 kanjis will be introduced.

IB S1 Japanese Ab Initio (3425y)

One year – 1 credit

Grade 11

Prerequisite: none

This is the first year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior Japanese learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB Japanese Ab Initio exam.

IB S2 Japanese Ab Initio (3426y)

One year – 1 credit

Grade 12

Prerequisite: completion of IBS1 Japanese Ab Initio

This is the second year of the two-year Ab Initio program. The main focus of the course is to further develop the different linguistic skills and cultural awareness in order to prepare students for the IB Japanese Ab Initio exam.

IB S1 Japanese B (3896y)

One year – 1 credit

Grade 11

Prerequisite: successful completion of Japanese 2 or higher

This course is the first year of the Japanese B Standard Level course. In this course, students are exposed to complex material, vocabulary, developing oral fluency, consolidating grammatical structure, and an introduction to formal essay writing. The course is also designed to familiarize students with topics related to the culture of Japan.

IB S2 Japanese B (3899y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of IB S1 Japanese B

The course is the second year of the Japanese B Standard level course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written and spoken material. Students will be taught how to recognize the purpose of the texts and how to respond appropriately. They should show awareness of, and sensitivity to, some elements of the culture related Japanese language.

Mandarin

Mandarin 1 (3605y)

One year – One credit

Grades 9, 10, 11, 12

Prerequisite: none

This course provides an introduction to the Mandarin language with practice in listening comprehension, speaking, reading, and writing Mandarin characters. By the completion of the year, students are expected to understand simple questions and directions and to be able to respond in Mandarin. They are expected to master basic grammar structures and write short paragraphs. The course utilizes videos, listening comprehension devices, and other material deemed appropriate. The program also encourages cultural awareness through additional material, such as film.

Mandarin 2 (3610y)

One year – One credit

Grades 9, 10, 11, 12

Prerequisite: successful completion of High School Mandarin 1, Middle School Beginning Mandarin, or Middle School Advanced Mandarin

This course is a review and continuation of Mandarin I. Oral communication is stressed through group activities, exercises, presentations, and role-play. Emphasis is placed on reading and writing Mandarin characters. By the end of the year, students are expected to speak and understand spoken and written Mandarin at a pre-intermediate level of proficiency. The course encourages cultural awareness through additional material deemed appropriate.

Mandarin 3 (3615y)

One year, one credit

Grades 9,10,11,12

Prerequisite: Successful completion of High School Mandarin 2 or Middle School Advanced Mandarin

This course is a continuation of Mandarin 2 and is recommended for those students who want to continue the study of Mandarin. Emphasis is placed on complex grammar structures, oral fluency development, richness of vocabulary and Mandarin characters. The course is also designed to familiarize students with topics related to Chinese culture.

Mandarin 4 (3620y)

One year – 1 credit

Grade 10. Also open to Non-IB students in Grades 11 and 12

Prerequisite: successful completion of Mandarin 3 or Mandarin 2 with teacher recommendation.

The goals are to increase vocabulary, develop oral fluency, consolidate grammatical structures, and introduce formal essay writing. The course is also designed to familiarize students with topics related to Chinese culture.

IB S1 Mandarin Ab Initio (36291y)*One year – 1 credit**Grade 11**Prerequisite: none*

This is the first year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior Mandarin learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB Mandarin Ab Initio exam.

IB S2 Mandarin Ab Initio (36302y)*One year – 1 credit**Grade 12**Prerequisite: IB S1 Mandarin Ab Initio*

This is the second year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior Mandarin learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB Mandarin Ab Initio exam.

IB S1 Mandarin B (3629y)*One year – 1 credit**Grade 11**Prerequisite: successful completion of Mandarin 3 or 4.*

This course is the first year of the IB Mandarin B Standard Level course. The goals are to increase vocabulary, develop oral fluency, consolidate grammatical structure, and introduce formal essay writing. The course is also designed to familiarize students with topics related to Chinese culture.

IB S2 Mandarin B (3630y)*One year - 1 credit**Grades 12**Prerequisite: successful completion of IBS1 Mandarin B.*

The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written and spoken material. Students will be taught how to recognize the purpose of texts and how to respond appropriately. They should show awareness of and sensitivity to some elements of Chinese culture. The course is a preparation for the IB Mandarin B Standard Level exam.

IB H1 Mandarin B (3631y)*One year - 1 credit**Grade 11**Prerequisite: successful completion of Mandarin 4.*

The course is the first year of the 2-year IB Higher Level Mandarin course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of

written, spoken, literary, and non-literary material. Students will be taught how to recognize and analyze the communicative purpose of the texts and how to respond appropriately to them. Students will also study two works of literature.

IB H2 Mandarin B (3632y)*One year – 1 credit**Grade 12**Prerequisite: successful completion of IB H1 Mandarin B*

The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written, spoken, literary, and non-literary material. Students will be taught how to recognize and analyze the communicative purpose of the texts and how to respond appropriately to them. They should also show an awareness of, and sensitivity to, the culture related to the language studied.

Spanish**Spanish 1 (3505y)***One year – 1 credit**Grades 9, 10, 11, 12**Prerequisite: none.**Recommended for Grade 11 students who require 2 years of language credit*

This course provides an introduction to Spanish with practice in listening comprehension, speaking, reading and writing skills. By the completion of the year, students are expected to master basic grammatical structures and understand and produce simple sentences and texts, both orally and in writing. The course utilizes authentic materials such as texts, videos, listening comprehension devices, and other materials deemed appropriate to encourage cultural awareness.

Spanish 2 (3520y)*One year – 1 credit**Grades 9, 10, 11, 12**Prerequisite: successful completion of High School Spanish 1, Middle School Beginning Spanish, or Middle School Intermediate Spanish*

This course is a review and continuation of Spanish 1. Oral communication is stressed through group activities, exercises, presentations, and role-play. Emphasis is placed on reading and writing skills. By the end of the year, students are expected to speak and understand spoken and written Spanish at a pre-intermediate level of proficiency.

Spanish 3 (3525y)*One year – 1 credit**Grades 9, 10, 11, 12**Prerequisite: successful completion of High School Spanish 2 or Middle School Advanced Spanish*

The emphasis of this course is on oral work and listening comprehension. Students give oral presentations in Spanish. Grammatical structures are strengthened. Authentic material in the Spanish language is regularly used and short compositions are written.

Spanish 4 (3530y)

One year-1 credit.

Grades 10, 11, 12

Prerequisite: successful completion of Spanish 3.

This course is highly recommended for students who want to take IB Level B Spanish. The goals are to increase vocabulary, develop oral fluency, consolidate grammatical structures, and introduce formal essay writing. The course is also designed to familiarize students with topics related to the cultures of Spanish-speaking countries.

IB S1 Spanish Ab Initio (3514y)

One year-one credit

Grade 11

Prerequisite: none

This is the first year of the two-year Ab Initio program. This course is designed for IB Diploma candidates with little or no prior Spanish learning experience. The main focus of the course is to develop listening, speaking, reading and writing skills, a basic awareness of the culture and also to prepare students for the IB Spanish Ab Initio exam.

IB S2 Spanish Ab Initio (3515y)

One year-one credit

Grade 12

Prerequisite: completion of IBS1 Spanish Ab Initio.

This is the second year of the two-year Ab Initio program. The main focus of the course is to further develop the different linguistic skills and cultural awareness in order to prepare students for the IB Spanish Ab Initio exam.

IB S1 Spanish B (3909y)

One year – 1 credit

Grade 11

Prerequisite: successful completion of Spanish 4

This course is the first year of the IB Spanish B Standard level course. The goals are to increase vocabulary, develop oral fluency, consolidate grammatical structure and introduce formal essay writing. The course is also designed to familiarize students with topics related to the cultures of Spanish-speaking countries.

IB S2 Spanish B (3911y)

One year – 1 credit

Grades 12

Prerequisite: successful completion of IB S1 Spanish B.

The course is the second year of the IB Spanish B Standard Level course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written and spoken material. Students will be taught how to recognize the communicative purpose of the texts and how to respond appropriately to them. They should show awareness of, and sensitivity to, some elements of the culture related to the language studied.

IB H1 Spanish B (3916y)

One year - 1 credit

Grade 11

Prerequisite: successful completion of Spanish 4.

The course is the first year of the 2-year IB Higher Level Spanish course. The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written, spoken, literary, and non-literary material. Students will be taught how to recognize and analyze the communicative purpose of the texts and how to respond appropriately to them. They should also show sensitivity to both Spanish culture and literature.

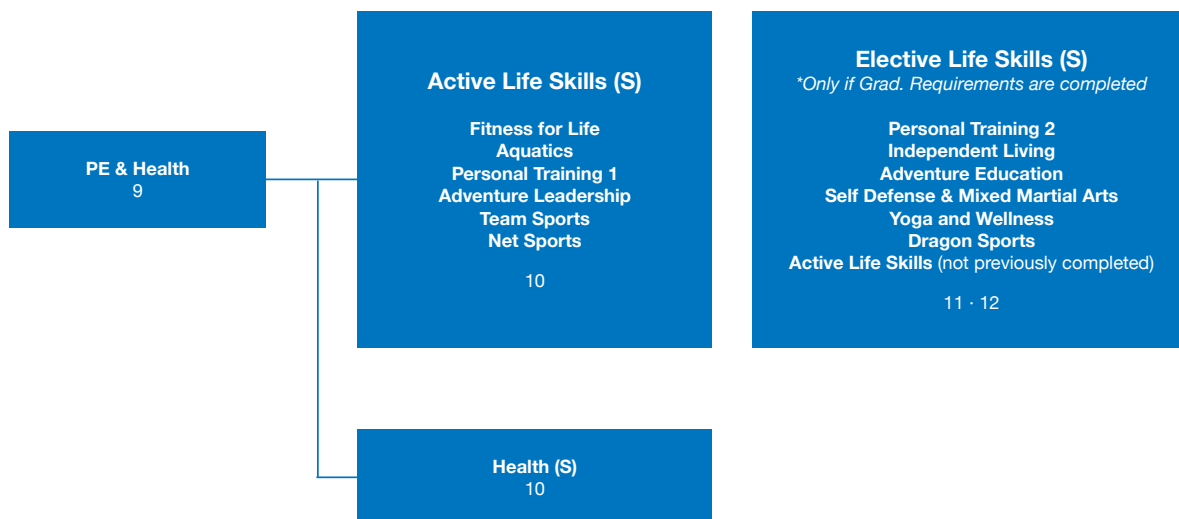
IB H2 Spanish B (3917y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of IB H1 Spanish B

The main focus of this course is on language acquisition and development in the four main language skills. These skills should be developed by the study and use of a range of written, spoken, literary, and non-literary material. Students will be taught how to recognize and analyze the communicative purpose of the texts and how to respond appropriately to them. They should also show an awareness of, and sensitivity to, the culture related to the language studied.



H. PHYSICAL EDUCATION & HEALTH

The Physical Education and Health Department believes that every student should strive to attain the skills for lifelong wellness. In our rapidly changing society, there is an increasing awareness of the importance of developing a healthy lifestyle. These courses will allow the students to develop a balance between their social, mental and physical well-being. To this end, the PE and Health courses complement each other.

PE and Health Graduation requirements are:

- A full year of PE and Health in Grade 9,
- A semester of Health in Grade 10,
- Two Active Life Skills classes in Grade 10, which include the following:
 - a. Adventure Leadership
 - b. Aquatics
 - c. Fitness for Life
 - d. Net Sports
 - e. Personal Training
 - f. Team Sports

*** *These courses must be completed in Grade 10, one in each semester.*

Physical Education and Health (PEH) (7151y)

One year – 1 credit
Grade 9

This is a year-long course required for JIS graduation. It aims to have all students experience success and enjoyment as they actively participate in a diverse range of physical activities. The course is designed to improve knowledge and understanding of personal fitness and biomechanics, and build and enhance movement skills. Students are expected to make responsible and informed decisions for their health and well-being, in which they value and commit to an active and healthy lifestyle.

Health & Wellness (7153s)

One semester – 0.5 credit
Grade 10

This is a one-semester course required for JIS graduation. The course is designed to help students develop a sense of personal and social responsibility for their lifestyle decisions. The class navigates current global trends and health issues to promote student understanding of choices and their consequences. The skill development of communication, problem solving and decision making are integrated into topics such as relationships, human sexuality, substance abuse and nutrition. This course explores different cultural values and expectations, but more importantly helps

students develop their own life goals, values and understand the importance of enhancing identity and self-esteem.

Active Life Skills Program

The Physical Education and Health Department offers students who have successfully completed the required Grade 9 PE and Health course the opportunity to choose from a variety of Active Life Skills classes. These classes are designed to continue building on the student's existing interest, knowledge, fitness and skills. **Students must take two Active Life Skills classes by the end of grade 10 to meet graduation requirements.**

Adventure Leadership (75030s)

One semester - 0.5 credit

Grades 10

Adventure Leadership provides an exciting alternative to traditional physical education and fitness classes by incorporating new opportunities for students to learn and develop skills to live an active and healthy life. This course offers students the opportunity to develop their leadership skills through team building and initiative tasks. Through various adventure, outdoor and leadership activities such as wilderness first aid, SUPing, adventure racing, orienteering, climbing and rappelling, students will be challenged to problem solve, communicate effectively, overcome fears, take risks, push their physical and mental boundaries, collaborate with others and develop individual leadership skills.

Aquatics (7380s)

Semester One Only

One semester - 0.5 credit

Grades 10

This course offers students the opportunity to further develop their aquatic skills, fitness and knowledge. Development and critique of all strokes, recreational activities such as water polo, underwater hockey and kayaking, and life-saving skills and procedures represent the three major units covered. Learning about water safety and life-saving skills can lead to external certification offered by RLSS and Red Cross. The course is only offered in the first semester due to availability of the pool.

Fitness for Life (7395s)

One semester - 0.5 credit

Grades 10

This course is designed to meet the needs of students who wish to improve and develop their physical well being through participation in a variety of exercise programs. Activities such as yoga, pilates, circuit training, kickboxing and body pump will be included in this course. This class will provide an opportunity for members to evaluate their personal fitness, identify their strengths and areas for improvement and then set personal goals which

will contribute to a lifetime of health and wellness. Interspersed within this course is the focus on learning nutritional habits which, added to regular exercise program, will help develop a healthy lifestyle.

Net Sports (7361s)

One semester - 0.5 credit

Grades 10

This course provides students with an understanding behind the principles of various net sports. Students will study the phases of movement, the mechanics of effective shot execution, tactics and strategies and fitness development related to sports such as badminton, pickleball, smashball and volleyball. All athletic ability levels are accommodated in this course as each student works at their own pace to improve their skills. After taking this course, students will have the knowledge and skills that will enable them to pursue a variety of net sports and activities. Students will be able to improve their physical skills, game strategy and overall wellness.

Personal Training and Conditioning 1 (7500s)

One semester - 0.5 credit

Grades 10

This course covers many aspects of physical fitness, weight training, conditioning and nutrition. Students will learn about the concepts of weight training and personal physical fitness and apply these concepts to create their own workout based on their fitness goals. Students are introduced to functional fitness in order to promote safety and efficiency in their workouts. Proper form and technique of common functional fitness exercises, consisting of both body weight and free weight resistance will be learned. Students will learn the main muscle groups and the best ways to develop them. Finally, the course also focuses on helping to develop a healthy lifestyle, learning effective lifelong nutritional habits.

Team Sports (7385s)

One semester - 0.5 credit

Grades 10

Team Sports provides students with an opportunity to participate in a wide range of traditional and non-traditional sports. The expectation is that students will exercise, socialize and engage in a competitive and active environment. This course offers students the potential to enhance leadership skills by developing skills in team building, decision-making, and problem solving situations. Throughout the semester, the focus will be on developing transferable skills on offense and defense and using team strategy in a variety of situations. Students will improve their personal levels of fitness, while fine-tuning their athletic skills and developing new relationships.

PE Elective Program

Available only for Grade 11 and 12 students after completion of PE/Health graduation requirements, which are outlined above.

*** These courses CANNOT be used to meet the graduation requirements- If a student in 11th or 12th grade still needs to complete their graduation requirements, see options from the Active Life Skills section above.

Note to Grade 11/12: An elective course (for example Yoga or MMA) can be “counted” towards CAS provided the student has a minimum of 38 periods/50 already accounted for with their other course choices.

Adventure Education (75031s)

One Semester – 0.5 credit, Pass/Fail

Grades 11, 12

Prerequisite: 2 credits of PE

In this course, students learn personal and interpersonal skills transferable to many real life situations. Experiential learning through climbing, kayaking, biking and orienteering will challenge students to acquire group management and decision making skills and apply the knowledge of leadership theory, to the area of adventure leadership. Self-awareness and developing sound leadership judgement will be emphasized. Interdisciplinary learning drawn from physical education, health and survival practices (CPR and First Aid), critical thinking, decision-making, conflict resolution, as well as reflection and problem solving make Adventure Education a powerful learning opportunity.

Independent Living (7502s)

Semester One - Gr 11 & 12

Semester Two - ONLY Gr. 11

(Due to the scheduling of Mock and Final Exams for 12th graders)

One semester – 0.5 credit, Pass/Fail

Grades 11, 12 - priority given to seniors

This fun, hands on course is for Grade 11 and 12 students to learn the basic survival skills for an independent life after JIS. Many new practical skills will be acquired such as car and home maintenance, healthy cooking, budgeting and interview skills. The underlying goal is to help students with transition skills that would be required for a healthy happy independent life, away from home.

Self Defense and Mixed Martial Arts (7520s)

One semester – 0.5 credit, Pass/Fail

Grades 11, 12

Prerequisite: 2 credits of PE

This pass/fail course is designed to expose grade 11 and 12 students to a variety of Self Defense and Mixed Martial Arts type techniques and strategies

in a fun and non-threatening environment. It will combine various elements of Boxing, Muay Thai, Brazilian Jiu Jitsu and Grappling (wrestling) and students will develop skills, understand personal defense and improve their athletic training. Students will learn self defense principles and develop strategies on how to be safe and be aware of potential dangers in their surroundings.

Personal Training 2 (7505s)

(Previously Independant Fitness and Power Fit)

One Semester – 0.5 credit, Pass/Fail

Grades 11, 12

Prerequisite: 2 Credits of PE

This pass/fail course provides students an opportunity to regularly engage in a strength and conditioning program throughout the semester. Students will be able to pursue their personal interests and passions in fitness through daily workouts and increase their personal wellness by adding balance to their lives. Emphasis will be placed on safe, functional, multi joint exercises as students learn to develop and implement their own exercise program. This course is designed for all levels of fitness, strength, and experience in the weight room. The end goal is that students become competent at a wide range of exercises and use of gym equipment so that they gain a sense of confidence and autonomy in any weight room setting.

Yoga and Wellness (7396s)

One Semester – 0.5 credit, Pass/Fail

Grades 11, 12

Prerequisite: 2 credits of PE

This class is designed to help you explore mindfulness in your own life, through Yoga, breathing, meditation, and other stress-relieving activities. The goal of the course is to improve your overall wellness, by helping balance your body, mind and spirit. This is an introductory course, therefore no prior experience or exposure is required.

Dragon Sports (75032s)

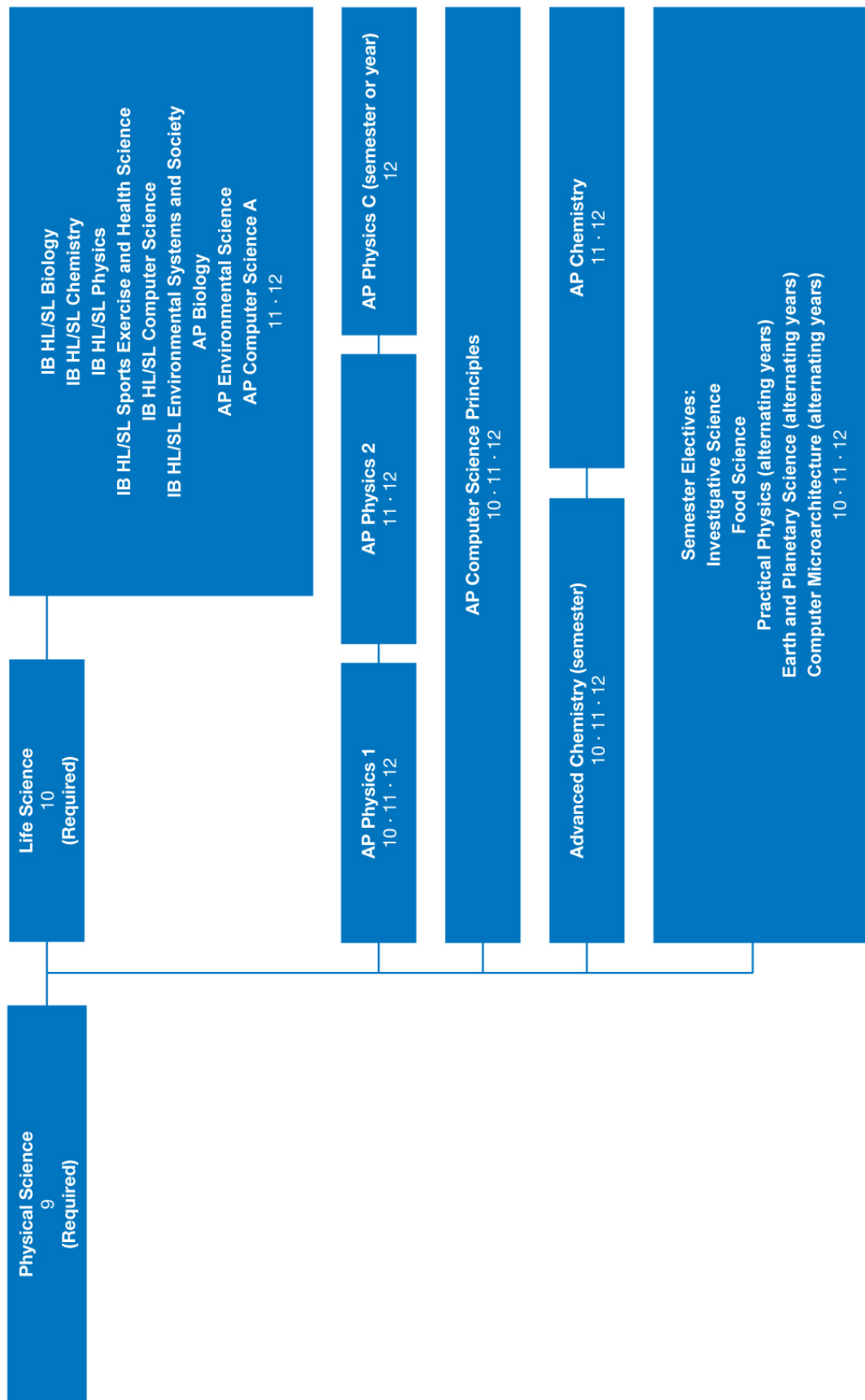
One Semester – 0.5 credit, Pass/Fail

Grades 11, 12

Prerequisite: 2 credits of PE

This class is designed to engage students in a higher-level sports environment, focusing on skills, understanding of movement, and elevated gameplay. Building off prior knowledge of offensive and defensive tactics and strategies, students will engage in both familiar and unfamiliar game situations. Students will also be exploring individual development through the application of concepts, teamwork, and leadership. No prerequisites are required, however, students need to be willing to participate in an exciting, fast-paced environment.

SCIENCE



I. SCIENCE

The Science Department believes that every student should be able to understand, use, and communicate the ideas and concepts of science. In addition, it is the intent of the science program to develop in students an awareness of the relationship between the different branches of science and of the role science plays in society.

Physical Science (61131y)

One year – 1 credit

Grade 9

Prerequisite: None

Physical Science is a foundational science course building conceptual understanding of core scientific ideas from Physics, Chemistry, and Computer Science and is a prerequisite for all other high school science courses. The course weaves introductory Computer Science concepts and applications throughout the fundamental Physics and Chemistry. Physical Science provides a foundation for further study in any scientific field while also supporting general scientific and computer literacy. Emphasis will be placed on both laboratory experimental work as well as conceptual application, often through computer modeling.

Life Science (61121y)

One year – 1 credit

Grade 10 (Required Course)

Prerequisite: Physical Science

Life Science is a foundational science course building conceptual understanding of core scientific ideas from Biology, Environmental Science, and Computer Science and is a prerequisite for all other high school science courses. The course weaves introductory Computer Science concepts and applications throughout the fundamental Biology and Environmental Science. Life Science provides a foundation for further study in any scientific field while also supporting general scientific and computer literacy. Emphasis will be placed on both laboratory experimental work as well as conceptual application, often through computer modeling.

IB S1 Biology (6821y)

One year – 1 credit

Grade 11

Prerequisite: Physical Science and Life Science

This course is the first year of the IB Standard Level Biology program. There is a strong emphasis on critical thinking skills and experimentation, which allows students to experience the nature of scientific thought and investigation. Practical activities allow students to interact directly with natural phenomena and secondary data sources. These experiences provide the students with the opportunity to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. Students will complete at least one personal investigation

in preparation for their year 2 internal assessment.

The topics covered in the first year are Cells, Biochemistry, Human Health, and Physiology.

IB S2 Biology (6823y)

One year – 1 credit

Grade 12

Prerequisite: IB S1 Biology

This second year of IB Standard Level Biology completes the IB SL syllabus, including an emphasis on exam preparation. Topics studied include Reproduction, Photosynthesis, Ecology, Evolution, and Genetics and the completion of one option. There is a strong emphasis on honing critical thinking skills, experimental design and the writing of IB lab reports. Students will complete one 10 hour long individual investigation worth 20% of their course grade to fulfill the internal assessment component of the course.

IB H1 Biology (6825y)

One year – 1 credit

Grade 11

Prerequisite: Physical Science and Life Science (grade of B or better is HIGHLY recommended).

The IB Higher Biology course, the first year of a two year program, provides a balanced survey of modern and traditional biology. It is a foundation course for further study of biology, medicine, agriculture, etc, beyond high school. There is a strong emphasis on critical thinking skills and experimentation, which allows students to experience the nature of scientific thought and investigation. Practical activities allow students to interact directly with natural phenomena and secondary data sources. These experiences provide the students with the opportunity to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings. Students will complete at least one individual investigation in preparation for their year 2 internal assessment. Topics covered in the first year are Biochemistry, Cell Biology, and Human Health and Physiology, plus a selected option. Students also participate in the IB-mandated collaborative Group 4 project.

IB H2 Biology (6830y)

One year – 1 credit

Grade 12

Prerequisite: successful completion of IB HL Biology 1

This second year of the IB Biology course completes the IB HL syllabus and prepares students for the IB examination. Topics include Human Physiology, Reproduction, Genetics, Evolution, Plant Science and Ecology. Students will complete one ten-hour long individual investigation worth 20% of their course grade to fulfill the internal assessment component of the course. Students taking this course may attend a two-night, three-day marine ecology field trip to a nearby island. This trip entails an additional cost to the student of approximately US\$350. This is an enrichment field trip and highly recommended for all students.

AP Biology (68301y)

One year – 1 credit

Grade 11 or 12

Prerequisite: Physical Science and Life Science

AP Biology is an introductory college-level biology course designed for students interested in advanced biology courses at the university level. The course is based thematically on four main ideas: The process of evolution drives the diversity and unity of life; Biological systems utilize free energy and molecular building blocks to grow, reproduce and to maintain dynamic homeostasis; living systems store, retrieve, transmit and respond to information essential to life processes; Biological systems interact and these systems and their interactions possess complex properties. Students will engage with the material through science practices such as modelling, mathematical analysis, scientific investigations, and conceptual connections. Concepts will be examined through laboratory exercises that focus on inquiry and investigation where students will develop their capacity for problem-solving and critical thinking.

IB S1 Sports, Exercise and Health Science (6400y)

One year – 1 credit

Grade 11

Prerequisite: Physical Science and Life Science.

This course combines academic study with practical and investigative skills. This course is the first year of the IB Standard Level Sports, Exercise and Health Science program. It is the first year of a two-year program designed to prepare students for the IB Higher Level examination in Sports, Exercise, and Health Science. Students will cover a range of core topics and carry out practical investigations in both laboratory and field settings. Considerable emphasis will be placed on conducting practical experiments and analyzing scientific data from various sports and exercise contexts. The topics covered in the first year include: Measurement and Evaluation of Human Performance, Anatomy, Exercise Physiology, and Energy Systems and Movement Analysis. Students will complete individual investigations in preparation for their year 2 internal assessment.

IB S2 Sports, Exercise and Health Science (6403y)

One year – 1 credit

Grade 12

Prerequisite: IB S1 Sports, Exercise and Health Science.

This second year of IB Sports, Exercise, and Health Science completes the IB Standard Level syllabus, including a strong emphasis on preparation for the final IB exam. Topics include Skill in Sport, Optimizing Physiological Performance, and Sports Psychology. A focus on practical applications of the academic course content will continue to be a significant part of this course. Students will spend considerable class time planning and carrying out an individual practical investigation which will count as 20% of their IB grade.

IB H1 Sports, Exercise, and Health Science (6410y)

One year – 1 credit

Grade 11

Prerequisite: Physical Science and Life Science (grade of B or better is HIGHLY recommended)

This course combines academic study with practical and investigative skills. It is the first year of a two-year program designed to prepare students for the IB Higher Level examination in Sports, Exercise, and Health Science. Topics include Anatomy, Physiology, Nutrition, Biomechanics, Measurement of Human Performance, the Endocrine System, and Fatigue. Considerable emphasis will be placed on conducting practical experiments and analyzing scientific data from various sports and exercise contexts. Students will complete individual investigations in preparation for their year 2 internal assessment.

IB H2 Sports, Exercise, and Health Science (6411y)

One year – 1 credit

Grade 12

Prerequisite: IB H1 Sports, Exercise and Health Science

This second year of IB Sports, Exercise, and Health Science completes the IB Standard Level syllabus, including a strong emphasis on preparation for the final IB exam. Topics include Skill in Sport, Skill Acquisition & Analysis, Genetics & Athletic Performance, Exercise & Immunity, Optimizing Physiological Performance, and Sports Psychology. A focus on practical applications of the academic course content will continue to be a significant part of this course. Students will spend considerable class time planning and carrying out an individual practical investigation which will count as 20% of their IB grade.

IB S1 Environmental Systems and Societies (6811y)

One year – 1 credit

Grade 11

Prerequisite: *Physical Science and Life Science*

This course is the first year of a two-year program of studies with the second year course being IB S2 Environmental Systems and Societies. ESS is designed to be an interdisciplinary course which combines the methods, techniques, knowledge, and rigor of a science subject with aspects of social studies. It is a complex course requiring a broad skill set. The language demand is high. Its roots are in mathematical data analysis and critical thinking; but, branches of the course extend into the politics, ethics, culture, and economics of how our environment is viewed through human eyes. The first year provides a grounding in the systems approach to the complexities of environmental functioning and goes on to focus on how the environment is conserved and used by humans as a food and energy source. Students are encouraged to develop a personal philosophy on environmental stewardship and interactions. Students will devote considerable energy to a personal choice of internal assessment project which will contribute 25% of their final IB result. These studies will include a mandatory field trip of 3-days/ 2-nights to a nearby island at an additional cost to the student of approximately U.S. \$700 (August year 2).

IB S2 Environmental Systems and Societies (6812y)

One year – 1 credit

Grade 12

Prerequisite: *Completion of IB S1 Environmental Systems and Societies required.*

This second year of IB SL Environmental Systems & Societies completes the syllabus, including an emphasis on lab work and exam preparation. There will also be preparation for Paper 1 which requires students to synthesise their understandings from 8-12 pieces of new data relating to a specific, previously unseen case study. The course investigates the impacts of human interactions on the Earth's ecological systems, thus enabling students to take an informed and responsible stance on a wide range of pressing environmental issues that are relevant to their daily lives. Topics include: resource exploitation, ozone depletion, global warming, pollution, and human population growth and its effects on the environment.

IB H1 Environmental Systems and Societies (68111y)

One year – 1 credit

Grade 11

Prerequisite: *Physical Science and Life Science (grade of B or better is HIGHLY recommended)*

This course is the first year of a two-year program of studies with the second year course being IB H2 Environmental Systems and Societies. ESS is

designed to be an interdisciplinary course which combines the methods, techniques, knowledge, and rigor of a science subject with aspects of social studies. It is a complex course requiring a broad skill set. The language demand is high. Its roots are in mathematical data analysis and critical thinking; but, branches of the course extend into the politics, ethics, culture, and economics of how our environment is viewed through human eyes. The first year provides a grounding in the systems approach to the complexities of environmental functioning and goes on to focus on how the environment is conserved and used by humans as a food and energy source. The HL course (new for 2024-25) has three HL only lenses—environmental law, environmental and ecological economics, and environmental ethics. The conceptually more demanding HL lenses allow for far more sophisticated processing and balanced viewpoints. The additional HL content requires the student to make more connections between diverse areas of the syllabus, resulting in increased networked knowledge and a comprehensive understanding of the complexities of environmental issues as well as possible strategies, solutions and management. Students are encouraged to develop a personal philosophy on environmental stewardship and interactions. Students will devote considerable energy to a personal choice of internal assessment project which will contribute 25% of their final IB result. These studies will include a mandatory field trip of 3-days/ 2-nights to a nearby island at an additional cost to the student of approximately U.S. \$700 (August year 2).

AP Environmental Science (6818y)

One year – 1 credit

Grade 11 or 12

Prerequisite: *Physical Science and Life Science*

AP Environmental Science builds on the Environmental Science or S1 Environmental Systems and Societies courses. The course is extensive, relying on students proactively reading and reviewing the material frequently. Only a proportion of the possible assessed material is covered in class, reflecting the status of AP being equivalent to a college course and requiring college-style study skills. The language demand is high, with the assessments relying on rapid reading for comprehension. There is a significant mathematical component although calculators are now permitted. The course description incorporates the impacts of human interactions on the Earth's ecological systems, thus enabling students to take an informed and responsible stance on a wide range of pressing environmental issues that are relevant to their daily lives. Topics include: biodiversity, resource exploitation, ozone depletion, global warming, pollution, and human population growth and its effects on the environment.

IB S1 Chemistry (6841y)

One year – 1 credit

Grade 11

Prerequisite: *Physical Science and Life Science*

This is the first year of a two-year program designed

to prepare students for the IB Standard Level examination in Chemistry. The following topics are covered: Stoichiometry, Atomic Theory, Periodicity, Bonding, Energetics, Kinetics, and Equilibrium. Emphasis is placed on improving experimental skills and developing the ability to analyze and express scientific ideas. Student investigations and laboratory skills are a significant and important component of the course in preparation for the individual investigation that will be undertaken in Year 2.

IB S2 Chemistry (6842y)

One year – 1 credit

Grade 12

Prerequisite: Satisfactory completion of IB S1 Chemistry

This is a continuation of IB S1 Chemistry and prepares students for the IB Standard Level examination in Chemistry. The following topics are covered: Acids and Bases, Oxidation - Reduction, Organic Chemistry, and one option from the IB Standard Level syllabus. Emphasis is placed on improving experimental skills and developing the ability to analyze and express scientific ideas. The individual laboratory investigation undertaken in this year forms 20% of the overall IB score.

IB H1 Chemistry (6845y)

One year – 1 credit

Grade 11

Prerequisite: Physical Science and Life Science (grade of B or better is HIGHLY recommended). Mathematics 2 is recommended

This is the first year of a two-year program designed to prepare students for the IB Higher Level examination in Chemistry. The following topics are covered: Atomic Structure, Chemical Bonding, Periodicity, Energetics, Kinetics, Equilibrium, Acids and Bases, and an extension of the mole concept to more complex problems. Emphasis is placed on improving experimental skills and developing the ability to analyze and express scientific ideas. Student investigations and laboratory skills are a significant and important component of the course in preparation for the individual investigation that will be undertaken in Year 2.

IB H2 Chemistry (6850y)

One year – 1 credit

Grade 12

Prerequisite: IB H1 Chemistry

This is the second year of a two-year program that is designed to prepare students for the IB examination in chemistry at the higher level. In this second year of the program, students will study: Oxidation-Reduction, Organic Chemistry, and one of the options from the HL Chemistry syllabus. In so doing, the students will also continue to extend their study of topics already covered in the first year of the course. Emphasis is placed on improving experimental skills and developing the ability to

analyze and express scientific ideas. The individual laboratory investigation undertaken in this year forms 20% of the overall IB score.

Advanced Chemistry (68352s)

One year – 0.5 credit

Grade 10-12

Prerequisite: Physical Science (recommended B or higher)

Advanced Chemistry is a rigorous semester-long preparatory course focused on building a strong foundation in mass, gas and solution stoichiometry, structure and bonding, and analytical laboratory techniques. Advanced Chemistry is the mandatory prerequisite for students planning on taking AP Chemistry in Grade 11 or 12 and is well-suited for students interested in developing the building blocks for future study in Chemistry.

AP Chemistry (6846y)

One year – 1 credit

Grade 11 or 12

Prerequisite: Advanced Chemistry

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of university. The big ideas taught in AP Chemistry are structure of matter, bonding and intermolecular forces, chemical reactions, kinetics, thermodynamics and chemical equilibrium. The emphasis is on inquiry-based learning, chemical calculations, and the mathematical formulation of chemical principles. The type of laboratory work done by students reflects the investigative nature of the course.

IB S1 Physics (6861y)

One year – 1 credit

Grade 11

Prerequisite: Physical Science and Life Science

This is the first year of a two-year course designed to prepare students for the IB examination in Physics at the Standard level. The course is organized using a problem solving and laboratory approach. Topics covered are Mechanics, Thermal Physics, Waves and Electricity.

IB S2 Physics (6862y)

One year – 1 credit

Grade 12

Prerequisite: Satisfactory completion IB S1 Physics

This second year of a two-year course and is a continuation of IB S1 Physics. It is designed to prepare students for the IB Standard Level Physics examination. Topics covered include: Magnetism, Atomic, Nuclear and Particle Physics, Energy production, and Astrophysics.

IB H1 Physics (6865y)*One year – 1 credit**Grade 11**Prerequisite: Physical Science and Life Science (grade of B or better is HIGHLY recommended) and completion of Mathematics 2*

This is the first year of a two-year course designed to prepare students for the IB examination in Physics at the Higher level. The course is organized using a problem solving and laboratory approach. Topics covered are Mechanics, Thermal Physics, Oscillations and Waves, and Electricity.

IB H2 Physics (6870y)*One year – 1 credit**Grade 12**Prerequisite: satisfactory completion of IB H1 Physics*

This is the second year of a rigorous two-year course and it continues the study of the topics which prepare students for the IB Higher Level examination in physics. Topics covered are: Magnetism, Energy production, Atomic, Nuclear and Particle Physics, Quantum and Nuclear Physics, and Astrophysics.

AP Physics 1 (6871y)*One year – 1 credit**Grade 10-12**Prerequisite: Physical Science and Life Science. For access in grade 10, grade of A or better in Honors Mathematics 1 is required.*

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy and momentum. Through inquiry based learning, students will develop scientific critical thinking and reasoning skills.

AP Physics 2 (68711y)*One year – 1 credit**Grade 12**Prerequisite: AP Physics 1*

AP Physics 2 is also an algebra-based, college-level physics course. However, it delves into some more advanced topics than Physics 1.

AP Physics 2 explores fluid statics and dynamics, thermodynamics with kinetic theory, PV diagrams and probability, electrostatics, electrical circuits with capacitors, magnetic fields, electromagnetism, physical and geometric optics, and quantum, atomic, and nuclear physics. Through inquiry based learning, students will develop scientific critical thinking and reasoning skills.

AP Physics C - Mechanics (68713s)*One year – 0.5 credit**Grade 12**Prerequisite: AP Physics 1, AP Calculus AB.**Students who do not meet the calculus requirement**may enroll given the instructor's approval after demonstrating competence in the required skills*

AP Physics C Mechanics is a semester long calculus-based, college-level physics course especially appropriate for students planning to specialize or major in physical science or engineering. It explores many of the same mechanical concepts as AP Physics 1, but at a much deeper mathematical and conceptual level. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. This course will only be taught 1st semester with co-enrollment in the full year course (68714) and will fully prepare students for the AP Physics C Mechanics exam.

AP Physics C - Mechanics and E&M (68714y)*One year - 1 credit**Grade 12**Prerequisite: AP Physics 2, AP Calculus AB.**Students who do not meet the calculus requirement, or the AP Physics 2 requirement may enroll given the instructor's approval after demonstrating competence in the required skills.*

AP Physics C Mechanics and E&M is a year long calculus-based, college-level physics course especially appropriate for students planning to specialize or major in physical science or engineering. It explores many of the same mechanical concepts as AP Physics 1 and AP Physics 2, but at a much deeper mathematical and conceptual level. In the first semester devoted to mechanics it covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. The second semester dedicated to electricity and magnetism explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. This course will prepare students for TWO separate AP exams, AP Physics C Mechanics and AP Physics C E&M.

IB S1 Computer Science (8809y)*One year – 1 credit**Grade 11**Prerequisite: Physical Science and Life Science*

S1 is designed to prepare students for the IB Standard Level examination in Computer Science. Topics studied in depth include system fundamentals, computer organization, networks, and object-oriented programming. Development of computational thinking, problem-solving, and programming skills are given significant emphasis. Students programming skills are a key component to successfully build a project required for internal assessment in year two. All IB Computer Science courses are IB Group 4 subjects.

IB S2 Computer Science (8810y)*One year – 1 credit**Grade 12**Prerequisite: IB S1 Computer Science (8809y)*

S2 is the second year of the IB Computer Science SL. The course designed to prepare students for the IB CS SL examination. Topics studied in depth include advanced object-oriented development, systems design, implementation and evaluation, and a further selected option. Project design and implementation as answer to a client's need is given emphasis. Students are expected to complete a project for the IB CS SL internal assessment. All IB Computer Science courses are IB Group 4 subjects.

IB H1 Computer Science (8821y)*One year – 1 credit**Grade 11**Prerequisite: Physical Science and Life Science (grade of B or better is HIGHLY recommended).*

H1 is the first year of the two-year course designed to prepare students for the IB Higher Level examination in Computer Science. Topics studied in depth include system fundamentals, computer organization, networks, and advanced topics in object-oriented programming. Development of computational thinking, problem-solving and programming skills are given significant emphasis. Students' programming skills are a key component to successfully build a project required for internal assessment in Year 2. Prior programming experience is required. All IB Computer Science courses are IB Group 4 subjects.

IB H2 Computer Science (8820y)*One year – 1 credit**Grade 12**Prerequisite: IB H1 Computer Science (8821y)*

H2 is the second year of the IB Computer Science HL. The course is designed to prepare students for the IB CS HL examination. Topics studied in depth include advanced object-oriented development, systems design, system implementation and evaluation, abstract data structures, resource management, control systems, and a further selected option. Project design and implementation as answer to a client's need is given emphasis. Students are expected to complete a project for the IB CS HL internal assessment. All IB Computer Science courses are IB Group 4 subjects.

AP Computer Science Principles (88302y)*One year – 1 credit**Grades 10-12**Prerequisite: Physical Science and Life Science. For access in grade 10, grade of A or better in Physical Science is required.*

Students who do not meet this requirement may enroll given the instructor's approval after demonstrating competence in the required skills.

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational and artefacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world.

AP Computer Science A (88301y)*One year – 1 credit**Grades 11, 12**Prerequisite: Physical Science and Life Science. Recommended completion of AP Computer Science Principles.*

The course is designed to prepare students for the AP examination in May. AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science through programming, prior programming experience is recommended. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Investigative Science (61110y) (61111s)*One year – 1 credit**Grades 10, 12**One year - 1 credit OR One semester - 0.5 credit
Grades 10-12**Prerequisite: No specific prerequisite. Completion of Physical Science or its equivalent is highly recommended. Completion of at least one semester of science in 10th grade is recommended.*

This course is designed for students with an interest in hands-on practical science and wishing to study a science that does not require the sitting of an external examination, such as AP or IB. The core of the course is problem-solving and investigation of topics of the student's choice. The course will emphasize skills rather than content, with the aim of making science relevant to the students and helping them understand and appreciate science in the world around them. The course will begin with the scientific method and investigative techniques – experimental, observation and research. Following this students will have many opportunities to scientifically investigate topics of personal interest using these skills and techniques.

Food Science (61112s)

One semester - 0.5 credit

Grades 10 - 12

Prerequisite: No specific prerequisite. Completion of Physical Science or its equivalent is recommended.

Food Science is a course which explores basic chemistry concepts in the context of food and its preparation. The course is meant to provide an entry point to science with direct everyday relevance to students' lives, as well as to help budding amateur chefs understand the science behind cooking. Students will be applying their learning regularly in the kitchen, cooking dishes to see the science in action and gaining culinary skills to complement their understanding.

Important note: While Grade 10s are able to select this Science course, they are reminded that US universities will want at least 2 credits of a lab science which this course does not provide. Furthermore, this science elective is not designed as a preparation course for AP/IB courses in Grade 11/12.

Practical Physics (68552s)

One semester - 0.5 credit (Offered every other year).

This course WILL NOT be offered for academic year 2024/25.

Grades 10 - 12

Prerequisite: No specific prerequisite. Completion of Physical Science or its equivalent is recommended.

Practical physics is a semester-long course that focuses on the application of physics concepts to real-world problems and situations. It covers topics such as mechanics, thermodynamics, wave motion, and electromagnetism. The course will focus on hands-on experiments and laboratory work to help students understand and apply the principles of physics and engineering in a practical setting. The course will include problem-solving exercises to give students a deeper understanding of the physical world and how it works, as well as the ability to use physics to make informed decisions.

Earth & Planetary Science (61113s)

One semester - 0.5 credit (Offered every other year).

This course WILL be offered for academic year 2024/25.

Grades 10 - 12

Prerequisite: No specific prerequisite. Completion of Physical Science or its equivalent is recommended.

Earth and Planetary Science will study the origin of our solar system to further understand Earth and its processes within the context of our planetary neighbours including orbital motion, erosional processes, tectonics and volcanism. Emphasis will be placed on real-world links to how the structure of the Earth helps explain everyday phenomena.

Important note: While Grade 10s are able to select this Science course, they are reminded that US universities will want at least 2 credits of a lab science which this course does not provide. Furthermore, this science elective is not designed as a preparation course for AP/IB courses in Grade 11/12.

Computer Microarchitecture (88303s)

One semester - 0.5 credit (Offered every other year).

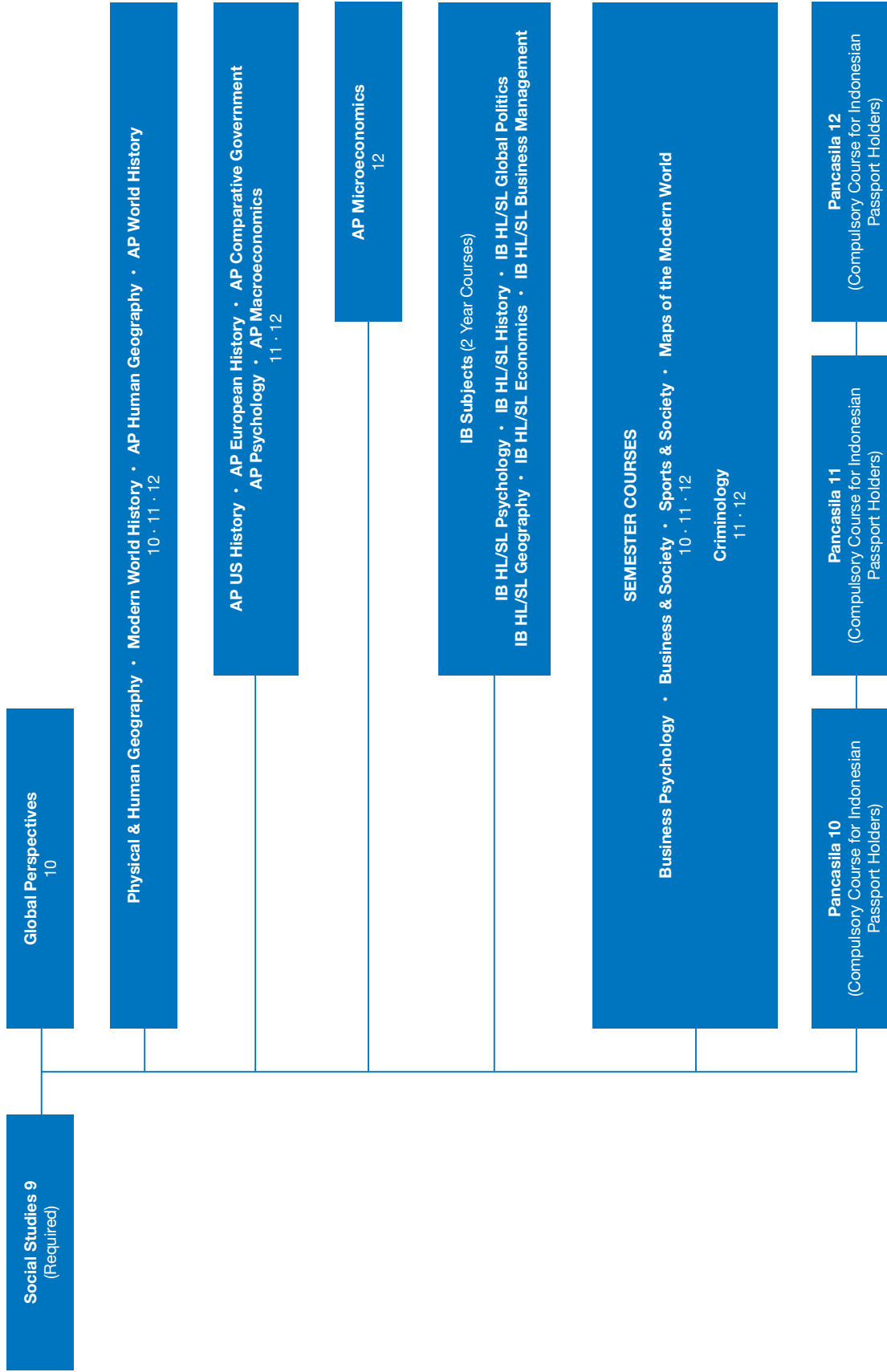
This course WILL be offered for academic year 2024/25.

Grades 11 - 12

Prerequisite: Completion or coenrollment of AP CS Principles (with instructor approval), AP CS A, or IB Computer Science.

Have you ever wondered how computers work? This course will explore the electrical and logical underpinnings of digital computation. Together, we will teach rocks to heed our every instruction through the power of rudimentary physics and elementary mathematics. Topics studied will include computer history, transistor switching behavior, Boolean algebra, logic gates, binary representation, combinational and sequential circuits, fundamental operations, machine language, program execution, and assembly programming. Concepts will be explored via hands-on activities and assessments will include project work that culminates in building a working processor in a simulator and executing custom interactive programs on it.

SOCIAL STUDIES



J. SOCIAL STUDIES

The Social Studies program offers a broad range of subjects: History, Geography, Global Perspectives, Psychology, Economics, and Business Management, all designed to help students better understand their world and role in it. While students may be members of a particular cultural group and inhabit specific environments, the Social Studies program expands their horizons, encouraging them to adopt a global perspective and responsible world citizenship.

Social Studies 9 (4153y)

One year – 1 credit
Grade 9

Social Studies 9 is a common ninth-grade course which incorporates the disciplines of history, geography, civics, and economics in an integrated approach. The course explores these disciplines through the following units:

- The Silk Roads and Global Trade
- Borders and Conflict
- Civic action from Civil Rights to Climate Change

Special emphasis in the course is placed on the development of relevant social studies skills such as analytical writing, evidence analysis, research methods, data interpretation, and oral presentation. These skills will be applied in problem solving and analysis of real-world issues.

Social Studies 9 LE (4154y)

One year – 1 credit
Grade 9

Prerequisite: a qualifying score on the WIDA placement exam and/or recommendation from staff

Social Studies 9 LE mirrors as closely as possible the content covered in Social Studies 9 (see above) and serves the same preparatory function. The chief distinction between the two courses is the greater emphasis on the development of language, with a selection of scaffolding strategies such as clear language objectives, the use of sentence stems, graphic organizers, glossaries, read aloud, word walls among other language building strategies.

Global Perspectives (4256y)

One year – 1 credit
Grade 10

Global Perspectives incorporates the various social science disciplines in an investigation of the major challenges facing our world today. Students will begin by investigating the history of human rights and attempts by different political systems to ensure those rights. Next, students will turn their attention to the field of social psychology in an attempt to determine why some groups of people are marginalized and discriminated against. In the following unit, students will evaluate the benefits and costs of modern globalization and the sustainability of large multinational corporations. They will also inquire into the efficacy of international organizations to solve the problems associated with globalization,

most notably social and environmental degradation. Finally, through a comprehensive study of media literacy, students will understand the power of the media to inform as well as to manipulate, and will explore ways of challenging the media and initiating positive change.

In short, through an inquiry approach, Global Perspectives invites students to explore answers to the following pertinent questions:

- Can political systems ensure rights for all?
- Why do human beings mistreat each other?
- How can we create a sustainable world?
- Does the media inform or manipulate?

Throughout the course special emphasis is placed on the development of relevant social studies skills such as data analysis, debate, analytical writing, public speaking, research methods, and primary source interpretation. Furthermore, students in Global Perspectives will engage in problem-solving activities, group work and the use of technology, which are all essential for students to develop the skills and attitudes necessary to face the challenges of their dynamic world.

Sports and Societies (4072s)

One semester – 0.5 credit
Grade 10, 11, 12
Prerequisite: none

As a new course, Sports and Societies units include Sports History, Sports Cultural Geography and Sports Marketing. An emphasis is placed on skills that transfer across subjects and disciplines. Skills developed and taught include: research, academic writing, discussions, presentations, videography, critical thinking skills, multimedia and more. This is a subject matter that students should find interesting and engaging and would serve as a vehicle to hone those skills.

Personal Finance (4510s)

One semester – 0.5 credit
Grade 11, 12
Prerequisite: none

Understanding and managing personal finance is the key to one's future financial success. In this semester-long elective course, students learn basic principles of business and economics in order to make informed decisions about real-world financial issues and effectively manage their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their

goals, and making responsible choices about income, expenses and investment. Real-world topics covered include income, spending and credit, banking, mortgages, as well as saving and investing. Students taking this course will learn to better prepare for their financial futures.

Geography

Maps of the Modern World (42602s)

One semester – 0.5 credit

Grade 10, 11, 12

Prerequisite: None

This exciting blended online and face to face course is offered in partnership with Georgetown University's School of Foreign Service. This class was created more than a quarter century ago to "banish geographic illiteracy from the School of Foreign Service." The aim is to achieve that goal by cementing the basic physical and political geography of the contemporary world map. Importantly, the class will provide insights to help you construct your own frameworks for understanding current world issues and coming change. In terms of content, this is the exact same course as all Georgetown SFS students are required to take. The only difference is some additional assessment tasks geared around university preparation including a mini-internal assessment.

AP Human Geography (42702y)

One year – 1 credit

Grade 10, 11, 12

Prerequisite: 9th or 10th grade English & Social Studies teacher approval advised

Students in AP Human Geography will explore how humans have understood, used, and changed the surface of Earth. They will use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. Students are expected to connect geographic concepts and processes to real-life scenarios, understand information shown in maps, tables, charts, graphs, infographics, images, and landscapes, see patterns and trends in data and in visual sources such as maps and drawing conclusions from them, and understand spatial relationships using geographic scales.

Physical & Human Geography (42704y)

One year – 1 credit

Grades 10, 11, 12

Prerequisite: None

This course will focus on the human and physical patterns, trends, and processes and how societies are shaping and affected by our environments and global interactions. The course will focus on building the technical and traditional skills of the geographer while learning about plate tectonics and their hazards, population dynamics, migration,

economic development, weather, climate, and ecosystems. There will be an opportunity for fieldwork (pandemic allowing) to gain experience in geographic investigation.

IB H1 Geography (4810y)

One year – 1 credit

Grade 11

Prerequisite: none

H1 Geography is the first year of the Higher Level IB course. Geography is a dynamic subject that explores the interactions between individuals, societies and the physical environment. Students examine a variety of patterns and trends that are related to these interactions. They develop a strong understanding of key global issues on a range of scales from local to regional, national and international. Students will examine Jakarta's urban environment in order to meet their IB internal assessment requirements. As the course progresses students enhance their reading and writing skills, as well as their ability to interpret and analyze a variety of tables, graphs, diagrams and maps. They also have the opportunity to undertake statistical calculations, and to research, process and interpret data.

Students and parents should note that, since the Indonesian field study is an essential component of the course, the trip is mandatory for all students enrolled in the course. The trip usually involves two school days and one day during the weekend and costs approximately USD 600.

IB S1 Geography (4811y)

One year – 1 credit

Grade 11

Prerequisite: none

SL Geography is a two-year IB course offered in grades 11 and 12. Geography is a dynamic subject that explores the interactions between individuals, societies and the physical environment. Students examine a variety of patterns and trends that are related to these interactions. They develop a strong understanding of key global issues on a range of scales from local to regional, national, and international. During the course students will study current issues such as population growth and migration, disparities that exist in wealth and development and how these disparities may be reduced, patterns in environmental quality and how to achieve sustainability, as well as resource consumption and conservation. Students will also conduct a field study related to one of these three themes in order to meet the IB internal assessment requirements. As the course progresses students enhance their reading and writing skills, as well as their ability to interpret and analyze a variety of tables, graphs, diagrams and maps. They also have the opportunity to undertake statistical calculations, and to research, process and interpret data.

Students and parents should note that, since the field study is an essential component of the course, the trip is mandatory for all students enrolled in the course. The trip usually involves two school days and one day during the weekend and costs approximately USD 600.

IB H2 Geography (4815y)

One year – 1 credit

Grade 12

Prerequisite: IB H1 Geography

The second year of the Higher Level IB course looks at the impact the developing and developed world have on one another and the economic, environmental, sociocultural and political consequences of their interactions. Geographic skills will continue to be reinforced at this level in preparation for the final IB examination in May. The course provides an excellent foundation for any future college level Humanities and/or Science courses.

IB S2 Geography (4812y)

One year – 1 credit

Grade 12

Prerequisite: IB S1 Geography

The second year of the Standard Level IB course continues to develop the necessary concepts and knowledge required for the course. Geographic skills will continue to be reinforced at this level in preparation for the final IB examination in May. The course provides an excellent foundation for any future college level Humanities and/or Science courses.

Careers involving Geography include Urban and Regional Planning, Tourism, Geology, Environmental Science, Resource Management, GIS Specialist, Climatologist, Meteorologist, Writer/Researcher.

History

Modern World History (42601y)

One year – 1 credit

Grades 10, 11, 12

Prerequisite: none

Primarily aimed at Grade 10 students, this exciting Modern World History elective course is also open to interested students in Grade 11 and 12.

The course challenges students to explore the various political, economic and social factors and forces behind the rise of the modern world, that have helped mould the world we know today. Beginning with the dramatic twin impacts of the French and Industrial revolutions, the course entertains world history, with a strong emphasis on phases of Asian and Indonesian history in particular. History is not merely about events of the past, it entertains our understandings and interpretations - essentially a study of human behaviours and actions. Furthermore,

students of Modern World History will come out with a solid grasp of the key skills needed for study at further Social Studies levels, such as analytical writing, research methods, source analyses, (varied) presentation methods, and a key component of this is the coordination with the 'National History Day' programme. From Indonesian independence to the First World War to colonial forces to the fall of the Berlin Wall, Modern World History will provide a true appreciation of where we are, where we are from, and where we are going.

AP World History: Modern (4361y)

One year – 1 credit

Grades 10, 11, 12

Prerequisite: 9th or 10th grade English & Social Studies teacher approval advised

In AP World History: Modern; students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

AP U.S. History (4360y)

One year – 1 credit

Grades 11, 12

Prerequisite: 10th grade English & Social Studies teacher approval advised

Advanced Placement United States History provides students with an intensive study of the major issues in American history from its colonial origins to the present. While the course presents a broad introduction to major historical themes – the cross-cultural impact of European colonization, the causes of the colonial revolt, the establishment of the world's first democratic republic, the crisis of the Civil War, the United States' rise to world power in the 20th century – it also examines the varied and often conflicting viewpoints held by individual Americans in their struggle to define the American experience. Assessments are focused on analytical reading of primary and secondary sources which students must synthesize into critical writing responses.

AP European History (43611y)

One year – 1 credit

Grades 11, 12

Prerequisite: 10th grade English & Social Studies teacher approval advised.

Offered every other year - 2024/25 school year and then again in 2026/27

This course gives students the opportunity to study European history since 1450. It introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the world in which they live. The course emphasizes interdisciplinary connections, examining the role that the arts, philosophy, science, and literature influenced political and economic decisions made at the time. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (A) an understanding of some of the principal themes in modern European history, (B) an ability to analyze historical evidence and historical interpretation, and (C) an ability to express historical understanding in writing.

IB H1 History (4825y)

One year – 1 credit

Grades 11

Prerequisite: None

The 20th Century was a period of global conflict featuring world wars, numerous localized wars and civil wars, as well as the 45 year long Cold War. This course begins with an examination of the causes and effects of World War I. The course then goes on to examine the emergence of authoritarian leaders, first in Europe with the rise of Hitler and then also in Asia with the leadership of Mao, and how these leaders rose to power partially as a result of the conflicts and the peace settlements that ultimately failed to maintain international relations. Topics of detailed study with a focus on document analysis will include the Japanese expansion in East Asia (1931 – 1941) and German and Italian expansion (1933 – 1940) and how expansion and other factors led to World War II. In addition to world wars, students will gain a deeper understanding of the causes, effects and roles of foreign intervention in the Spanish and Chinese civil wars. Furthermore, because this is a Higher level course, students will begin an in depth analysis of Asian history, specifically the topic of: The People's Republic of China (1949 – 2005). Emphasis is placed on analyzing these historical events, use of relevant and detailed historical evidence and historiography in essay writing and document interpretation. In addition, the students, in order to fulfill the IB requirements of the internal assessment, will start an in-depth study of a selected history topic which will be completed in the second year of the course.

IB S1 History (4821y)

One year – 1 credit

Grade 11

Prerequisite: None

The 20th Century was a period of global conflict featuring world wars, numerous localized wars and civil wars, as well as the 45 year long Cold War. This course begins with an examination of cross-regional wars, first between Japan & Russia, and then with the First World War. The course then goes on to examine the emergence of Single-Party states, first in Europe and then also in Asia, and how these

contribute to and result from the conflicts which wracked the century and the peace settlements that ultimately failed to maintain international relations. Topics of detailed study will include the Japanese expansion in East Asia (1931 – 1941) and German and Italian expansion (1933 – 1940). Emphasis is placed on analyzing these historical events, use of relevant and detailed historical evidence and historiography in essay writing, and document interpretation. In addition, the students, in order to fulfill the I.B. requirements of the internal assessment, will start an in-depth study of a selected history topic.

IB H2 History (4832y)

One year – 1 credit

Grade 12

Prerequisite: IB H1 History

In year two the course will focus on the Cold War (1945-1991) and how the rivalries between the superpowers led to Cold War crises, which risked nuclear war in different regions of the world. Students will also analyze the causes, nature of and impact of proxy wars; the Korean War (1950-1953), the Vietnam Wars (1946-1954 and 1956-1975), and the Soviet-Afghan War (1979-1989). With an emphasis on the role of leaders, students will evaluate the effectiveness of detente policies and debate who bears responsibility for the end of the Cold War. Furthermore, as a Higher level course, students will continue the detailed study of Asian history, specifically the topics Cold War Conflicts in Asia and of the impact of World War II on Southeast Asia, including the rise of nationalist movements and leaders such as Sukarno and Ho Chi Minh. Students will continue developing their writing skills with a focus on evaluating a variety of perspectives and will complete their internal assessment, a research paper on a chosen area of study.

IB S2 History (4822y)

One year – 1 credit

Grade 12

Prerequisite: IB S1/H1 History

In year two the course will focus on the Cold War (1945-1991) and how the rivalries between the superpowers led to Cold War crises, which risked nuclear war in different regions of the world. Students will also analyze the causes, nature of and impact of proxy wars; the Korean War (1950-1953), the Vietnam Wars (1946-1954 and 1956-1975), and the Soviet-Afghan War (1979-1989). With an emphasis on the role of leaders, students will evaluate the effectiveness of detente policies and debate who bears responsibility for the end of the Cold War. Furthermore, students will continue the study of Asian history, the impact of World War II on Southeast Asia, including the rise of nationalist movements and leaders such as Sukarno and Ho Chi Minh. Students will continue developing their writing skills with a focus on evaluating a variety of perspectives and will complete their internal assessment, a research paper on a chosen area of study.

Politics

AP Comparative Government (44105y)

One year – 1 credit

Grade 11, 12

Prerequisite: None

Offered every other year - 2024/25 school year and then again in 2026/27

AP Comparative Government allows students to delve into the political structures of China, Iran, Mexico, Nigeria, Russia, and the United Kingdom by examining and comparing their approaches to global and socioeconomic issues. The course explores the themes of power and authority, legitimacy and stability, democratization, internal/external forces, and methods of political analysis through various disciplinary approaches. Students will learn how to define and describe major political concepts, analyze patterns of political processes and behavior and their consequences, and compare and contrast political institutions and processes across countries. Topics of study include political systems, regimes, and governments; political institutions; political culture and participation; party and electoral system and citizen organization; as well as political and economic changes and development.

AP US Government & Politics (43601y)

One year – 1 credit

Grade 11, 12

Prerequisite: None

AP U.S. Government & Politics students delve into the American political system's intricacies, exploring the United States government's foundations, principles, and functioning. This course equips students with a comprehensive understanding of the U.S. Constitution, the federal structure, and the political processes that shape the nation. Through in-depth analysis of historical documents, landmark Supreme Court cases, and contemporary political events, students develop critical thinking skills to assess the impact of government policies on society. Emphasis on analytical writing and argumentation prepares students to navigate complex political landscapes and become informed, active citizens.

IB H1 Global Politics (44101y)

One year – 1 credit

Grade 11

Prerequisite: none

Global politics is an exciting, dynamic subject that draws on a variety of disciplines in the social sciences and humanities, reflecting the complex nature of many contemporary political issues. The four core units of the course cover: Power, Sovereignty and International Relations, Human Rights, Development, and Peace and Conflict. The Internal Assessment task encourages students to actively engage with political issues and ideas outside of the classroom and can take the form of interviews, internships,

political simulations and investigations. HL students will address two topics among: Environment, Poverty, Health, Identity, Borders and Security in two ten-minute presentations.

IB S1 Global Politics (44102y)

One year – 1 credit

Grade 11

Prerequisite: none

Global politics is an exciting, dynamic subject that draws on a variety of disciplines in the social sciences and humanities, reflecting the complex nature of many contemporary political issues. The four core units of the course cover: Power, Sovereignty and International Relations, Human Rights, Development and Peace and Conflict. The Internal Assessment task encourages students to actively engage with political issues and ideas outside of the classroom and can take the form of interviews, internships, political simulations and investigations.

IB H2 Global Politics (44103y)

One year – 1 credit

Grade 12

Prerequisite: IB H1 Global Politics

The second year of the Higher Level IB course continues to develop the necessary concepts and knowledge required for the course. Academic writing and presentation skills will continue to be reinforced at this level in preparation for the final IB examination in May.

IB S2 Global Politics (44104y)

One year – 1 credit

Grade 12

Prerequisite: IB S1 Global Politics

The second year of the Standard Level IB course continues to develop the necessary concepts and knowledge required for the course. Academic writing will continue to be reinforced at this level in preparation for the final IB examination in May.

Psychology

Business Psychology (48481s)

One semester – 0.5 credit

Grades 10, 11, 12

Prerequisite: none

Business is about people: for organizations to flourish, managers need to know how to identify and develop the right people, and how to communicate with, lead and motivate them.

In this course we will investigate questions such as:

- How do managers at successful companies like Google and Apple motivate their people?
- What forms of leadership are the most effective, and what are the most important factors in teamwork?

- How do leaders use psychology findings to select their applicants and reward their workforce?
- How can we improve the work environment to avoid the dangers of stress and work-related illness?
- What factors influence our decision making?

Students will explore relevant case studies, key research findings and solve real-life work related problems. They will learn how to write their CV, develop their presentation skills and negotiation techniques so that they become inspirational leaders. Students taking Psychology, Economics, or Business Studies may enjoy this course.

Criminology (48483s)

One year – 0,5 credit

Grades 11, 12

Prerequisite: none

In this interdisciplinary course, students will explore the field of criminology by examining real-world crimes and cases. Through the analysis of these examples, students will gain a deeper understanding of the theories surrounding human behavior, crime, and punishment. Throughout the course, students will engage in critical discussions and debates, investigating questions such as:

- Are criminals born or made?
- What is the definition of crime and how does it vary across different cultures and societies?
- How do social and economic factors influence crime?
- What are the different theories of criminal behavior and how do they explain the causes of crime?
- How do law enforcement agencies and the criminal justice system respond to and deal with crime?
- What are the various forms of punishment and rehabilitation for offenders and how effective are they?
- What are the current issues and debates in criminology and criminal justice?
- How does crime and justice vary cross-nationally?

AP Psychology (4848y)

One year – 1 credit

Grades 11, 12

Prerequisite: none

Advanced Placement Psychology introduces students to the scientific study of human behavior and mental processes. It is the equivalent to an 'Introductory' college level course. The course reflects an American approach to psychology in which 14 topics are taught. These include: biological bases of behavior, sensation and perception, consciousness, learning, memory, emotion, personality, intelligence, abnormal behavior, and social psychology.

IB H1 Psychology (4840y)

One year – 1 credit

Grade 11

Prerequisite: none

This course is the first year of the two-year IB Higher level syllabus. IB Psychology at Higher level is offered to students who have an interest in the systematic study of human behavior and mental processes. Through scientific study and research, psychology explores biological, social, cognitive and cultural influences on behavior and demonstrates how these apply to psychological functioning and behavior. Students in the first year of the Higher course are required to study three approaches in psychology: biological, cognitive, and sociocultural. The study of the biological, cognitive and the sociocultural approaches comprises the core of the psychology course.

IB S1 Psychology (4846y)

One year – 1 credit

Grade 11

Prerequisite: none

This course is the first year of the two-year IB Standard level syllabus. IB Psychology at Standard level is offered to students who have an interest in the systematic study of human behaviour and mental processes. Through scientific study and research, Psychology explores biological, social, cognitive and cultural influences on behaviour and demonstrates how these apply to psychological functioning and behaviour. Students in the first year of the course are required to study three approaches in psychology: Biological, Cognitive, and Sociocultural. The study of these three approaches comprises the core of the Psychology course.

IB H2 Psychology (4845y)

One year – 1 credit

Grade 12

Prerequisite: IB H1 Psychology

The second year of Higher Level psychology expands on students' existing knowledge of the core approaches to include two psychological options, from a choice of Abnormal, Developmental, Health, and/or Human Relationships. The theory relating to qualitative research methods in psychology is examined as an additional unit of study.

Internal assessment (20% of the final grade) requires students to partially replicate one experiment in psychology by conducting the study, analysing the data using inferential statistics and reporting on the findings.

IB S2 Psychology (4847y)*One year – 1 credit**Grade 12**Prerequisite: IB S1 Psychology*

The second year of Standard Level psychology expands on students' existing knowledge of the core approaches to include one psychological option, from a choice of Abnormal, Developmental, Health, Human Relationships and Sport Psychology. Internal assessment (25% of the final grade) requires students to partially replicate one experiment in psychology by conducting the study, analyzing the data using descriptive statistics and reporting on the findings.

Business & Economics

Business and Society (4071s)*One semester– 0.5 Either Social Studies credit OR Elective credit (students can nominate this course for either but not both)**Grades 10, 11, 12**Prerequisite: None*

Business and Society is an interdisciplinary course for students in Grades 10, 11, or 12 who are interested in understanding the foundations of the relationship between businesses and their effects on society. This is a project based course where students develop marketing plans that incorporate social media and other business communication tools. By the end of the course students will develop business plans and some may choose to develop these into actionable plans for real-life businesses. Students will also learn about business financing and strategic planning. Students should be prepared to present in group settings and work collaboratively with both JIS internal and external business partners.

IB H1 Business Management (4870y)*One year – 1 credit**Grade 11**Prerequisite: None*

This IB course provides students with an in-depth understanding of the ways in which individuals and groups interact in a dynamic business environment. Understanding how businesses are managed in order to achieve various goals not solely related to profit is of vital importance in today's globalizing world. In the first year, students study the historical evolution of business firms, policies related to distribution and marketing, and the dynamic interplay between the external environment and the business firm. Students also gain an understanding of basic business principles, practices and skills. Furthermore, by learning the application of tools and techniques of analysis, students enhance their understanding of the complex business environment. Finally, in order to apply their knowledge and skills to real world situations, students examine case studies and significant decisions in business history. This Course

represents the first year of a two-year program leading to the IB Business and Management Higher Level examination.

IB S1 Business Management (4871y)*One year – 1 credit**Grade 11**Prerequisite: None*

IB Business and Management at Standard Level is designed to give students a foundation in management principles, practices, and skills and to develop an awareness of the ethical and social responsibility issues that exist in business and other organizations both domestically and internationally. Emphasis is also placed on understanding the business functions of marketing, human resource management, and finance. Students will be able to make sense of the forces that affect our multicultural business world. Finally, in order to apply their knowledge and skills to real world situations, students examine case studies and significant decisions in business history. This course represents the first year of a two-year program leading to the IB Business and Management Standard Level examination.

IB H2 Business Management (4875y)*One year – 1 credit**Grade 12**Prerequisite: IB H1 Business and Management*

In the second year, the students continue to study business firms and their policies related to technical innovation, human resource management, and finance. This course extends the concepts of the Year 1 course with respect to acquisition of skills and knowledge. Throughout the year, the course maintains a sharp focus on how to make decisions considering their impact on both the internal and external environment. An important component of this course is the research project that allows the students to apply their knowledge and skills to organizational issues and decision-making processes. The completion of this two-year course provides an excellent foundation for students who wish to take commerce-related courses in the university.

IB S2 Business Management (48711y)*One year – 1 credit**Grade 12**Prerequisite: IB S1 Business and Management*

In the second year, the students continue the rigorous and critical study of the ways in which individuals and groups interact in a dynamic business environment. It is an academic discipline that examines how business decisions are made and the impact of these decisions on internal and external environments. Business and Management provides students with the skills to make sense of the circumstances that drive change in an interdependent and multicultural world. Emphasis is placed on the ideals of international cooperation and responsive citizenship. This course extends the concepts of

the Year 1 course with respect to acquisition of skills and knowledge. The Standard Level course is designed for any students who have an interest in the world around them and who wish to develop skills of analysis and evaluation that they can apply to international real-world situations.

AP Macroeconomics (4859y)

One year – 1 credit

Grades 11, 12

Prerequisite: None

This course introduces students to the field of economics via macroeconomics. Through taking this course students will gain an excellent understanding of the factors affecting the level of economic activity in nations, and the economic policy making that can be conducted to improve nations' living standards. Together with the short-term trade off between unemployment and inflation, the course also covers the recent shift in macroeconomic emphasis from ad hoc attempts to steer the economy with fiscal and/or monetary policies, to setting the right policy conditions for long run stability and growth. Students will be assessed by the AP College Board with an external examination in May. This course specifically prepares students for the AP Macroeconomics examination and there is an expectation that students will take this exam.

AP Microeconomics (4860y)

Each year – 1 credit

Grade 12

Prerequisite: (strongly recommended to take AP Macroeconomics first)

This course provides an excellent foundation for the future college level study of microeconomics. Building from the introductory microeconomic concepts students have covered in the macroeconomics course, students will examine in detail of economic behavior of individuals, firms, and markets. It begins with consumer theory, examining why people like goods and services and how they behave. It progresses to firm theory (e.g. production and costs), exploring such concepts as diminishing marginal productivity and economies of scale, as well as examining particular market types such as price takers, monopolies, and oligopolies. The course closes with capital and resource markets (e.g. wages, benefits, income, as well as natural resources). It often includes special applications such as market failures (e.g. externalities, public goods, information problems which are at the heart of many business/government and environmental issues), poverty, health care, education, social security, etc. This course specifically prepares students for the AP Microeconomics examination and there is an expectation that students will take this exam.

IB H1 Economics (4854y)

Each year – 1 credit

Grade 11

Prerequisite: None.

Economics is all around us. It covers almost every aspect of life today; from how much money you have in your pocket to the cause of wars in distant lands. In today's world it is essential to understand how the global economy works from the macro to the micro level. Economics Higher 1 places everyday financial matters in the wider context of the sometimes mysterious economic forces that shape our lives, tracing the emergence of economic doctrines and explaining how economic systems worked in the past and how they work today. This class begins the process through the first year's study of the "big picture" in the world of economics. While the IB Higher Economics syllabus follows the same five broad sections as the IB Standard course, greater time, depth and analysis is spent on each section.

IB S1 Economics (4851y)

One year – 1 credit

Grade 11

Prerequisite: None

Individuals, firms and governments must constantly make choices that will affect both their own economic well-being and that of society as a whole. Economists examine how such choices are made, the consequences of these choices and develop models and ways of thinking to ensure that the most socially beneficial decisions are made. The IB Standard Level Economic course provides a general introduction to the study of economics. It covers the first two of the four broad sections of the IB economics syllabus: microeconomics, macroeconomic arguments, international issues and development economics.

IB H2 Economics (4865y)

Each year – 1 credit

Grade 12

Prerequisite: IB H1 Economics.

The modern world economy binds together all regions of the globe, from the very rich to the very poor. Globalization and its effects on the world is just one of the many micro topics that are strategically analyzed in this class. While it is extremely important to understand the "big picture" particular emphasis is placed on how financial institutions work, how wealth is created and distributed, how economics relates to politics, and how the global economy works that ties together everyone on the planet. This course provides an excellent foundation for future college level study of both macro and microeconomics. Students may elect to take the IB Higher level and/or AP Macro/Micro economics examinations after completing the two-year Higher Level study program of economics.

IB S2 Economics (4853y)*One year – 1 credit**Grade 12**Prerequisite: IB S1 Economics*

This second year of the standard course covers the final two of the four broad sections of the IB economics syllabus: international issues and development economics. We seek to understand the modern world economy and how it binds together all regions of the globe, and how countries are interconnected through trade and financial flows in which changes in one country can impact other countries far removed. We learn how the economic conditions and living standards of populations throughout the globe differ wildly, development economics will seek to understand why and provide economic solutions to improving living standards of the populations of the world.

Pancasila**Pendidikan Pancasila dan Kewarganegaraan (PPKn) 10 (43307y)***One year – 0.5 credit**Grades 10*

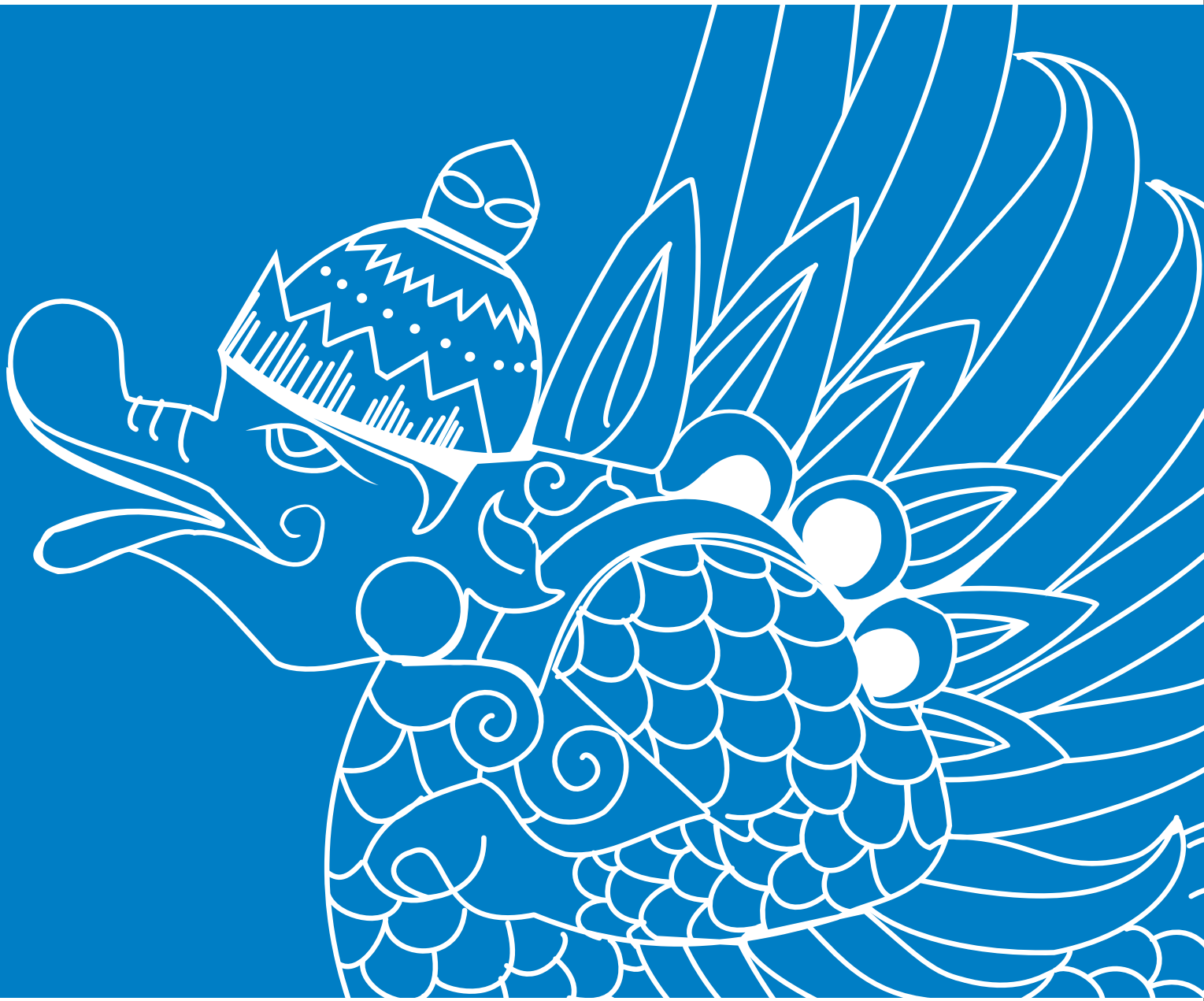
This course is mandatory for all Grade 11 Indonesian passport-holders. Students will explore further into topics pertaining to Pancasila, the state philosophy, and the values that shape Indonesia. Students will also learn about human rights and citizenship issues in line with the Indonesian national curriculum.

Pendidikan Pancasila dan Kewarganegaraan (PPKn) 11 (43305y)*One semester– 0.5 credit**Grades 11*

This course is mandatory for all Grade 11 Indonesian passport-holders. Students will explore further into topics pertaining to Pancasila, the state philosophy, and the values that shape Indonesia. Students will also learn about human rights and citizenship issues in line with the Indonesian national curriculum.

Pendidikan Pancasila dan Kewarganegaraan (PPKn) 12 (43306y)*One semester– 0.5 credit**Grades 12*

This course is mandatory for all Grade 12 Indonesian passport-holders. Students will explore further into topics pertaining to Pancasila, the state philosophy, and the values that shape Indonesia. Students will also learn about human rights and citizenship issues in line with the Indonesian national curriculum.



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