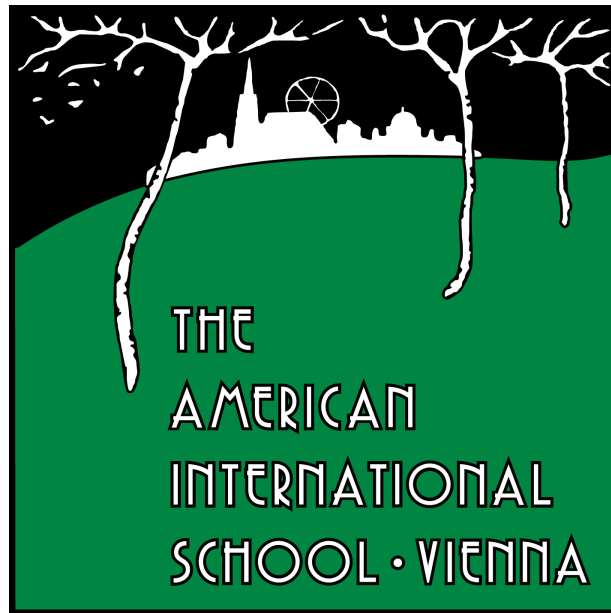


HIGH SCHOOL COURSE  
DESCRIPTION HANDBOOK

2018-2019



## MISSION STATEMENT

Within the rich cultural context of Austria, AIS Vienna:

**NURTURES** an **INCLUSIVE** learning community  
**CHALLENGES** students to strive for personal excellence and to explore their passions  
Fosters **RESPECT** through compassion for others and our world

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## ACADEMIC CREDIT AND GRADUATION REQUIREMENTS FOR U.S. DIPLOMA

All students at AIS Vienna must fulfill requirements for the U.S. Diploma, and may, in addition, prepare for the full IB Diploma or IB subject courses (formerly known as certificates). Currently the Ministry of Education is making changes to the Austrian Matura system. As a result Nostrification of the International Baccalaureate Diploma is offered for students looking to study certain subjects at Austrian Universities. Those looking to attend university in Austria should speak with their counselor to identify if Nostrification is required.

### A. CREDITS REQUIREMENTS

1. All full-year courses that meet for 4 blocks per rotation earn 1 credit. Credits are awarded each semester separately.
2. One-semester courses earn a 0.5 credit.
3. Students must earn 24 credits based on the distribution below in order to graduate with a U.S. diploma. This is a minimum requirement. Students are encouraged to choose as many courses as their ability and time dictate.
4. Students in Grades 9 and 10 must take a minimum of 8 courses per year. Ninth and tenth grade students do not have free blocks without extenuating circumstances.
5. Juniors must choose 7 courses. IB Diploma candidates are to enroll in an additional semester course first semester. One of the seven courses, only for full IB Diploma candidates, may be an IB language course, which is part of the student's diploma program and taught outside of the regular school curriculum.
6. Seniors, to be considered full-time students, must enroll in 6 courses. One of the 6 courses, only for full IB Diploma candidates, may be an IB language course, which is part of the student's diploma program and taught outside of the regular school curriculum. IB Diploma candidates are to enroll in an additional semester course, second term upon completion of Theory of Knowledge (TOK).

### B. REQUIRED CREDITS AND GRADE LEVEL STATUS

<b>Students are in:</b>	<b>... when they have completed:</b>
Grade 10	6 credits in teacher-taught high school level courses
Grade 11	12 credits in teacher-taught high school level courses
Grade 12	18 credits in teacher-taught high school level courses

In rare cases, a student with less than 18 credits may be provisionally placed in grade 12, if courses needed for graduation can be scheduled.

Students must attend AIS for the full academic year of Grade 12, in order to graduate from AIS.

### C. U.S. HIGH SCHOOL DIPLOMA REQUIREMENTS

Below are the requirements for earning an AIS U.S. Diploma. While these are minimum requirements, students are encouraged to take courses beyond the minimum in order to complete a well-rounded, rigorous, academic program.

Subject	Credits	Notes
English	4	Students must take one English course each year. (Non-native speakers must complete IB English B HL II or a similar IB English A course.)
Modern Language <ul style="list-style-type: none"> <li>• German</li> <li>• French</li> <li>• Spanish</li> </ul>	2	At least two consecutive years of a Modern Language are recommended. Native German speakers must study German in Grade 9. (Exceptions to the credit requirement will be made for EAL students who demonstrate spoken and written proficiency in a modern language not offered at AIS Vienna.)
Social Studies	3	It is recommended 2 of the 3 credits in Social Studies come from history courses.
Science	3	4 years recommended for college preparation .
Mathematics	3	4 years recommended for college preparation .
The Arts	2	Includes Visual and Performing Arts.
Physical Education	2	All PE classes include a Health unit.
Electives	5	All courses beyond the required distribution listed above earn elective credit.
<b>TOTAL CREDITS</b>	<b>24</b>	

### D. U.S. HIGH SCHOOL DIPLOMA WITH IB COURSES

Students completing a U.S. Diploma may enroll in IB Diploma courses, and complete the examination after the two year program of study. The student is normally required to complete all components for the individual subject coursework including external and internal assessments. An IB Course grade, 1-7, will be awarded with subsequent documentation from the IB organization. Please note that for some subject areas in Grades 11 and 12, IB subjects may be the only option as a further course of study. Students are encouraged to choose subjects based on their strengths and interests.

### **E. AUDITING**

Under special circumstances, a student may audit a course with the instructor's and counselor's permission. An agreement shall be formalized between the student, parent, teacher, and counselor. Audits must be determined at the start of the course. A grade of AUD will appear on the report card. No grade point value or credit will be awarded for audited courses.

### **F. INDEPENDENT STUDY (COURSE NUMBERS BETWEEN 2900 AND 2929)**

Students may study a course as an independent study under exceptional circumstances. A contract will outline the requirements and workload for the course. The contract must be agreed upon by the student, parent, counselor, and supervising teacher. As a rule, independent studies are not permitted when the course is offered at AIS. Independent study courses are graded on a Pass/Fail basis and are not included in GPA calculation.

### **G. TRANSFER OF CREDITS**

Students may receive credit towards AIS graduation for high school courses the student passed at other schools. A maximum of 8 (eight) credits per school year will be awarded for work completed at other schools. Because grading criteria and systems vary from one school to another, grades earned at other schools are not included in the calculation of the AIS Grade Point Average. (GPA).

### **H. SUMMER SCHOOL COURSES**

Students may apply summer courses towards AIS credit only for the purpose of credit recovery. The following conditions must be met:

- Prior to starting the course, the course must be pre-approved for AIS credit by the High School Principal.
- Upon completion of the course, official transcripts must be submitted to the High School Office, verifying successful completion.

## THE INTERNATIONAL BACCALAUREATE

The International Baccalaureate (IB) Diploma Program is a rigorous two-year course of study designed to provide international students with a diploma recognized by many universities throughout the world. The IB Diploma Program grew out of the need for an appropriate curriculum that would meet the requirements of diverse national systems.

The International Baccalaureate Diploma consists of six examinations; three completed at Higher Level (HL), and three at Standard Level (SL). Students take all six examinations in their final year of the program. Students must select courses from each of the Groups 1-5, and a sixth course, either from Group 6 or a second course from Groups 1-4.

*Special testing accommodations are available for students with documented special needs. The IB Organization requires psycho-educational assessments detailing the recommended accommodations. Testing and requests for accommodations should be completed at least 18 months in advance of the examination dates.*

### IB Diploma Program Course Offerings

Group	Course Options	Levels Offered at AIS	
		HL	SL
Group 1 Studies in Language and Literature	English A: Literature	HL	SL
	English A: Language and Literature		SL
	German A: Literature	HL	SL
	German A: Language and Literature	HL	SL
	Mother Tongue A: Literature (tutorial)	HL	SL
	Mother Tongue A: Language and Literature (tutorial)	HL	SL
Group 2 Language Acquisition	English B	HL	
	German B	HL	SL
	French B	HL	SL
	Spanish B		SL
Group 3 Individual and Societies	Economics	HL	SL
	History of Europe	HL	SL
	Psychology	HL	SL
Group 4 Sciences	Biology	HL	SL
	Chemistry	HL	SL
	Physics	HL	SL
Group 5 Mathematics	Mathematics	HL	SL
	Mathematical Studies		SL
Group 6 The Arts	Visual Arts	HL	SL
	Theater Arts A second choice from Groups 1-4 may also be selected	HL	SL

Full IB Diploma candidates must take all IB courses in the final two years of high school, culminating in the final examinations at the end of grade 12. IB courses, or formerly known as certificates, may be completed earlier depending upon the student's progress and recommendations from the teacher, counselor and/or Dean of Curriculum & IB Coordinator.

Additionally, IB Diploma program students must also complete:

- Theory of Knowledge (TOK) I, and II,
- Extended Essay in one of the student's IB subjects, and
- "CAS" (creativity, activity, service), including a long term service project lasting at least one semester.

Scores from 1 to 7 awarded for each of the six IB examinations are totaled along with the possibility of an additional 1 to 3 points for theory of knowledge and the extended essay. The IB Diploma is awarded to students who earn at least 24 points, subject to certain minimum levels of performance across the whole program. There are some scores and certain combinations of scores, however, that may prevent a student from receiving the Diploma, even when the total exceeds 24 points. Please note that universities may require a greater total score as well as specific scores for some HL subjects for entry.

Depending upon the course of study as well as the country of destination, it may be necessary for a student to enroll in a course for which they may not be recommended. Students should engage in discussions with their teachers and parents in consultation with the IB DP Coordinator and counselors in order to determine the appropriate course and level.

11th and 12th Grade IB Diploma candidates may elect to enroll in specific elective courses for CAS rather than earn credits towards the U.S. Diploma. Courses taken for CAS credit will not appear on a student's transcript. Intention to register for a course for CAS must be done through a formal registration process within the first two weeks of each semester. The subject-specific forms are available through ManageBac.

Since the requirements for admissions to university vary between countries, it is strongly recommended that a student contacts the university of interest before starting the IB Diploma program. There may be requirements, e.g. for specific subjects to be taken at Higher Level, a minimum level for mathematics, or a minimum level of total points awarded.

Please note based upon the information from the ministry the IB Diploma generally does not require "nostrification" for university admission except for the following degrees: psychotherapy, "Fremdenführung" or studies and training for tourist guides, "Staatsdienst" or diplomatic and government services, and pedagogical studies. Please note that application for "nostrification" must be completed through the [Bundesministerium für Bildung, Wissenschaft, und Forschung](#).

For more information regarding the IB Program at AIS, see the "IB Manual for The American International School · Vienna".

## INTERNATIONAL BACCALAUREATE COURSE SEQUENCES & OPTIONS

	Grade 9	Grade 10	Grade 11	Grade 12
<b>ENGLISH</b>	English 9	English 10	IB English A: Literature SL I or HL I	IB English A: Literature SL II or HL II
	English 9	English 10	IB English A: Language and Literature SL I	IB English A: Language and Literature SL II
	EAL Lit 9	EAL Lit 10	IB English B HL I	IB English B HL II
<b>MODERN LANGUAGES</b>	German Native 9 or German Advanced A	German Native 10 or German Advanced B	IB German A: Literature SL/HL I or IB German A: Language and Literature SL/HL I	IB German A: Literature SL/HL II or IB German A: Language and Literature SL/HL II
	German Advanced A	German Advanced B	German B HL I	German B HL II
	German Basic B	German Intermediate A	IB German B SL I	IB German B SL II
	German Intermediate B	German Intermediate C	IB German B HL I	IB German B HL II
	French Basic B	French Intermediate A	IB French B SL I	IB French B SL II
	French Intermediate B	French Intermediate C	IB French B HL I	IB French B HL II
	Spanish Basic B	Spanish Intermediate A	IB Spanish B SL I	IB Spanish B SL II
<b>SOCIAL STUDIES</b>	World History 9	Modern European History or US History	IB History SL/HL I	IB History SL/ HL II
	World History 9	Modern European History or US History	IB Economics SL/HL I	IB Economics SL/HL II
	World History 9	Modern European History or US History	IB Psychology SL/HL I	IB Psychology SL II or IB Psychology HL II
<b>SCIENCE</b>	Introduction to Physical Science (IPS)	Chemistry	IB Biology SL/HL I	IB Biology SL II or IB Biology HL II
	Introduction to Physical Science (IPS)	Biology or Chemistry or Physics	IB Physics SL/HL I	IB Physics SL II or IB Physics HL II
	Introduction to Physical Science (IPS)	Biology or Chemistry or Physics	IB Chemistry SL/HL I	IB Chemistry SL II or IB Chemistry HL II



<b>MATHEMATICS</b> **Students enrolled in the full diploma must take the exam for IB Math HL II in Grade 12.  ***Future changes to the IB Mathematics curriculum for first teaching 2019-2020.	Algebra	Constructive Geometry	IB Mathematical Studies SL I	IB Mathematical Studies SL II
	Algebra	Geometry	IB Mathematical Studies SL I	IB Mathematical Studies SL II
	Constructive Geometry	Algebra II	IB Mathematical Studies SL I	IB Mathematical Studies SL II
	Geometry	Algebra II	IB Mathematical Studies SL I	IB Mathematical Studies SL II
	Geometry	Algebra II	IB Mathematics SL I	IB Mathematics SL II
	Geometry	Algebra II with Trigonometry	IB Math SL I or IB Math HL I	IB Math SL II or IB Math HL II
	Algebra II with Trigonometry	IB Mathematics HL I	IB Mathematics HL II**	IB Mathematics HL Options
<b>THE ARTS</b>	Art I: Foundations	Art II: Explorations	IB Visual Arts SL/HL I	IB Visual Arts SL II or IB Visual Arts HL II
		Drama	IB Theater Arts SL/HL I	IB Theater Arts SL II or IB Theater Arts HL II

\*\*\*Students who will begin Grade 11 in the 2019-2020 school year will have new options for mathematics due to an upcoming change in IB mathematics curriculum. There will be two new courses offered at the higher and the standard level. A brief description of the course may be found in the Mathematics section. As the curriculum is still in development, further details will be available at a later date.

## ADVANCED PLACEMENT (AP)

Though AIS is an IB World School, students may elect to take an AP examination while enrolled in an IB course. Students are responsible for obtaining the AP syllabus, discovering and learning any necessary supplemental knowledge or activities, and securing a recommendation to take the exam from their teacher. Course descriptions and sample exam questions are available online at the College Board website.

AIS only administers AP exams on site for courses taught at AIS during that school year or as required by an AIS teacher. It is the student's responsibility to confirm whether taking those exams are available at other schools.

## GRADING SYSTEM FOR NON-IB COURSES

GRADE	WEIGHT	GRADE	WEIGHT	GRADE	WEIGHT	GRADE	WEIGHT	GRADE	WEIGHT
A+ 97-100	4.3	B+ 87-89	3.3	C+ 77-79	2.3	D+ 67-69	1.3	F < 60	0
A 93-96	4.0	B 83-86	3.0	C 73-76	2.0	D 63-66	1.0		
A- 90-92	3.7	B- 80-82	2.7	C- 70-72	1.7	D- 60-62	0.7		

## GRADING SYSTEM FOR IB COURSES

GRADE	WEIGHT	GRADE	WEIGHT	GRADE	WEIGHT	GRADE	WEIGHT	GRADE	WEIGHT
A+ 97-100	4.63	B+ 87-89	3.63	C+ 77-79	2.63	D+ 67-69	1.63	F < 60	0
A 93-96	4.33	B 83-86	3.33	C 73-76	2.33	D 63-66	1.33		
A- 90-92	4.03	B- 80-82	3.03	C- 70-72	2.03	D- 60-62	1.03		

## OTHER GRADING CODES

<b>P</b>	Pass	Used when a course is not taken for a grade. Requires administrative approval. Credit awarded. Not calculated in GPA.
<b>AUD</b>	Audit	Typically used when a student joins a class late in the term. Students attend all classes and complete all assignments for the learning benefits. No credit awarded. Not calculated in GPA. Audits may only be arranged before starting a course.
<b>INC</b>	Incomplete	Used when assessments were not completed due to unexpected circumstances. The work must be completed within an agreed upon time as determined by teacher and principal (typically two weeks). After this time, if work is submitted, then the teacher will assign a replacement grade. If work remains missing, a grade of IE will be assigned for the course.
<b>NC</b>	No Credit	Used when there is insufficient evidence to determine a student's grade. Also used for students who are taking language tutorials outside school for courses not offered by AIS. No grade or credit is earned.
<b>WP</b>	Withdraw Passing	Used when a student withdraws from a course and at the time of withdrawal had a passing grade. No credit awarded. Not calculated in GPA. Students may only withdraw from a course by October 31st (March 31st for semester 2 classes).
<b>WF</b>	Withdraw Failing	Used when a student withdraws from a course and at the time of withdrawal had a failing grade (or insufficient evidence). No credit awarded. Not calculated in the GPA. Students may only withdraw from a course by October 31st (March 31st for semester 2 classes).
<b>REP</b>	Repeated Course	Used when a student takes the same course in the following year. Upon earning credit in the course the second time, the original grades change to REP and credit is no longer earned for the original course. This may only be done with counselor and principal approval.

## GRADING POLICIES

For AIS, grades from D- to A+, and P, are passing grades and earn credit towards graduation.

A student who earns a grade below C- in the early levels of a modern language sequence (German, French, or Spanish) must study over the summer and pass a placement test before the start of the next academic year in order to advance to the next level.

Grades are cumulative through a semester. At the end of each semester, exams are given in the following subjects: English, Modern Language, Social Studies, Science, and Mathematics. These exams count for 20% of a student's semester grade. A final semester grade is awarded and stored at the end of each semester.

## COURSE REGISTRATION

Registration for courses takes place in the Spring semester and is managed by the High School Counseling Office. Counselors along with the Dean of Curriculum & IB Coordinator will work with students to determine next year's courses as well as a strategic four-year academic plan. We make every effort to schedule students into the courses that they request. It is possible that a student may not get all of the courses that they request. Priority is given to the IB Diploma subjects that a student needs, but this occasionally conflicts with other elective courses.

## ADD/DROP AND SCHEDULE CHANGES

Students and counselors make every effort to schedule students with a schedule of courses that is appropriately challenging. Students are encouraged to follow their interests while working towards the requirements of their academic program. The Master Schedule is built in the Spring, upon the requests of students prior to the school year starting. Students are provided times to check and confirm their schedule in that Spring semester, before the schedule is finalized. It is very difficult (often impossible) to make schedule changes once the school year has started as typically the schedule is fixed and courses filled. On rare occasion, a student may need to change their schedule.

The following guidelines apply to schedule changes:

- Students have 8 school days at the start of term to initiate a change their schedule. No record of dropped classes will be recorded.
- After the first 8 school days, only a teacher may initiate a schedule change for a student, in which case no record of the dropped class will be recorded.
- After the first two weeks, courses typically may not be added.
- By September 30th (February 28th for semester 2 classes), students may drop a course without it showing on their transcript. This is only allowed for students when their schedule permits and continues to fit within grade-level expectations (see page 5, Required credits and grade level status). No credit is awarded.
- By October 31st (March 31st for semester 2 classes), students may withdraw from a course (schedule permitting), but it will be noted on the student's transcript. The course will be designated with a WP, for students who are passing the course at the time of withdrawal, or WF, for students who are failing the course at the time of withdrawal (see page 15, Other Grading Codes). No credit will be awarded in either case.

## HONOR ROLL

Students with high academic achievement are recognized on the Honor Roll each semester. Students qualify for the Honor Roll according to the criteria listed below. GPA's are rounded to the nearest hundredth.

### Grades 9 & 10

- Honor Roll: B+ average or better (GPA equal or higher than 3.3)
- High Honor Roll: A- average or better (GPA equal or higher than 3.7)

### Grades 11 & 12

- Honor Roll: B+ average or better (GPA equal or higher than 3.3)
- High Honor Roll: A average or better (GPA equal or higher than 4.0)

GPA calculations include weightings for IB courses as described in "Grading System for IB Courses".

Due to the lack of IB weighting on most grade 9 & 10 courses, the criteria for High Honor Roll is different than for grades 11 & 12, when all students have weighted courses.

Students earning a grade in the C range or lower, or students with "Incomplete" or "No Credit" grades are ineligible for Honor Roll recognition.

## ENGLISH

The English program responds to the wide range of interests and abilities represented by an international student body. Students take heterogeneously-grouped classes in English 9 and 10, with the opportunity to take IB classes in Grades 11 and 12. In each course, students will read literature that engages and challenges them.

Principal objectives:

- To create an atmosphere of trust in which students can freely express their thoughts and feelings through language;
- To encourage reading;
- To lead students to discover different levels of meaning in the literature and other text types read;
- To include representative literary works, international in origin;
- To help students make connections between literature and their own lives;
- To encourage writing about their perceptions;
- To develop and refine their writing skills: sentence structure, organization, punctuation and spelling;
- To promote vocabulary study;
- To teach students to be articulate speakers and alert listeners;
- To promote discussion etiquette and awareness that there can be more than one valid point of view to the same issue; and
- To encourage creative and independent thinking and questioning.

A student is required to take at least one course for English credit for every year he/she is in enrolled.

Non-native English speakers have the option to fulfill their English requirement by taking English as an Additional Language (EAL) supported courses. These courses prepare an EAL student for entry into the American academic program and encourage continued respect for individual cultural backgrounds.

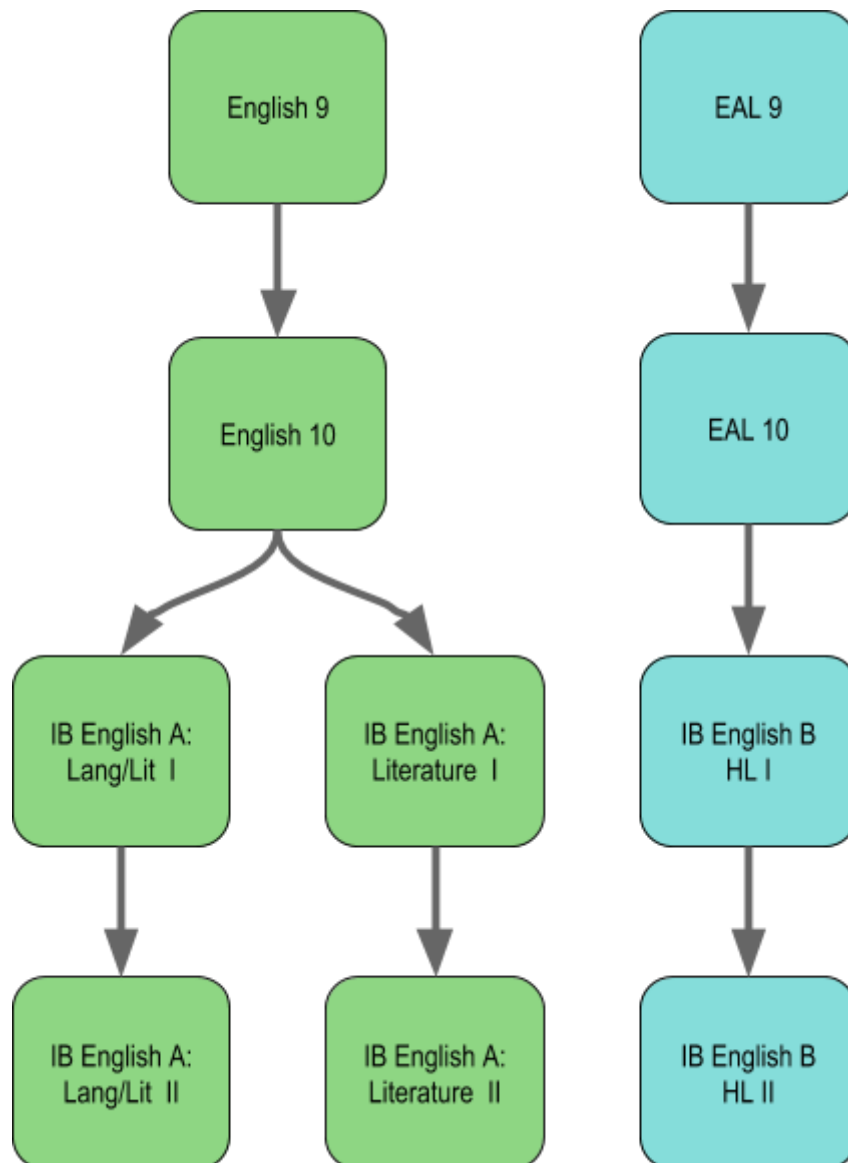
EAL Literature (Advanced) supports students in their reading, writing, speaking, and listening skills while preparing them for the transition into mainstream literature courses. Students are encouraged to pursue IB courses at several levels. IB English B is available for EAL students as a Higher Level option for the IB Diploma. Students may be recommended to move to mainstream English courses by the EAL instructor.

<b><u>ENGLISH 9</u></b>	Year-Long	Credits:	1.0
This foundational course for ninth graders helps students to write grammatically and imaginatively, to build vocabulary, to develop cohesive paragraphs and short essays, and to make connections between literature and themselves. An important aspect of the course also centers on learning to speak clearly, and learning to listen to peers - critical factors in helping students to appreciate the value of another's point of view. A wide range of classic and contemporary texts comprise the core of the reading list, ranging from a Shakespeare play to works of fiction and nonfiction.			
<b><u>ENGLISH 10</u></b>	Year-Long	Credits:	1.0
<i>Prerequisite: English 9</i>			
This course for tenth graders continues the English 9 approach to literature and composition. Students will explore a variety of themes, literary styles, and genres with an emphasis on the heroes and heroines of core works, from classics and Shakespeare to more contemporary works in the second semester. The approach includes introductory lectures, as well as informal class discussions, individual oral presentations, and group projects. Frequent composition assignments, both creative and analytical, will encourage students to develop their ideas in clear, accurately written English. Vocabulary building is also a regular and important focus of the class.			
<b><u>EAL LITERATURE 9</u></b> <b><u>EAL LITERATURE 10</u></b>	Year-Long Year-Long	Credits: Credits:	1.0 1.0
<i>Enrollment in the course is by permission of the teacher.</i>			
This advanced EAL course prepares students to understand, analyze, discuss, and write about literary works in English. Literary selections include all types: novel, short stories, poetry, and nonfiction selections. Many of the texts mirror those studied in the regular English curriculum. Vocabulary and concepts of grammar are studied. Students write in a variety of genres: expository, persuasive, and creative. The two courses are taught in the same block period. This course allows students to build a strong foundation for the EAL track of IB English B, or mainstream English.			

<b><u>IB ENGLISH A: LITERATURE SL/HL I</u></b>	Year-Long	Credits:	1.0
<p>Prerequisite: English 10 and teacher recommendation</p> <p>This combined higher and standard level IB English year one class may be taken by students in the eleventh or twelfth grade as either a college preparatory class for high school graduation credit or by those who plan to take the IB English exams at the end of their senior year after completion of either the HL or SL II class. The class continues the work of English 10 in its approach to literature and composition skills. Students will explore literature ranging from classical to modern, in a variety of genres including fiction, non-fiction, poetry, and drama. The course requires frequent composition assignments with an emphasis on clear, logical, and coherent structure and individual expression. A primary focus of the course is learning to write clear, precise literary analyses and descriptive essays. There is also a focus on creative expression in the composition of original poetry and/or original translations of existing works from other languages. Students decide whether the standard or higher level of the course is most appropriate for the second year after consultation with the teacher.</p>			
<b><u>IB ENGLISH A: LITERATURE SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB English A: Literature SL/HL I</i></p> <p>This second year standard level IB English course is a continuation of the IB English A: Literature first year course. Students read works from English language literature, ranging from the classical to the contemporary, from Shakespeare to modern poets and novelists. Students continue to sharpen their ability to write analytically about literature and its relation to contemporary issues. In May, students sit the IB SL examination. The course is conducted with a mixture of background lectures, oral presentation by students, and seminar discussions. Admittance is based on recommendation of the IB English A first year teacher.</p>			
<b><u>IB ENGLISH A: LITERATURE HL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB English A: Literature SL/HL I</i></p> <p>This IB honors English course is a continuation of the IB English A: Literature first year course. Students read works from English language literature, ranging from the classical to the contemporary, from Shakespeare to modern poets and novelists. Students continue to sharpen their ability to write analytically about literature and its relation to contemporary issues. In May, students will sit the IB HL examination. The course is conducted with a mixture of background lectures, oral presentation by students, and seminar discussions, and is the most demanding course in the English program. Admittance is based on recommendation of the IB English A first year teacher.</p>			
<b><u>IB ENGLISH A: LANGUAGE AND LITERATURE SL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: English 10 and teacher recommendation</i></p> <p>IB English A: Language and Literature aims to develop a variety of English skills through the study of a wide range of texts, to promote an appreciation of the wealth and subtleties of the language, and to facilitate the clear expression of ideas. It will introduce students to a wide range of texts in different genres, media, styles, and contexts, and develop students' ability to engage in close, detailed and critical examination of text, and gain a greater appreciation of the English speaking cultures. This course prepares students to sit the Standard Level Language A English examination at the end of the second year. The course is open to juniors and seniors.</p>			
<b><u>IB ENGLISH A: LANGUAGE AND LITERATURE SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB English A: Language and Literature SL I</i></p> <p>IB English A: Language and Literature SL II is a continuation of IB English A: Language and Literature SL I. It is a requirement for students who plan to take the second year course and sit the Standard Level Language A English examination in their Senior year. IB English A: Language and Literature aims to develop a variety of English skills through the study of a wide range of texts, to promote an appreciation of the wealth and subtleties of the language, and to facilitate the clear expression of ideas. It will introduce students to a wide range of texts in different genres, media, styles, and contexts, and develop students' ability to engage in close, detailed and critical examination of text, and gain a greater appreciation of the English speaking cultures.</p>			

<b><u>IB ENGLISH B HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: English 10 or EAL Literature 10</i></p> <p>This course is designed for eleventh grade students. This course is the first of the two preparatory years for the IB Higher Level English B examination. Students whose native language is not English may take English B as their foreign language. The course covers three core topics: Social Relationships, Communication and Media, and Global Issues. Additionally, two topics will be chosen from five other options (Health, Customs and Traditions, Leisure, Cultural Diversity and Science and Technology).</p> <p>Students develop their reading, writing, speaking, and listening skills by interacting with a variety of texts including articles, essays, interviews, letters, and reports. Moreover, they learn to communicate with intercultural understanding and an awareness of diverse perspectives. Organizing ideas and expressing them accurately and fluently is a focus of students' work. A variety of resources including newspaper and magazine articles, letters, essays, interviews, reports, poems, short stories, and video and audio clips will also be used.</p>			
<b><u>IB ENGLISH B HL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB English B HL I</i></p> <p>This course is designed for twelfth grade students, and is the continuation of IB English B Higher Level I. Therefore, the course continues development of reading, writing speaking, and listening skills on selected topics. For Year Two of the course, students study two works of literature and develop analytical and writing skills in response to the texts. External and internal assessments are completed during this second year.</p>			

## HIGH SCHOOL ENGLISH COURSE SEQUENCES / OPTIONS FLOWCHART





## MODERN LANGUAGES

Students and parents are advised to read the course descriptions and prerequisites in order to ensure appropriate placement. Students and parents should also note that Native German speakers are required to study German as a Modern Language through the completion of grade 9.

Returning AIS students must have successfully completed the preceding level course. Prior to registration, students must obtain approval of their current language teacher to register for a subsequent course.

In some cases, a returning student may wish to advance an additional level for the following year. For this, students should contact their teacher at the start of the second semester. Teachers will provide supplementary materials. They will take a placement test in August to determine final course assignment.

New students take a written test, including a conversation with an AIS language teacher, to determine appropriate course placement.

**IB ab initio (beginner) Language examinations in German, French or Spanish:** If a student needs the IB ab initio examination for the IB diploma, the student will require additional lessons beyond the Basic A and B courses in German, French, or Spanish. The student can take ab initio language in grades eleven and twelve, with permission of the Modern Languages Department head.

## GERMAN

### GERMAN (NEAR NATIVE AND NATIVE)

Near-Native and Native speakers of German further develop their language skills with German Advanced and Native courses.

<b><u>GERMAN ADVANCED A</u></b>	Year-Long	Credits:	1.0
<p><i>This course is designed for ninth grade students whose German skills are <b>near-native</b>.</i></p> <p>We read and analyze literature from different genres and periods, extracts from non-fiction books and newspaper articles. Students learn a variety of writing techniques (composition, summary, essay, creative writing etc.) as well as how to improve writing skills (expressions, idioms, grammar, spelling etc.). Oral reports give the students the opportunity to improve their communication skills. Two major works of literature are studied.</p> <p><i>Texts: Doppelklick 9, Cornelsen. Doppelklick 9 Arbeitsbuch, Cornelsen.</i></p>			
<b><u>GERMAN ADVANCED B</u></b>	Year-Long	Credits:	1.0
<p><i>This course is designed for tenth grade students whose German skills are <b>near-native</b>.</i></p> <p>This course is a continuation of German Advanced A. We expand on the themes and topics covered in the previous year. More emphasis will be put on writing techniques and project work to prepare students for the IB program. The course focuses on writing and oral communication skills. Discussions, oral reports and compositions are based on cultural, literary and current affairs topics of the German-speaking countries. Two to three major works of literature are studied.</p> <p><i>Texts: Doppelklick 10, Cornelsen. Doppelklick 10 Arbeitsbuch, Cornelsen.</i></p>			
<b><u>GERMAN NATIVE 9</u></b>	Year-Long	Credits:	1.0
<p><i>This course is for ninth grade students who are native speakers of German.</i></p> <p>In this course emphasis is placed on the study of fiction and non-fiction texts and on the study of literature covering the following periods: Mittelalter, Renaissance, Humanismus, Barock, und Aufklärung. Also, the class focuses their written work related to fiction and non-fiction texts on: composition, character analysis, interpretations and descriptions, formal letters, newspaper articles, etc. Different genres of fiction will be studied and writing skills will be taught (spelling, grammar, idioms, expressions etc.). Oral reports will be given related to the literary periods studied, modern literature and non-fiction topics.</p> <p><i>Texts: Stichwort Literatur, Literaturkunde, Das Literaturbuch. Aktion Sprache 1 (Lehrbuch, Rechtschreib-Übungsbuch). Das Sprachbuch (Lehrbuch, Rechtschreib-Übungsbuch). Selection from German literature (e.g. Nibelungenlied, Hans Sachs, Grimmlshausen).</i></p> <p><i>One or two modern novels/plays (e.g. Horvath: Jugend ohne Gott. Brussig: Am kürzeren Ende der Sonnenallee, Herrndorf: Tschick, Frisch: Biedermann oder die Brandstifter). G.E. Lessing: Nathan der Weise.</i></p>			

<b>GERMAN NATIVE 10</b>	Year-Long	Credits:	1.0
<p><i>This course is for tenth grade students who are native speakers of German.</i></p> <p>In this course, the study of literature covers the following periods: "Sturm und Drang, Klassik, Romantik, Biedermeier, Junges Deutschland, Realismus". One or two works of modern literature will be covered as well. Compositions and commentaries, character analysis, discussions, interpretations, creative writing, style and spelling are important components of this course. Oral reports are selected from the above mentioned periods of literature. A trip to Weimar, related to the period of Klassik, is planned for September/October.</p> <p><i>Texts: Literaturkunde, Das Literaturbuch, Stichwort Literatur, Aktion Sprache 2.</i></p> <p><i>Selections from German literature (e.g. Goethe, Schiller, Kleist, Eichendorff, E.T.A. Hoffmann, Grillparzer, Stifter, Nestroy, Büchner, Raimund, Keller, Meyer, Raabe, Gotthelf, Fontane).</i></p>			
<b>IB GERMAN A: LITERATURE SL/HL I</b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: German Advanced B or German Native 10</i></p> <p>This is the first year of the 2-year "A Literature" course. Students learn how literature develops, understand the techniques involved in criticism, and develop their ability to form independent literary judgments. The course contains four different parts:</p> <ol style="list-style-type: none"> <li>1. Literary study of three works in translation.</li> <li>2. Close study of two or three works, each of a different genre, one of which is poetry.</li> <li>3. Literary study of three or four works of the same literary genre.</li> <li>4. Three works are chosen by the school; the approach to the study of works is chosen from four options.</li> </ol> <p>During the first year of the course, parts one and four are covered.</p> <p>Written assignments are required for external assessment. Interactive orals and oral commentaries will take place during the course. Selections from the IB German prescribed authors list and from the IB literature in translation list.</p> <p><i>Texts: Stichwort Literatur, Texte, Themen und Strukturen.</i></p>			
<b>IB GERMAN A: LITERATURE SL II</b> <b>IB GERMAN A: LITERATURE HL II</b>	Year-Long Year-Long	Credits: Credits:	1.0 1.0
<p><i>Prerequisite: IB German A: Literature SL/HL I</i></p> <p>These courses are the continuation of the 2-year "A Literature" courses and will continue, complete, and deepen the analysis and interpretation of literary texts. During the course, written assignments are required for external assessment. Oral commentaries will take place during the course. This second year covers parts three and four of the program.</p> <ol style="list-style-type: none"> <li>1. Literary study of three works in translation.</li> <li>2. Close study of two or three works, each of a different genre, one of which is poetry.</li> <li>3. Literary study of three or four works of the same literary genre.</li> <li>4. Three works are chosen by the school; the approach to the study of works is chosen from four options.</li> </ol> <p>Students enroll in the standard or higher level course based on their level and IB diploma plan. Selections from the IB German prescribed authors list and from the IB literature in translation list.</p> <p><i>Texts: Stichwort Literatur, Texte, Themen und Strukturen.</i></p>			

<b>IB GERMAN A: LANGUAGE AND LITERATURE SL/HL I</b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: German Advanced B or German Native 10</i></p> <p>The “Language and Literature” course is a two-year course and develops skills of textual analysis. A study of the formal structure of a text is combined with an exploration of the way the use of formal elements and our understanding of their meaning is affected by reading practices that are culturally defined. The combined Year 1 course consists of four different parts:</p> <ol style="list-style-type: none"> <li>1. Language in a cultural context (texts are chosen from a variety of genres and media).</li> <li>2. Language and mass communication (texts are chosen from a variety of genres and media).</li> <li>3. Literature – texts and contexts (2-3 literary works, each chosen from the prescribed book list, are studied).</li> <li>4. Literature – critical study (2-3 literary works chosen from the IB prescribed list of authors for the language A are studied).</li> </ol> <p>During the course, written assignments are required for external assessment. Interactive orals and oral commentaries will take place during the course. Selections from the IB German prescribed authors list and from the IB literature in translation list.</p> <p><i>Texts: Aktion Sprache 3-4, Literaturkunde, Das Literaturbuch, Texte Themen und Strukturen, Das Sprachbuch, Das Lesebuch, Siebzehn Kurzgeschichten.</i></p>			
<b>IB GERMAN A: LANGUAGE AND LITERATURE SL II</b>	Year-Long	Credits:	1.0
<b>IB GERMAN A: LANGUAGE AND LITERATURE HL II</b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB German A: Language and Literature SL/HL I</i></p> <p>This course is for students in the second year of the IB German Language and Literature course and covers fiction and non-fiction texts. Texts are chosen from those originally written in German, as well as literature in translation. The writing program consists of compositions, interpretations of literature, essays and creative writing as well as analysis of non-fiction texts from newspapers and magazines. Oral reports are chosen from the above mentioned literature and texts. Selections from the IB German prescribed authors list and from the IB literature in translation list.</p> <p><i>Texts: Aktion Sprache 3-4, Literaturkunde, Das Literaturbuch, Texte Themen und Strukturen, Das Sprachbuch.</i></p>			

## GERMAN AS A MODERN LANGUAGE

As the language of our host country, all students are encouraged to study German.

<b><u>GERMAN BASIC A</u></b>	Year-Long	Credits:	1.0
<p>This first year German course teaches students to ask for information, discuss diverse topics such as family, national origins, food, life in Vienna, as well as travelling and living. Among other things, they will also learn to express location (people, objects and places), to give orders, express emotions and tell the time. The basics of German grammar are introduced. These include regular and irregular verbs in the present, past and future tenses, as well as the nominative, accusative and dative cases. The course further teaches definite and indefinite articles, cardinal and ordinal numbers, negatives, demonstratives, prepositions and question tags. At the beginning, the emphasis is placed on oral work and phonetics, but reading and writing skills receive more emphasis as the year progresses.</p> <p><i>Text: Optimal A1, (Lehrbuch, Arbeitsbuch, CD).</i></p>			
<b><u>GERMAN BASIC B</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: German Basic A</i></p> <p>The basic elements from German Basic A are reviewed, and more complex patterns are introduced. The students do more reading and writing than in German Basic A to broaden their vocabulary in German. Students do more speaking activities to learn to express intentions, their tastes, preferences and opinions. They relate and describe current and past events, justify their agreement or disagreement, give advice, and ask for detailed information. The students continue to learn about the culture of German speaking countries by reading texts about traditional habits and feasts. Amongst other things, the grammatical content includes prepositions with different cases, direct and indirect pronouns, reflexive verbs, the formation of questions, subordinate clauses, the distinction between the past tenses, adjective endings, and comparatives of adjectives and adverbs.</p> <p><i>Text: Optimal A2, (Lehrbuch, Arbeitsbuch, CD).</i></p>			
<b><u>GERMAN INTERMEDIATE A</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: German Basic B</i></p> <p>This course responds to the needs of students to develop efficient language skills in German. We develop and broaden the skills learned in German Basic A and B: Oral communication, reading and handling of shorter texts and development of writing skills. The focus is on understanding more complex texts than in Basic A and B to sum up the most important information from the text in the student's own words. We also want to put an emphasis on autonomous learning and the students are familiarized with research strategies and project work. The students do individual research and presentations on topics that are related to the chapter we are covering in class. On the one hand, this course reviews the basics of German grammar, but on the other hand it also teaches more complex grammar topics. The students also learn more about the culture of Austria and especially Vienna by Austrian movies. This course can be a preparation for the entrance into the IB Language B Standard Level course.</p> <p><i>Text: Optimal B1, (Lehrbuch, Arbeitsbuch, CD).</i></p>			
<b><u>GERMAN INTERMEDIATE B (Grades 9 and 10)</u></b>	Year-Long	Credits:	1.0
<b><u>IB GERMAN B SL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: German Intermediate A</i></p> <p>This course develops more efficient language skills in German. Concurrently, this course is the first year of a two-year IB program for students who wish to take the IB examination after the second year. The course covers three core topics: Social Relationships, Communication and Media and Global Issues. In addition, two options will be chosen from five other topics (Health, Customs and Traditions, Leisure, Cultural Diversity and Science and Technology). Students learn to understand, give and exchange information from oral and written sources. Literary texts are read including: one piece of literature and excerpts from various books and literary texts (e.g. Tessnow: Knallhart; Pelz: Someone, Brussig: Am kürzeren Ende der Sonnenallee).</p> <p>Aspects of grammar are reviewed in this course and more complex structures and topics are analyzed in more depth. Students learn to write essays on various topics and in various formats and to answer questions on texts. They also learn various techniques of communication. While learning this additional language, students also explore the cultures connected to it. Receptive, productive and interactive skills will be trained in order to be successful at the IB exam.</p> <p><i>Texts: em-neu Brückenkurs (Lehrbuch und Arbeitsbuch), Hueber Verlag, Aspekte (Lehrbuch und Arbeitsbuch 1), Langenscheidt Verlag</i></p>			

<b>GERMAN INTERMEDIATE C (Grades 9 and 10)</b> <b>IB GERMAN B SL II</b>	Year-Long Year-Long	Credits: Credits:	1.0 1.0
<p><i>Prerequisite: German Intermediate B or IB German B SL I</i></p> <p>This course is the continuation of IB German B Standard Level I or German Intermediate B. It is the second year of the IB program for students who wish to take the IB examination at the end of this year course. The course continues the study of the topics, the writing of compositions on different topics and in various formats, reading of stories, improving oral communication skills and oral reports, acquiring knowledge about German culture, reading of stories and major works of literature. External and internal IB assessments will be completed during the year.</p> <p><i>Texts: em-neu Brückenkurs (Lehrbuch und Arbeitsbuch), Hueber Verlag, Aspekte (Lehrbuch und Arbeitsbuch 1), Langenscheidt Verlag.</i></p>			
<b>IB GERMAN B HL I</b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: German Intermediate C</i></p> <p>This course is the first of the two preparatory years for the IB Higher Level examination for eleventh grade students. The course covers three core topics: Social Relationships, Communication and Media and Global Issues. In addition, two options will be chosen from five other topics (Health, Customs and Traditions, Leisure, Cultural Diversity and Science and Technology). Two major works of literature are studied. Students learn to understand, give and exchange information from oral and written sources. Aspects of grammar are reviewed in this course and an extension of more advanced grammar is included. Students learn to write essays on different topics and in various formats. They also learn rhetorical devices needed for successful written and oral communication. While learning this additional language, students also explore the cultures connected to it. Receptive, productive and interactive skills will be trained in order to be successful on the IB Higher Level exam.</p> <p><i>Texts: Sichtwechsel 1-3, Klett Verlag. em-Hauptkurs, Hueber Verlag. Grammatik zum Üben, Mittelstufe</i></p>			
<b>IB GERMAN B HL II</b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB German B HL I</i></p> <p>This course is the continuation of German IB Higher Level I for twelfth grade students. It is the second year of the IB program for students who wish to take the IB examination at the end of this year course. The course continues the study of literature and topics, the writing of compositions on various topics as well as different aspects of grammar according to the needs of students and in various formats, improving oral communication and reports, and acquiring knowledge about German speaking cultures. External and internal assessments will be completed during the year. Two major works of literature are studied.</p> <p><i>Texts: Sichtwechsel 1, 2 &amp; 3, Klett Verlag. Grammatik zum Üben, Mittelstufe. Leselandschaft. Unterrichtswerk für die, Mittelstufe.</i></p>			

## FRENCH AS A MODERN LANGUAGE

<b><u>FRENCH BASIC A</u></b>	Year-Long	Credits:	1.0
<p>This first-year French course teaches students to communicate in oral and written forms, in a basic but efficient way. Students will learn to identify themselves and others, greet others, ask for and confirm information, thank others, discuss family, national origins, professions, hobbies, appearance and personality, locate people, objects and places, give orders, express easy negative and positive judgments, tell the time, order food, ask for the price. The topics are chosen according to the book used in class. Grammar includes common regular and irregular verbs in the present, past (<i>passé composé</i>) for most common verbs, <i>futur proche</i> and imperative tenses, definite and indefinite articles, cardinal and ordinal numbers, negatives with <i>pas</i>, <i>il y a</i>, demonstratives, prepositions, and <i>pourquoi</i> et <i>parce que</i>.</p> <p><i>Texts: Alter Ego A1, + CD (chapters 1-5), Hachette.</i></p>			
<b><u>FRENCH BASIC B</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: French Basic A</i></p> <p>The basic elements of French Basic A are reviewed and more complex patterns are introduced. The students do more writing and more reading than in French Basic A. Students learn how to give an itinerary, give and demand precise directions, express a positive and negative judgment, make and give appointments, talk about time, schedule and use the different forms of the question. The topics are chosen according to the book used in class. Students also learn to identify and describe people, describe objects, compare, talk about present, past, and future events. The grammatical content includes the negation, prepositions, the question structure, the comparative, the personal object pronouns, time expressions, the present, the near future, the recent past, the <i>passé composé</i> and initiation to the <i>imparfait</i>.</p> <p><i>Texts: Alter Ego A1, + CD (chapters 5-9), Hachette.</i></p>			
<b><u>FRENCH INTERMEDIATE A</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: French Basic B</i></p> <p>This course develops efficient language skills in French. Skills learned in French Basic A and B are further developed and broadened: oral communication, reading, handling of texts and further development of writing skills. The topics are chosen according to the books used in class. Students express opinions, wishes, agreement, disagreement, doubt, feelings, probability and certainty. They relate facts and circumstances in the past and the future. They make hypotheses, express concerns, advise, suggest, warn, compare. This is the third year of grammar where the learning of basic grammar is completed. New tenses include the <i>imparfait</i>, <i>futur</i>, and the <i>plus-que-parfait</i>. Other grammatical structures include the superlative and the use of two pronouns. At the end of the course, students should be rather fluent in expressing themselves (in oral and written forms) in everyday communication situations.</p> <p><i>Texts: Alter Ego A2, + CD (chapters 5-9), Hachette.</i></p>			
<b><u>FRENCH INTERMEDIATE B (Grade 9 and 10)</u></b>	Year-Long	Credits:	1.0
<b><u>IB FRENCH B SL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: French Intermediate A</i></p> <p>This course develops more efficient language skills in French. Concurrently, this course is the first year of a two-year IB program for students who wish to take the IB examination after the second year. The course covers three core topics (Social Relationships, Communication and Media and Global Issues) and two options chosen from five other topics (Health, Customs and Traditions, Leisure, Cultural Diversity and Science and Technology). Students learn to understand, give and exchange information from oral and written sources. Short novels are read. Aspects of grammar are reviewed and an extension of more advanced grammar is included. Students learn to write essays on various topics and in various formats and to answer questions on texts. They also learn various techniques of communication. While learning this additional language, students also explore the cultures connected to it. Receptive, productive and interactive skills will be trained in order to be successful at the IB exam.</p>			

<b><u>FRENCH INTERMEDIATE C (Grade 9 and 10)</u></b> <b><u>IB FRENCH B SL II</u></b>	Year-Long Year-Long	Credits: Credits:	1.0 1.0
<i>Prerequisite: French Intermediate B or IB French B SL I</i>			
<p>This course is the continuation of French IB Standard Level I or French Intermediate B. It is the second year of the IB program for students who wish to take the IB examination at the end of this year-long course. Therefore, the course continues the study of the three core topics (Social Relationships, Communication and Media and Global Issues) and two options chosen from five other topics (Health, Customs and Traditions, Leisure, Cultural Diversity and Science and Technology). Students further learn to understand, give and exchange information from oral and written sources. More short novels are read. Aspects of grammar are reviewed and an extension of more advanced grammar is included. Students learn to write essays on various topics and in various formats and to answer questions on texts. They also learn various techniques of communication. While learning this additional language, students also explore the cultures connected to it. Receptive, productive and interactive skills will be trained in order to be successful at the IB exam. External and internal assessments will be completed during the year.</p>			
<b><u>IB FRENCH B HL I</u></b>	Year-Long	Credits:	1.0
<i>Prerequisite: French Intermediate C</i>			
<p>This course is the first of the two preparatory years for the IB Higher Level examination. The course covers three core topics (Social Relationships, Communication and Media and Global Issues) and two options chosen from five other topics (Health, Customs and Traditions, Leisure, Cultural Diversity and Science and Technology). Two works of literature are studied. Students learn to understand, give and exchange information from oral and written sources. Aspects of grammar are reviewed and an extension of more advanced grammar is included. Students learn to write essays on various topics and in various formats and to answer questions on texts. They also learn various techniques of communication. While learning this additional language, students also explore the cultures connected to it. Receptive, productive and interactive skills will be trained in order to be successful at the IB exam.</p>			
<b><u>IB FRENCH B HL II</u></b>	Year-Long	Credits:	1.0
<i>Prerequisite: IB French B HL I</i>			
<p>This course is the continuation of French IB Higher Level I. It is the second year of the IB program for students who wish to take the IB examination at the end of this year course. Therefore, the course continues the study of three core topics (Social Relationships, Communication and Media and Global Issues) and two options chosen from five other topics (Health, Customs and Traditions, Leisure, Cultural Diversity and Science and Technology). Two works of literature are studied. Students further learn to understand, give and exchange information from oral and written sources. Aspects of grammar are reviewed and an extension of more advanced grammar is included. Students further learn to write essays on various topics and in various formats and to answer questions on texts. They also further learn various techniques of communication. While learning this additional language, students also explore the cultures connected to it. Receptive, productive and interactive skills will be further trained in order to be successful at the IB exam. External and internal assessments will be completed during the year.</p>			

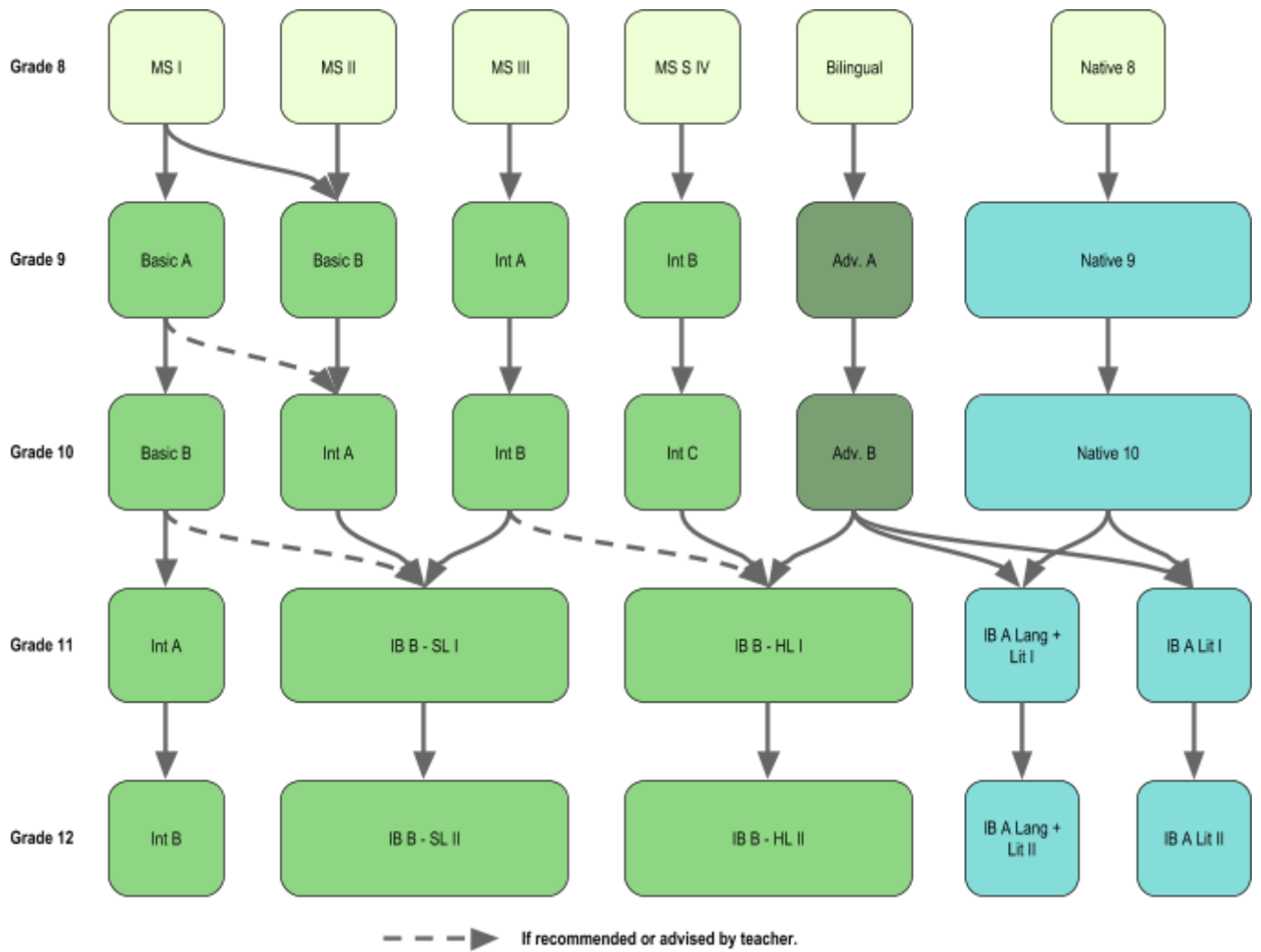
## SPANISH AS A MODERN LANGUAGE

<b><u>SPANISH BASIC A</u></b>	Year-Long	Credits:	1.0
<p>This first year Spanish course teaches students to communicate in a basic but efficient way, in oral and written forms. Students will learn about identifying themselves and others, family, national origins, professions, appearance and personality, hobbies, body, clothing, food, etc. They will also learn to express locations (people, objects, places), asking questions and to give orders. Basic elements in grammar are introduced. These include regular and irregular verbs in the present tense and past tense, as well as past perfect tense. It also includes possessive pronouns, demonstrative adjectives, adverbs and prepositions, etc. Students get introduced to Spanish culture through basic readings.</p> <p><i>Text: Sueña 1 (Chapters 1-5) + CD.</i></p>			
<b><u>SPANISH BASIC B</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Spanish Basic A</i></p> <p>Basic knowledge of topics, vocabulary and grammar will be reviewed and studied more in depth. More topics, vocabulary and grammar will be introduced. Listening, speaking, reading and writing skills are further developed. Students will learn how to describe current, past, and future events, express their tastes, preferences and opinions, give advice, speak about ideas, and express emotions, doubts and necessity. Students expand their knowledge of Spanish culture by reading authentic materials adequate for their Spanish level.</p> <p><i>Text: Sueña 1 (Chapters 6-10) + CD.</i></p>			
<b><u>SPANISH INTERMEDIATE A</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Spanish Basic B</i></p> <p>This course develops efficient language skills in Spanish. Students develop and broaden the skills learned in Spanish Basic A and Spanish Basic B: oral communication, reading, handling of texts and further development of writing skills. Reading and discussion of authentic texts will be part of the course. Essays and summaries will be based on texts and discussions as well as level-appropriate literary Spanish works such as short stories. The course includes review of basic and advanced grammar.</p> <p><i>Text: Sueña 2.</i></p>			
<b><u>SPANISH INTERMEDIATE B (Grade 9 and 10)</u></b>	Year-Long	Credits:	1.0
<b><u>IB SPANISH B SL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Spanish Intermediate A</i></p> <p>Throughout this course, the first of a two-year IB program, in addition to working towards increasing proficiency in the Spanish language, the course will cover three core topics: Social Relationships, Communication and Media and Global Issues. In addition, two options will be chosen from five other topics (Health, Customs and Traditions, Leisure, Cultural Diversity, and Science and Technology). Students will learn to give, understand and exchange information from oral and written sources. Short novels are read. Grammar aspects are reviewed in the course and an extension of a more advanced grammar is included. Students will learn to write texts on several topics and in various formats, and to answer questions about texts. They also learn various techniques of communication. While learning this additional language, students also explore the cultures connected to it (Spanish, Latin American, Caribbean, etc.). Receptive, productive and interactive skills will be trained in order to be successful in the IB exam.</p> <p>This course is intended to help students continue developing skills in the areas of listening, speaking, reading and writing in the Spanish language, applying a variety of reading strategies (scanning, guessing, predicting, identifying cognates, making inferences, etc.) to increase understanding of written material. External and internal assessments will be completed during the year.</p> <p><i>Texts: Sueña 2/3, Gramática del uso del español A/B Editorial SM, Gramática Española por niveles, Edinumen.</i></p>			



<b>SPANISH INTERMEDIATE C (Grade 9 and 10)</b> <b>IB SPANISH B SL II</b>	Year-Long Year-Long	Credits: Credits:	1.0 1.0
<p><i>Prerequisite: Spanish Intermediate B or IB Spanish B SL I</i></p> <p>This course is the continuation of Spanish IB Standard Level I or Spanish Intermediate B. It is the second year of the IB program for students who wish to take the IB examination at the end of this year course. Therefore, the course continues the study of the topics, the writing of compositions on various topics and in various formats, reading of stories, improving oral communication and oral reports and acquiring knowledge about Spanish speaking cultures. External and internal assessments will be completed during the year.</p> <p>Students will experience the language in a primarily monolingual environment that utilizes as many authentic materials as possible so as to maximize exposure to the language.</p> <p>Competence in each of the primary language skills will involve an understanding of three interrelated areas: Language, cultural interaction and message. External and internal assessments will be completed during the year.</p> <p><i>Text: Sueña 3, Gramática del uso del español A/B Editorial SM, Gramática Española por niveles, Edinumen.</i></p>			

## HIGH SCHOOL MODERN LANGUAGES COURSE SEQUENCES / OPTIONS FLOWCHART



## SOCIAL STUDIES

The Social Studies program offers a required course in grade 9 and a strongly recommended course in grade 10, followed by elective and IB choices for the remaining two years. The introductory course for ninth graders, World History 9, emphasizes writing and note-taking, as well as the skills essential to the study of history: gathering and interpreting evidence, analyzing concepts, synthesizing, and generalizing. These skills are developed further in the recommended grade 10 course, Modern European History, utilizing more difficult materials with increasing requirements. Advanced courses, normally for juniors and seniors, require considerable expertise in historical analysis. College preparatory skills are sharpened with the frequent writing of essays, the production of oral and written reports, simulations and debates and the analysis of document-based questions.

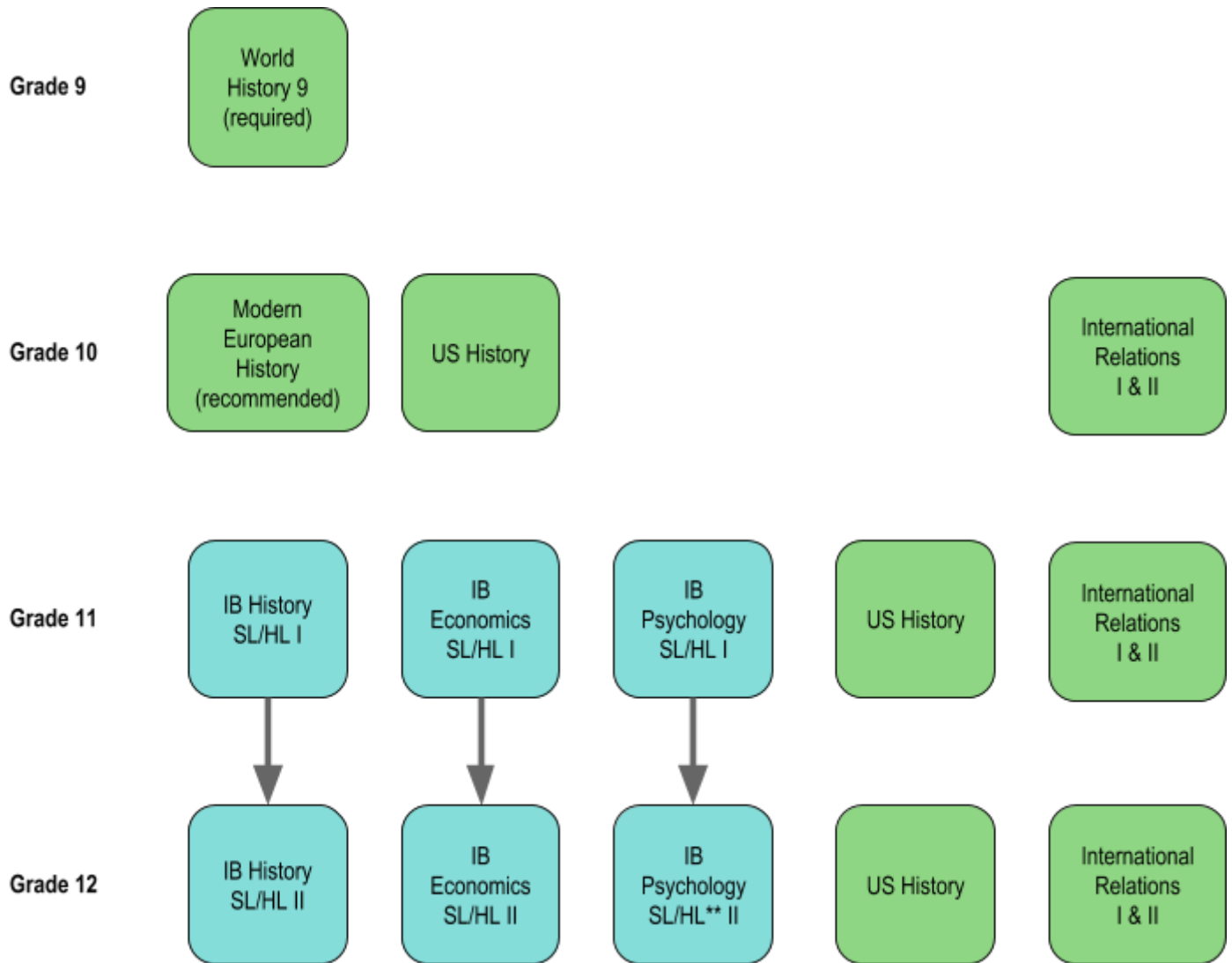
<b><u>WORLD HISTORY 9</u></b>	Year-Long	Credits:	1.0
<p><i>Required Course for Grade 9</i></p> <p>World History 9 is an introduction to the study of history focusing on four major historical periods: Europe during the Renaissance and Reformation, the Age of Exploration and Expansion, the Age of Enlightenment and French Revolution, and the Age of Global Imperialism. The course introduces students to the force of change throughout history and the impact of these selected time periods on the world and modern times. The creation of an environment where students can communicate and express ideas freely is of utmost importance. Throughout the course, emphasis will be on helping students to develop analytical skills via the medium of history, whilst recognizing the progress and significant changes that took place in society. This course provides students with the foundation skills for future studies in Social Studies.</p>			
<b><u>MODERN EUROPEAN HISTORY</u></b>	Year-Long	Credits:	1.0
<p><i>Strongly recommended for Grade 10</i></p> <p>students Modern European History is the optional sequel to World History 9. Together, these two year-long survey courses provide students with an overview of European history from the 16th century to the early 20th century. Modern European History is a survey course that examines the major political, social and economic forces at play in the early part of the 20th century. Modern European History includes a thorough examination of the First World War, the rise of totalitarian states in Europe, a comprehensive inquiry of the Weimar Republic and the rise of the Nazi Party, and concludes with an examination of the origins and major events of the Cold War and post-War Europe. A special effort is made to establish links between the examined historical periods with contemporary social, political and economic structures, and establish a connection between history and contemporary events.</p>			
<b><u>INTERNATIONAL RELATIONS I - MODEL UNITED NATIONS</u></b>	Semester 1	Credits:	0.5
<p><i>Grades 10-12</i></p> <p>This one-semester course examines the United Nations by surveying the historical origins of the United Nations and other major international organizations, studying key issues of global importance, and keeping abreast of current events that continue to shape the world. The class will represent a member nation of the United Nations and, after extensive research and preparation, travel as a delegation to a Model United Nations event. The trip is limited to students who best demonstrate an understanding of current events, the UN and parliamentary debate.</p> <p>Requirement for travel: GPA of 3.0 or better and/or permission of the instructor.</p> <p>Cost for traveling delegation students: the approximate cost of the Model United Nations will be dependent upon the chosen conference, but will range from € 600-800, which includes travel expenses, lodging and registration for students who attend the conference.</p>			
<b><u>INTERNATIONAL RELATIONS II - GLOBAL ISSUES</u></b>	Semester 1	Credits:	0.5
<p><i>Grades 10-12</i></p> <p>This one-semester course examines a variety of problems facing the international community today. Each year, topics will be selected by students themselves, helping them to gain a broader understanding of global issues, current events and international relations. The topics selected will differ from those examined in the first semester International Relations course. Examples of selected topics of study include: conflict in the Middle East, AIDS/HIV, the threat of Global Terrorism, North Korea, the Origins of the India/Pakistan conflict, the European Union, Population Dynamics, Child Labor, Religious Extremism, etc. The hope is to help students learn the background and nature of conflicts and problems mentioned in the news daily. An emphasis on matters of human and political geography will remain the focus of the course.</p>			

<b><u>UNITED STATES HISTORY</u></b>	Year-Long	Credits:	1.0
<p><i>Grades 10-12</i></p> <p>This course in American History covers the major events and ideas that have shaped United States history. Major topics include: the Colonial Settlement, the War of Independence, the Constitution, the Civil War and Reconstruction, American Imperialism and the Rise to World Power, the Progressive Movement, World War I and the Roaring Twenties, the Great Depression and the New Deal, World War II, and America during the Cold War. It is recommended that American students planning to attend an American university take a U.S. History course.</p>			
<b><u>IB HISTORY SL/HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Grades 11-12</i></p> <p>This full-year course is the first half of a two-year program preparing students for the International Baccalaureate Standard or Higher Level examinations in history. Chronologically, the course traces major events in world history from the creation of the German Empire in 1871 to the collapse of the Third Reich in 1945. Two major topics in contemporary history are examined in detail: The causes, nature and effects of war; and the rise and rule of single party dictatorships.</p> <p>The wars studied include: The First World War, the Russian Revolution and Civil War, the Spanish Civil War and the Second World War. The dictatorships include: Mussolini's Italy, Stalin's Soviet Union, Hitler's Germany and Franco's Spain. Emphasis will be placed on essay writing, document utilization and analytical skills. Advanced students may choose this course as a challenging elective, or in preparation for the Standard or Higher Level IB Contemporary History examinations the following year. This class is usually limited to students in their junior or senior year of study.</p>			
<b><u>IB HISTORY SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB History SL/HL I</i></p> <p>This course is the second half of a two-year program preparing students for the International Baccalaureate Standard Level examination in History. Chronologically, this course traces major events in world history from the end of the Second World War to the present. This course continues the study of the two major topics of IB History SL/HL I. East-West Relations since 1945 will be the third major topic which serves as the central theme of this course. Emphasis will remain on essay writing, document utilization and analytical skills. The program requires one research project producing a formal analytical paper, called the Internal Assessment.</p>			
<b><u>IB HISTORY OF EUROPE HL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB History SL/HL I</i></p> <p>This course is the second half of a two-year program preparing students for the three parts of the International Baccalaureate Higher Level examination in History. The first part (Paper I) examines the student's ability to deal with prescribed subjects through documents. The second part (Paper II) deals with major topics in contemporary world history. The third part (Paper III) consists of an overview of modern European history. The program requires one research project, producing a formal analytical paper, called the Internal Assessment.</p>			

<b><u>IB ECONOMICS SL/HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Grades 11-12</i></p> <p>This course introduces students to the principles of economics. The course may be taken as an elective. Students taking this course are presumed to have a serious interest in business-oriented topics and to be at a maturity level that enables them to read college level books and articles. Students are expected to finish the course having acquired the ability to understand basic economic terminology, interpret economic information, explain basic economic phenomena by using relevant economic concepts, and use these concepts to resolve economic problems. The microeconomic topics that are covered in the IB syllabus are in line with IB recommendations and standard practices in other schools. There is a mandatory two-year sequence for all students sitting either the IB Economics Standard or Higher Level examination. The internal assessment component, a portfolio, is an integral part of the course.</p> <p>The course requirements are:</p> <ol style="list-style-type: none"> <li>1. Multiple choice analysis</li> <li>2. Short response questions</li> <li>3. Projects</li> <li>4. Essays</li> <li>5. Preparation of document and data-based questions</li> <li>6. Internal assessment – portfolio</li> <li>7. Additional reading (e.g. The Economist, The Financial Times, The International New York Times, The Guardian Weekly and The Economic Review)</li> </ol>			
<b><u>IB ECONOMICS SL II</u></b> <b><u>IB ECONOMICS HL II</u></b>	Year-Long Year-Long	Credits: Credits:	1.0 1.0
<p><i>Prerequisite: IB Economics SL/HL I</i></p> <p>These courses in advanced economics complete the two-year IB economics program. One of these courses may be taken as an elective. The appropriate course must be taken by students taking the IB Economics examinations at Standard or Higher Levels. Concepts first introduced in the introductory course are analyzed in depth at a more advanced level. The macro-economic, international economic and development economic topics that are covered in the IB syllabus will be a key part of the course content. The internal assessment component, a portfolio, is an integral part of the course.</p> <p>The course requirements are:</p> <ol style="list-style-type: none"> <li>1. Multiple choice analysis.</li> <li>2. Short response questions.</li> <li>3. Projects.</li> <li>4. Essays.</li> <li>5. Preparation of document and data-based questions.</li> <li>6. Internal assessment – portfolio.</li> <li>7. Additional reading (e.g. The Economist, The Financial Times, The Herald Tribune, The Guardian Weekly, and The Economic Review).</li> </ol>			
<b><u>IB PSYCHOLOGY SL/HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Grades 11-12</i></p> <p>This full-year course is the first half of a two-year program that prepares students for the International Baccalaureate Standard and Higher Level examination in psychology. The focus of the course is the investigation into the causes of human behavior by looking at the biological, cognitive, and sociocultural levels of analysis. The requirements of the internal assessment, which is in the form of a laboratory experiment and associated report, will conclude the first year. Essay writing, utilization of psychological studies and the development of cognitive skills will be a point of emphasis throughout the year.</p>			

<b>IB PSYCHOLOGY SL/HL II</b>	Year-Long	Credits:	1.0
<p>This is the second half of the two-year IB psychology program. The course begins with the introduction of abnormal psychology, which examines the concept of normalcy, origins of psychological disorders, and psychotherapy. The course continues with the investigation of human relationships, which looks at the concepts of altruism, prosocial behavior, attraction, and the psychology of human relationships. The course ends with the exploration of qualitative research methods in psychological studies. Essay writing, utilization of psychological studies and cognitive skills will continue to be a point of emphasis throughout the year.</p>			

## HIGH SCHOOL SOCIAL STUDIES COURSE SEQUENCES / OPTIONS FLOWCHART



## SCIENCE

The AIS science curriculum encourages educational excellence, enables students to realize their potential and instills appropriate values by:

- Asking questions and defining problems
- Developing and using models
- Designing, planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematics and computational thinking
- Constructing explanations and designing solutions
- Engaging in argument from evidence
- Obtaining, evaluating, and communicating information

(Adapted from Next Generation Science Standards)

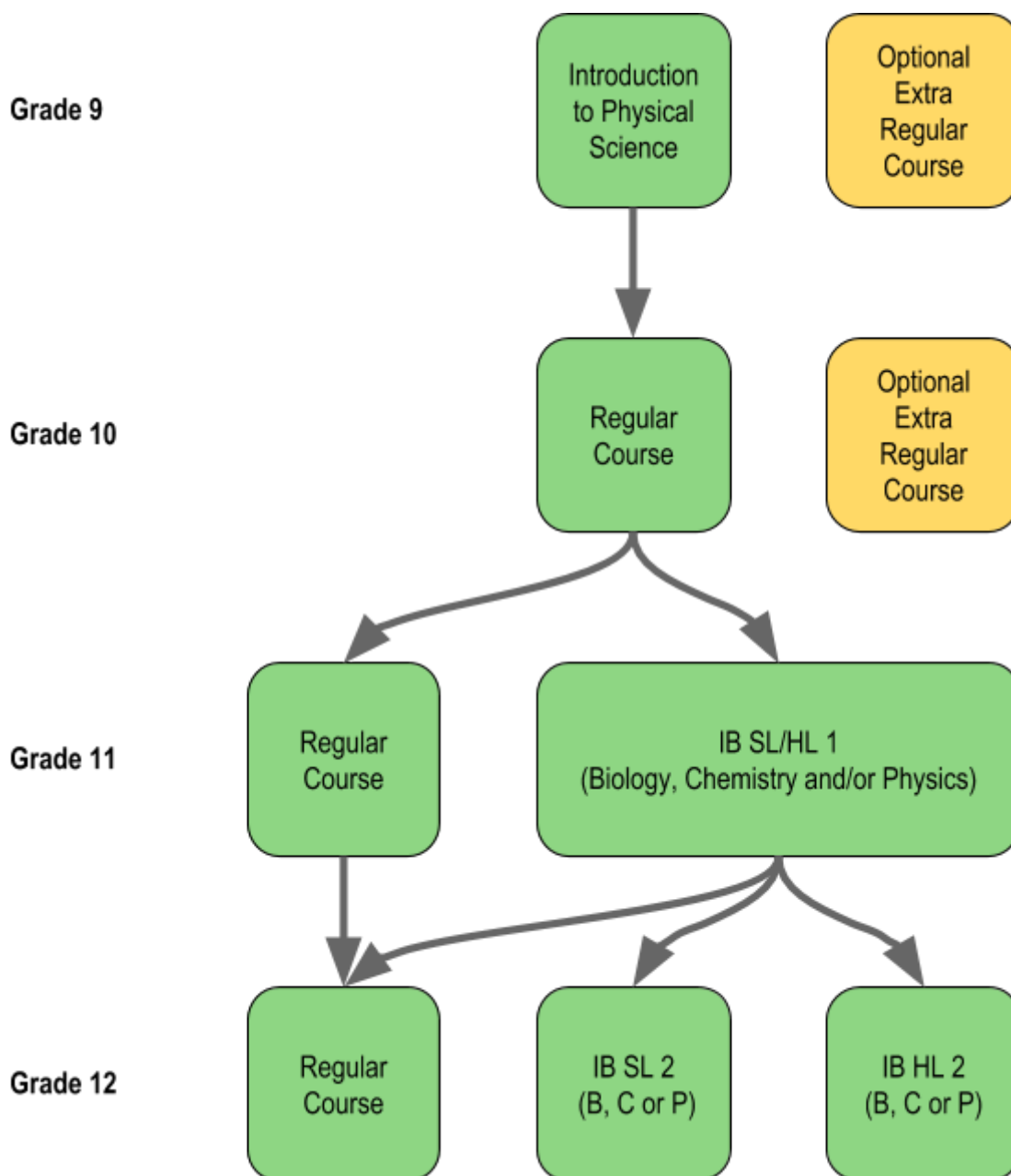
<b><u>INTRODUCTION TO PHYSICAL SCIENCE</u></b>	Year-Long	Credits:	1.0
<p><i>It is intended that all grade 9 students enroll in this course.</i></p> <p>This course includes an introduction to chemistry and physics through an investigative approach. "IPS" provides a foundation for further study in science as it develops skills in observation, use of equipment, lab report writing, analysis of data and problem-solving.</p> <p>Chemistry is the focus of the first semester; units include:-Atomic Structure, the Periodic Table, Nuclear Physics, and Chemical Reactions &amp; Bonding. The second semester provides an introduction to physics, including use of equipment and procedures; units include: Motion, Energy &amp; Heat and a Capstone Project.</p>			
<b><u>BIOLOGY</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of, or concurrent enrollment in, Introduction to Physical Science recommended.</i></p> <p>This one-year course involves investigative laboratory work supported by class discussions. Skills in observation, safety, equipment use and analysis and conclusion are reinforced. Topics covered include the scientific method, cell biology, heredity, genetics (including genetic engineering), evolution theory, classification, the structure and function of the human body, dissection, microbiology, plants and ecology.</p>			
<b><u>CHEMISTRY</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of Introduction to Physical Science plus completion of/concurrent enrollment in Geometry recommended.</i></p> <p>Laboratory work and mathematical problem-solving are two methods emphasized in this concept-oriented course. Topics include historical perspectives, the mole concept, stoichiometry, IUPAC nomenclature, gas laws, atomic structure, bonding, acid-base chemistry and organic chemistry.</p>			
<b><u>PHYSICS</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of Introduction to Physical Science and concurrent enrollment in Algebra II Trig recommended.</i></p> <p>This is an inquiry-based, survey course that develops understanding of key physics concepts. Units are based in applications including to sports, physics of the body, amusement parks, astrophysics, sound &amp; music and electromagnetism. Assessment is via projects, assignments, labs, tests and applied demonstrations of learning. The course builds lab and technology skills, and uses modelling and problem-solving extensively.</p>			



<b><u>ENVIRONMENTAL SCIENCE</u></b>	Year-Long	Credits:	1.0
<p><i>Not Offered in 2018-19</i> <i>Offered in 19-20.</i></p> <p>This survey course uses a systems-based approach to examine the interrelationship between biological, environmental and societal systems. The main topics include: the ecosystem, resources (water, land, air and food), atmosphere, climate and global warming, biodiversity, energy, waste and human population dynamics. Both local and international issues are investigated, often through case studies. A goal is to provide students with the science background needed to analyze contemporary environmental issues. Laboratory investigations and field work give students experience in the scientific method and writing lab reports.</p> <p><i>This course alternates with Geoscience and is offered every other year.</i></p>			
<b><u>GEOSCIENCE</u></b>	Year-Long	Credits:	1.0
<p><i>Offered in 2018-19</i></p> <p>This one-year course is a contemporary, interdisciplinary approach to the study of the changing earth and its environment. The main topics include an introduction to the origin and evolution of the Earth and the solar system, introduction to plate tectonics and the rock cycle, evolution of life and landforms, mineral and energy resources and their management. This is a project-based course that includes labs. Students will study contemporary and critical issues concerning the areas of geo- and environmental sciences, as well as related career paths.</p> <p><i>This course alternates with Environmental Science and is offered every other year.</i></p>			
<b><u>IB BIOLOGY SL/HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of Introduction to Physical Science recommended..</i></p> <p>This course is the first in a two-year program of study for the IB SL or HL examinations in Biology. Topics include: classification, cells, molecular biology, genetics, and human physiology. These topics are studied with a focus on 'The Nature of Science' and within the framework and integration of five themes: scientific endeavor, understanding of science, the objectivity of science, the human face of science and scientific literacy and the public understanding of science. This course supports students who might continue the study of natural sciences at university. Laboratory work, lab reports and the Group 4 Project are integral parts of this course.</p>			
<b><u>IB BIOLOGY SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of IB Biology SL/HL I required.</i></p> <p>This course is the second in a two-year sequence in preparation for the IB SL examination in Biology. Topics include: statistical analysis, evolution and biodiversity and neurobiology and behavior. These topics are studied with a focus on 'The Nature of Science' and within the framework and integration of the five themes: scientific endeavor, understanding of science, the objectivity of science, the human face of science and scientific literacy, and the public understanding of science. This course supports students who might continue the study of natural sciences at university. Laboratory work, laboratory reports and the internal investigation are an integral part of this course.</p>			
<b><u>IB BIOLOGY HL II</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of IB Biology I HL required.</i></p> <p>This course is the second in a two-year sequence in preparation for the IB HL examination in Biology. Topics include: statistical analysis, evolution and diversity, animal physiology, plant biology and neurobiology and behavior. These topics are studied with a focus on 'The Nature of Science' and within the framework and integration of five themes: scientific endeavor, understanding of science, the objectivity of science, the human face of science and scientific literacy and the public understanding of science. Laboratory work and reports are integral parts of the course. This course supports students who might continue the study of natural sciences at university. Laboratory work, lab reports and the internal investigation are integral parts of the this course.</p>			

<b><u>IB CHEMISTRY SL/HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of Introduction to Physical Science and completion of Algebra II Trig or Chemistry recommended.</i></p> <p>This course is the first year of a two-year program of study for the IB SL/HL in Chemistry. Both concepts and quantitative problem solving are emphasized. Topics include atomic structure, stoichiometry, periodicity, structure and bonding, thermochemistry, chemical kinetics, equilibrium and elements of acid-base chemistry. There are extensive laboratory experiences including lab work, and writing lab reports. The internal investigation and Group 4 project are integral parts of the course.</p>			
<b><u>IB CHEMISTRY SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of IB Chemistry SL/HL I required.</i></p> <p>This course is the second year of preparation for the IB SL examinations in Chemistry. Topics include electrochemistry, oxidation/reduction, organic chemistry, medicinal chemistry, spectroscopic methods, measurement and analysis. This course supports students who might continue the study of natural sciences at university. Laboratory work, laboratory reports and the internal investigation are integral parts of this course.</p>			
<b><u>IB CHEMISTRY HL II</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of IB Chemistry SL/HL I required.</i></p> <p>This course is the second year of preparation for the IB HL examinations in Chemistry. Topics include electrochemistry, oxidation/reduction, organic chemistry, medicinal chemistry, spectroscopic methods, measurement and analysis as well as further aspects of bonding, energetics, periodicity of transition metals, and acid-base chemistry. This course supports students who might continue the study of natural sciences at university. Laboratory work, laboratory reports and the internal investigation are integral parts of this course.</p>			
<b><u>IB PHYSICS SL/HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of Introduction to Physical Science; concurrent enrollment in IB Math SL or HL recommended.</i></p> <p>This course is the first year of a two-year program of study for IB SL or HL in Physics. Topics covered include kinematics, dynamics, conservation of energy and momentum, thermal physics, circular motion and gravitation, oscillations and waves, static and current electricity. Laboratory work including an individual project (internal assessment) and the Group 4 Project are integral parts of this course.</p>			
<b><u>IB PHYSICS SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of IB Physics SL/HL I required.</i></p> <p>This course is the second year of preparation for the IB SL examination in Physics. Topics covered include atomic &amp; nuclear physics, energy production, and an option chosen from engineering physics, relativity &amp; astrophysics. Laboratory work including the internal investigation (if not completed in year 1) is an integral part of this course.</p>			
<b><u>IB PHYSICS HL II</u></b>	Year-Long	Credits:	1.0
<p><i>Previous completion of IB Physics HL I required; concurrent enrollment in IB Math SL or HL recommended.</i></p> <p>This course is the second year of preparation for the IB HL examinations in Physics. Topics covered include atomic, nuclear and quantum mechanics, energy production, field theories and electromagnetism; additionally an optional unit is chosen from astrophysics, relativity and engineering physics. This course is appropriate for students who might continue the study of physical sciences or engineering at university. Laboratory work, including the internal investigation (if not completed in year 1), is an integral part of this course.</p>			

## HIGH SCHOOL SCIENCE COURSE SEQUENCES/FLOWCHART



- Regular Classes: Biology, Chemistry, Physics, Geoscience and Environmental Science. Geoscience and Environmental Science are offered in alternate years, depending on enrollment.
- Students may take two regular courses in one year and may complete two IB Science courses at either SL or HL.
- IB Courses: Biology, Chemistry and Physics. (Students taking the full IB Diploma and enrolled in IB Science SL or HL must take the IB exam in their senior year.)

Note: Other course sequences are possible, with teacher and counselor approval. See your counselor and teacher for more information.

## MATHEMATICS

The central goal of teaching mathematics in schools in general is the development of mathematical power for all students. At the American International School, courses in the first two years adhere to the **Common Core State Standards(CCSS), including the Standards for Mathematical Practice**. Through these standards, the department strives to develop students skills in the following.

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning. <sup>1</sup>

Successful completion of math courses in the first two years of high school prepares students for further study in one of following course offered by the International Baccalaureate: Mathematical Studies Standard Level, Standard Level Mathematics, Higher Level Mathematics and Higher Level Options.

The department strongly recommends a student takes four years of mathematics in high school.

Students in all mathematics classes must own a graphics calculator. Students will be using computers or graphics calculators to explore and investigate different mathematical concepts. Students may buy this calculator on their own, or they can make use of the school's channels to get relatively low-priced items (~100 €). (See members of the mathematics department for more detailed information).

Students are recommended to maintain a C average or higher in all mathematics courses which are prerequisites for a higher level course. For courses in which a minimum grade requirement from a prerequisite course is indicated, a student's current teacher may approve placement. New students will be asked to sit for a placement test in order to be placed in any of the courses.

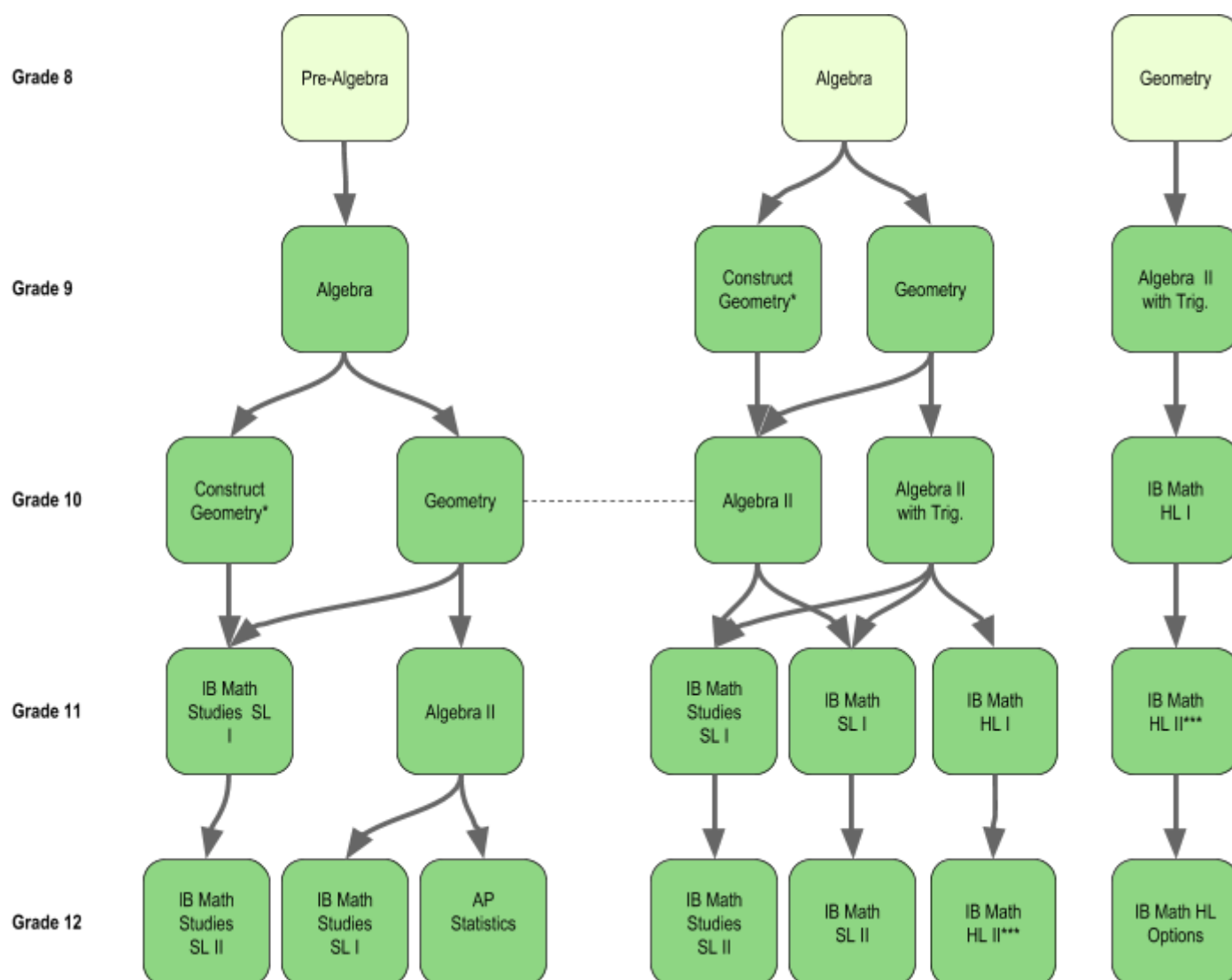
<b><u>ALGEBRA</u></b>	Year-Long	Credits:	1.0
This is one of two courses that will cover the material which is necessary to prepare students for other mathematics courses leading to a solid college preparation. Topics in this course will include algebraic operations, lines and distances, linear equations, exponents and powers, polynomials, systems, parabolas and functions. Throughout the course, students revise previously taught concepts such as ratios, percentages and fractions.			
<b><u>CONSTRUCTIVE GEOMETRY</u></b>	Year-Long	Credits:	1.0
<i>Prerequisite: Algebra</i>			
This course is designed for students who have successfully completed Algebra.. The course emphasizes practical application of algebra and geometry and includes many laboratory and "hands-on" experiences.This course will focus on preparation for transition into IB Mathematical Studies. Content will include basic Geometric Concepts such as Points, lines, planes and angles, Pythagoras' theorem, two-dimensional shapes, area, perimeter, right triangle trigonometry and coordinated Geometry. In addition, this course will address Algebra topics which are prerequisite to IB Mathematical Studies such as number properties, simplifying algebraic expressions, solving linear and quadratic equations, simultaneous linear equations, inequalities, absolute value, proportions,, linear and quadratic functions, rules of exponents. In addition, basic statistical concepts will be introduced. Focus will be on mathematical skills and problem-solving strategies.			
<b><u>GEOMETRY</u></b>	Year-Long	Credits:	1.0
<i>Prerequisite: Algebra and teacher recommendation</i>			
This is a course in Euclidean geometry, planes and solids. Emphasis is on problem-solving. Students will be working on the visualization, comparison, computation and classification of geometric figures in a variety of situations. Topics in this course will include points and lines, transformations, polygons, congruence, similarity, 3D geometry, coordinate geometry, surface areas, volumes, and logic. Previously taught algebraic concepts will be frequently revisited and extensively used in solving geometric problems.			

<sup>1</sup> "Standards for Mathematical Practice." *Common Core State Standards Initiative*, 2017, [www.corestandards.org/Math/Practice/](http://www.corestandards.org/Math/Practice/). Accessed 16 Feb. 2017.

<b><u>ALGEBRA II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Constructive Geometry or Geometry (minimum grade of C, both semesters)</i></p> <p>This course is a continuation of Algebra I and Geometry. . Topics in this course will include linear relations, functions, powers and roots, polynomials, logarithmic functions, and geometric trigonometry. Students successfully completing this course will be prepared for IB Mathematical Studies SL as well as IB Standard Level Mathematics. Students wishing to take IB Higher Level should enroll in Algebra II with Trigonometry.</p>			
<b><u>ALGEBRA II WITH TRIGONOMETRY</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Geometry (minimum grade of B both semesters)</i></p> <p>This course is a continuation of Algebra I and Geometry. It covers the same topics as Algebra II in addition to further topics such as matrices, and analytic trigonometry, i.e. trig functions, equations, and identities. In addition to the extra topics, content in this course will be in taught in more depth with the intent to maximize preparation for students moving on to IB Higher Level Mathematics.</p>			
<b><u>AP STATISTICS</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Algebra II or IB Mathematical Studies SL II and teacher recommendation</i></p> <p>This is a non-calculus based statistics course. Its purpose is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.</p> <p>This course explores four major themes:</p> <ol style="list-style-type: none"> <li>1. Exploring data: Observing patterns and departures from patterns.</li> <li>2. Planning a study: Deciding what and how to measure.</li> <li>3. Anticipating patterns in advance: Producing models using probability and simulation.</li> <li>4. Statistical inference: Confirming models.</li> </ol> <p>Students who complete the course and score well on the AP exam may receive credit and/or advanced placement for a one semester introductory college statistics course at most North American colleges and universities. Students are expected to take the AP Statistics exam at the end of the course.</p> <p><i>This course is offered subject to sufficient enrollment.</i></p>			
<b><u>IB MATHEMATICAL STUDIES SL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Geometry or Constructive Geometry and Algebra II</i></p> <p>First year of a two year course in IB Mathematical Studies. The following topics will be covered over the two year program: Number Properties, Measurement, Laws of Algebra, Equations and Formulae, Pythagoras' Theorem, Coordinate Geometry, Perimeter, Area, and Volume, Trigonometry, Sets, Set Builder Notation, Function, Quadratic Functions, Exponential Functions, Sequences and Series, financial mathematics, descriptive and inferential statistics, probability, sets, logic, mathematical models, and an introduction to differential calculus. Students planning to continue with Math Studies will start a project at the end of the first semester, and carry it on into IB Math Studies II the following year.</p>			
<b><u>IB MATHEMATICAL STUDIES SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Mathematical Studies I</i></p> <p>This course is for those who wish to take the IB examination in Standard Level Mathematical Studies. This course will continue where IB Math Studies SL I stopped. Students will be writing a project as part of their IB requirements.</p>			

<b><u>IB MATHEMATICS SL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Algebra II min grade B (both semesters); Algebra II Trig, min grade C (both semesters) and Geometry (minimum grade of C, both semesters)</i></p> <p>This course is the first of a two year study in IB Standard Level Mathematics. It is intended for those who wish to prepare for the IB SL exam or AP courses. Topics covered over the two years will include exponential and logarithmic functions, sequences and series, polynomial functions, quadratic relations, trigonometric functions, circular functions, trigonometric identities and equations, vectors, limits, logarithmic and trigonometric functions, integrals, applications of derivatives and integrals, vectors, basic statistics, and probability. The IB SL exam will be administered at the end of the second year. Mathematical Explorations will be an integral part of the course and may continue into the second year.</p>			
<b><u>IB MATHEMATICS SL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB Mathematics SL I (minimum grade of B-, both semesters)</i></p> <p>This course is the second year of IB Mathematics Standard Level and will resume where year IB SL I stopped. This course is for those who wish to take the IB Math Standard Level examination.</p> <p>A Grade 11 student may register for this IB exam as a "certificate" only, and therefore, may not count it towards their IB Diploma.</p>			
<b><u>IB MATHEMATICS HL I</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Algebra II with Trigonometry (minimum grade of B, both semesters) and Geometry (minimum grade of B, both semesters)</i></p> <p>This course is the first of a two year study of IB Higher Level Mathematics. It is intended for those who wish to prepare for IB HL Exam or AP courses, or for those who want to be more prepared for their college education. Topics over the two years will include exponential and logarithmic functions, sequences and series, polynomial functions, quadratic relations, trigonometric functions, circular functions, trigonometric identities and equations, polar coordinates, complex numbers, vectors, limits, derivatives of polynomial, logarithmic and trigonometric functions, integrals, applications of derivatives and integrals, 3-D vectors and planes, methods of integration, and infinite and power series. The IB SL exam will be administered at the end of the second year. Mathematical Explorations will be an integral part of the course and may continue into the second year.</p>			
<b><u>IB MATHEMATICS HL II</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB Mathematics HL I (minimum grade of B, both semesters)</i></p> <p>This course is the second year of IB Mathematics Higher Level and will resume where year IB HL I stopped. This course is for those who wish to take the IB Math Higher Level examination or the AP Calculus AB/BC examination.</p> <p>A Grade 11 student may register for this IB exam as a "certificate" only, and therefore, may not count it towards their IB Diploma.</p>			
<b><u>IB MATHEMATICS HL OPTIONS</u></b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: IB Mathematics HL II</i></p> <p>This course is for those who wish to take one of the options on the IB Higher Level examination, or for those who want to be highly prepared for university mathematics. Topics will include data, functions and models, probability, probability distributions including binomial and normal distributions, t-distribution, poisson and X2 distribution, estimation and hypothesis testing, graph theory, combinatorics, group theory, matrices, and transformations and their applications to complex numbers.</p>			

## HIGH SCHOOL MATHEMATICS COURSE SEQUENCES/FLOWCHART



\* Constructive Geometry and AP Statistics may be offered intermittently, depending on enrolment.

\*\* Students taking the full IB Diploma and enrolled in IB Math SL or HL must take the exam in their senior year.

\*\*\* Students taking the IB Math HL II are eligible to take the AP Calculus AB/BC examination.

Students who will begin Grade 11 in the 2019-2020 school year will have new options for mathematics due to an upcoming change in IB mathematics curriculum. There will be two new courses offered both at higher and the standard level. A brief description of the course are below. As the curriculum is still in development, further details will be available at a later date.

**Math Applications and Interpretations:** This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics.

**Math Analysis and Approaches:** This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology.

## THE ARTS

*Inspiration demands active cooperation of the intellect joined with enthusiasm, and it is under such conditions that marvelous conceptions, with all that is excellent and divine, come into being. - Giorgio Vasari*

## VISUAL ARTS

Visual Arts courses are structured around Concepts, Research and Skills on four levels. Art I, II, III and IV are designed to accommodate the American diploma, the need for images for a university portfolio, and/or the interest for an IB Visual Art Certificate or Full IB Diploma. Art I is structured with a focus on the use of both contemporary and traditional materials, techniques and skills laced with directed conceptual idea development.. Art II focuses on multiple thematic connections with an additional assortment of materials and techniques for continued development. Art III encourages more independent work and personal focus with assigned materials for continued development. In Art IV, students independently provide the concept, focus and material choice while the teacher's role becomes more of a facilitator. Emphasis is placed on greater individualized instruction based on personal direction. Assessment for Art III and Art IV courses are based on the IB criteria but vary in expectation based on two assessment rubrics: one designed to meet the IB diploma criteria and the other to meet a more general (less intense) visual art credit.

**All High School Visual Arts courses require studio and journal work.**

<b>ART I: FOUNDATIONS</b>	Year-Long	Credits:	1.0
<p>Art I: Foundations is a beginning Visual Arts course and a prerequisite for further studies in the arts. The syllabus is divided into two major components: studio and journal investigation (sketchbook). This full-year course focuses on hands-on practices in various disciplines of the visual arts including: Drawing, Painting, Sculpture and Printmaking with specific assignments related to digitally oriented and developmental skills as well as cultural, contextual and historical investigations. The foundation year provides an introduction to a variety of materials as well as techniques and emphasizes risk taking and decision making toward the creation of personal marks and original images. All studio work materials are provided. Additional materials for homework are suggested. An A4 sketchbook is required and provided by the art department. All students keep a digital portfolio which includes an artist statement and images of their artworks and a selection of journal/sketchbook pages created throughout the year.</p>			
<b>ART II: EXPLORATIONS</b>	Year-Long	Credits:	1.0
<p><i>Prerequisite: Art I: Foundations</i></p> <p>This course is an extension of Art Foundations with a syllabus that moves the student into more depth and sophistication regarding concept, focus, symbolism, culture, art history and personal connections. Art II continues to emphasize hands-on practices while students explore a wide range of applications and subject matter related to the art form that is being studied. Students will continue investigations with assignments that analyze and synthesize information and experiences through artist research, real and still life sketches, plans for studio project development, reviews of gallery shows and studies concerning the Elements of Art and Principles of Design. Art II students will be encouraged to become more independent in their concepts and focus as they develop a more personal and creative application of the projects assigned. All studio work materials are provided. Additional materials for homework are suggested. An A4 sketchbook is required and provided by the art department. All students continue the practice of keeping a digital portfolio of images created.</p>			
<b>ART III: ADVANCED A IB VISUAL ARTS SL/HL I</b>	Year-Long Year-Long	Credits: Credits:	1.0 1.0
<p><i>Prerequisite: Art II: Explorations or Art I: Foundations with approval from the art instructor</i></p> <p>This course is the first of the advanced level visual arts classes that also meets the criteria for the IB Visual Arts SL/HL. The course is assessed with two rubrics: one to meet the AIS Visual Arts Standard with an extension to the syllabus designed to meet the criteria for assessment. The first half of the course is designed to push personal interest and decision-making in terms of concept and focus while receiving instruction and guidance through more sophisticated and in depth understanding.</p> <p>Exploration with material use, more personal investigations of concepts and contexts, a greater understanding of good composition promotes individual solutions and encourages the development of visual content and voice. Students explore a variety of media in the direction of their personal theme. Toward the later part of the second semester, students will begin to pursue their own ideas with relation to their own choice of media with more independent work. All students are required to keep an Investigation Workbook that supports studio assignments with gallery visits, extensive research, experimentation and personal connections as well as conclusions. Homework includes a minimum of two or three hours/week, depending on the diploma choice. Investigation Workbooks are provided. All students keep a digital portfolio of images; IBVA students keep additional records for their Comparative Study and Process Portfolio to meet the IBVA assessment criteria.</p>			



<b>ART IV: ADVANCED B</b> <b>IB VISUAL ARTS SL II</b> <b>IB VISUAL ARTS HL II</b>	Year-Long Year-Long Year-Long	Credits: Credits: Credits:	1.0 1.0 1.0
<p>Prerequisite: Art III: Advanced A or IB Visual Arts SL/HL I and teacher recommendation (a portfolio review may be requested)</p> <p>This course is the most advanced level of the Visual Arts and the most independent. It is the second year of the sequential IB Visual Art requirement and the fourth level for the American diploma. This course is designed for the independent learner who is passionately interested in the visual arts, the art student working toward an advanced portfolio of images and investigations, or the IB Visual Arts student who is planning to meet the requirements for the IB Visual Art examination. Students will work toward a personal theme/topic/focus.</p> <p>This course requires a variety of hands-on-art-making practices limited only by personal direction, determination and available resources. All students are required to keep an Investigation Workbook that supports studio assignments with gallery visits, extensive research, experimentation and personal connections include revisions and final reflections regarding conclusions. As in Art III, this course is assessed with two rubrics: one to meet a general art criteria, and the other designed to meet the criteria of IB Visual Arts for the IB examination (the IBVA assessment varies depending on choice of SL/HL) . This is a rigorous course that requires a minimum of three-five hours of homework per week. Investigation Workbooks are provided. All students keep a digital portfolio; IBVA students continue a digital documentation for the Comparative Study and Process Portfolio.</p>			

## THEATER ARTS

<b><u>DRAMA</u></b>	Year-Long	Credits:	1.0
<p>Drama is for high school students with a genuine interest in theater arts. The class is conducted with an ensemble technique, where each individual is valued for his or her own merits, and where the process rather than the product is the goal. Through individual, duet and small group work, the students will have the opportunity to explore a wide range of theater performances, from pantomime to improvisation, and from vocal work to script analysis. Students will learn the elements, the terms and the conventions of the theater. They will be evaluated on creativity, effort, and cooperation with their director and their peers. At the end of the course, students will have gained a practical understanding of the process of making theatre and a new appreciation for the artform itself.</p> <p>This course may not be repeated.</p> <p>(In cases of low enrollment for this course, students may take an IB Theater Arts course for drama elective credit.)</p>			
<b><u>IB THEATER ARTS SL / HL I</u></b>	Year-Long	Credits:	1.0
<b><u>IB THEATER ARTS SL II</u></b>	Year-Long	Credits:	1.0
<b><u>IB THEATER ARTS HL II</u></b>	Year-Long	Credits:	1.0
<p>Prerequisite: Drama is recommended</p> <p>IB Theater Arts class is a two-year advanced theatre course for students seriously interested in theatre arts. In this course, students follow the syllabus designated by the IB program and focus on three core areas of theater arts: <b>presenting theatre, theatre in context, theatre processes</b>. IB Students will be evaluated on four major assessments: (1) <b>solo theatre piece</b> based on a theatrical theorist (higher level only) (2) <b>director's notebook</b> outlining the student's concept for staging a published play text (3) <b>research presentation</b> before the class of a theatre tradition (4) <b>collaborative project</b> creating an original piece of theatre from a starting point of the student's choice. IB candidates are both internally and externally assessed. Students in the IB Theatre Arts course will also have the opportunity to see a range of live plays and theatrical performances which they will evaluate and document in their theatre journal. Students not enrolled in the full IB diploma are also welcome to take this course and will be evaluated on academic standards of the program.</p>			

## MUSIC

<b><u>CONCERT CHOIR</u></b>	Year-Long*	Credits:	1.0
<p>Concert Choir develops the student's ability to read music and to sing with proper technique. Students perform a minimum of four concerts per year and often perform for festivals and concerts outside of school. Students have the opportunity to audition for the AMIS- Association for Music in International Schools-International Honor Choir. Students will study and perform many styles of music, including spirituals, popular music, and classical pieces in order to properly develop as a singer.</p> <p>Large choral works such as <i>Carmina Burana</i>, Handel's <i>Messiah</i>, the the Mozart <i>Requiem</i> have been studied in the past few years and performed in Carnegie Hall in NYC, Vienna's Minoritenkirche, and Lincoln Center in NYC. This trips are optional but highly recommended for even the beginning singers. This course may be repeated.</p> <p>No experience necessary.</p> <p><i>*IB TOK students may join this course for a semester.</i></p>			
<b><u>CONCERT BAND</u></b>	Year-Long*	Credits:	1.0
<p><i>A minimum of two years' experience is required on one of the following instruments: flute, oboe, bassoon, clarinet, saxophone, trumpet, horn, trombone, baritone, tuba, or percussion. Keyboard students may join as percussionists, with the director's consent.</i></p> <p>High School Concert Band develops student technique and range on a band instrument. The band performs a wide variety of music, including traditional concert band works, classical transcriptions, ragtime and jazz arrangements for full band, and pieces from modern composers. Students perform a minimum of four school concerts and often perform in festivals and concerts outside of school. Band members may audition for the International Honors Band and/or Jazz Band Festivals. This course may be repeated.</p> <p><i>*IB TOK students may join this course for a semester</i></p>			
<b><u>STRING ENSEMBLE</u></b>	Year-Long*	Credits:	1.0
<p><i>Prerequisite: Intermediate proficiency or at least three consecutive years of prior experience on violin, viola, cello or double bass.</i></p> <p><i>Private one-to-one instrumental instruction is highly recommended.</i></p> <p>The High School String Ensemble course is based on concert preparation, which includes many performances throughout the school year. Emphasis will be placed on bow technique development, left hand facility, accuracy of intonation, music reading and especially ensemble performance skills. The goal of this ensemble is to aid students in experiencing creative self-expression through the development of proficiency in playing a string instrument within a string ensemble setting.</p> <p><i>*IB TOK students may join this course for a semester</i></p>			
<b><u>INTRODUCTION TO GUITAR</u></b>	Year-Long	Credits:	1.0
<p>This course is an exciting introduction to instrumental music. Students with little or no musical training or guitar experience will enjoy a hands-on approach to learning guitar. In the first semester, students will learn the fundamentals of proper guitar playing, and playing songs using both 3- and 4-string chords. Students will have the opportunity to perform duets and trios. The second semester will focus on playing pop songs, expanded playing with chords, finger picking and learning how to read TABs. Bass guitar is also available for interested students.</p>			

## OTHER ARTS ELECTIVES

<b><u>FINE ARTS</u></b>	Year-Long	Credits:	1.0
<p>Fine Arts is designed as a cultural exploration of the city of Vienna. Students attend concerts, plays, ballets, operas, and musical productions. They will take several field trips to historically and architecturally interesting areas of the city in order to enhance their knowledge of the importance of the city in which they live. During class time, students prepare for each event they will see through reading, lectures, visual aids and group discussion. Students will culminate each activity with a review or evaluation of each performance.</p> <p><b>Student cost: 300 €</b></p> <p>This course may not be repeated.</p>			
<b><u>STUDENT SOUND AND LIGHT TECHNICIAN</u></b>	Semester	Credits:	0.5
<p><i>Prerequisite: Interest in the art of light and sound technology and a willingness to be the theatrical light and sound technician for a wide range of performance events in the theatre</i></p> <p><i>Students must interview for the position of Student Sound and Light Technician with the Theater Coordinator, Mr. Marinucci</i></p> <p>The Student Sound and Light Technician is an independent study Theater Arts position for one or two junior and/or senior students, selected by the Theater Coordinator, focusing on the maintenance and safety of the sound and light booth and equipment. The student provides technical assistance to those organizing dances, concerts, lectures, plays and performances. The student Sound and Light Technician meets regularly with the Theater Coordinator to establish and oversee impending technical needs. This student will also make sure that the lighting and sound equipment is always in working order and that clear and accessible working instructions and help is available to anyone wishing to use the equipment. The student technician will advise and mentor middle school technicians as well as keep a journal of all technical work and the hours spent on each project. The Theater Coordinator will evaluate this work and grant a pass/fail grade each quarter.</p> <p>This course may be repeated up to four semesters.</p>			
<b><u>ART OF MOVEMENT</u></b>	Year-Long	Credits:	1.0
<p><i>"Dance is the hidden language of the soul." - Martha Graham</i></p> <p>This interdisciplinary course combines the study of performing arts and physical education. Dance is a unique medium of learning about oneself and the world. It is an essential component of artistic, aesthetic and cultural education and develops creative potential through physical, non-verbal expression. In dance, the integration of body, mind, and spirit helps participants learn skills that are transferable to other disciplines and to their daily lives. This course maintains a holistic approach to dance and embraces a variety of traditions and dance cultures. Performance, creative and analytical skills are mutually developed and valued whether the students are doing historical and contemporary investigation or creating and performing dances. Students who seek life enrichment through dance are also invited to participate in this course. This course may be repeated.</p> <p><b>Student Cost: 50 € for performances and dance workshops.</b></p> <p><i>This course may be used for Art, PE, or Elective credit. In any given year, only one of the three options may be applied. If Art of Movement and PE are taken in the same year, only one course may be used as a PE credit for that year. Students who take this course for PE credit will be released from class for Health units covered in the PE class.</i></p>			

## HIGH SCHOOL ARTS COURSE SEQUENCES

4-YEAR COURSE OPTIONS	SUGGESTED COURSE SEQUENCE			
	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<b>US DIPLOMA</b>	Art I: Foundations  Drama  Concert Choir* String Ensemble* Concert Band* Introduction to Guitar  Fine Arts Art of Movement*	Art I: Foundations Art II: Explorations  Drama  Concert Choir* String Ensemble* Concert Band* Introduction to Guitar  Fine Arts Art of Movement*	Art I: Foundations Art II: Explorations Art III: Advanced A  IB Visual Arts SL/HL I  Drama IB Theater Arts SL/HL I  Concert Choir* String Ensemble* Concert Band* Introduction to Guitar  Fine Arts Art of Movement* Student Sound & Light Technician*	Art I: Foundations Art II: Explorations Art III: Advanced A Art IV: Advanced B IB Visual Arts SL/HL II  Drama IB Theater Arts SL/HL I IB Theater Arts SL/HL II  Concert Choir* String Ensemble* Concert Band* Introduction to Guitar  Fine Arts Art of Movement* Student Sound & Light Technician*
	<b>IB DIPLOMA OR IB COURSES</b>	Art I: Foundations	Art II: Explorations	Art III: Advanced A  IB Visual Arts SL I IB Visual Arts HL I  IB Theater Arts SL/HL I  IB Visual Arts SL II IB Visual Arts HL II  IB Theater Arts SL II IB Theatre Arts HL II

\*Course may be repeated

## PHYSICAL EDUCATION/HEALTH

"Healthy mind in a healthy body." - Juvenal 85 AD

A physically educated person:

- HAS acquired the skills necessary to perform a variety of physical activities
- IS physically fit
- PARTICIPATES regularly in physical activity
- UNDERSTANDS implications and benefits of involvement in physical activities
- VALUES physical activity and its contributions to a healthy lifestyle.

Two years of PE credit are required for graduation.

<b><u>PHYSICAL EDUCATION / HEALTH</u></b>	Year-Long	Credits:	1.0
<p>Core units include volleyball, softball, soccer, basketball, and health.            Minor units include floor hockey, tumbling, archery, badminton, short tennis, ultimate Frisbee, orienteering, handball, touch rugby, and football.</p> <p>Fitness Challenges are administered twice a year. They include the mile run, 35-meter sprint, flexibility, push-ups, and standing broad jump. The purpose of the Fitness Challenges is to measure one's improvement and to promote awareness in one's fitness level. Students are assessed and evaluated in the following areas: Organizational skills, Expectations for Participation, Effort &amp; Fitness Development and Skill Development.</p> <p>Health core topics are incorporated in the PE curriculum as a unit. Each year different topics are taught and they include the following:            Year 1: Analyzing influences; Interpersonal communication skills            Year 2: Decision making; Goal setting; Self management</p>			
<b><u>PERSONAL PHYSICAL FITNESS &amp; HEALTH</u></b>	Year-Long	Credits:	1.0
<p>Personal Physical Fitness class focuses on improving student's fitness knowledge and skills through different workouts in the fitness room and improve their skills in lifelong sports like racquet sports. Students will spend their time improving different fitness components like stamina, strength, agility and flexibility with personal workouts and will learn how to design and personalize workout plans.</p> <p>Fitness Challenges are administered twice a year. They include the mile run, 35-meter sprint, flexibility, push-ups, and standing broad jump. The purpose of the Fitness Challenges is to measure one's improvement and to promote awareness in one's fitness level. Students are assessed and evaluated in the following areas: Organizational skills, Expectations for Participation and Effort &amp; Fitness</p> <p>Health core topics are incorporated in the PE curriculum as a unit. Each year different topics are taught and they include the following:            Year 1: Analyzing influences; Interpersonal communication skills            Year 2: Decision making; Goal setting; Self management</p>			
<b><u>ART OF MOVEMENT</u></b>	Year-Long	Credits:	1.0
<p><i>"Dance is the hidden language of the soul." - Martha Graham</i></p> <p>This interdisciplinary course combines the study of performing arts and physical education. Dance is a unique medium of learning about oneself and the world. It is an essential component of artistic, aesthetic and cultural education and develops creative potential through physical, non-verbal expression. In dance, the integration of body, mind, and spirit helps participants learn skills that are transferable to other disciplines and to their daily lives. This course maintains a holistic approach to dance and embraces a variety of traditions and dance cultures. Performance, creative and analytical skills are mutually developed and valued whether the students are researching for presentations or creating and performing dances. Students who seek life enrichment through dance are also invited to participate in this course. This course may be repeated.</p> <p><b>Student Cost: 50 € for performances and dance workshops.</b></p> <p>This course may be used for Art, PE, or Elective credit. In any given year, only one of the three options may be applied. If Art of Movement and PE are taken in the same year, only one course may be used as a PE credit for that year. Students who take this course for PE credit will be released from class for Health units covered in the PE class.</p>			

## ADDITIONAL COURSES

All courses, taken beyond the graduation requirement in a subject area, earn elective credits.

<b><u>IB THEORY OF KNOWLEDGE I</u></b>	Second Semester	Credits:	0.5
<p><i>Required for and only available to grade 11 students enrolled in the full IB Diploma Program.</i></p> <p>Theory of Knowledge is an introduction to epistemology—the study of knowledge. It is perhaps best understood as a class in critical thinking. The course examines Knowledge Questions (KQs) within the various Areas of Knowledge (AOKs) that comprise the IB curriculum and in our lives more generally. The student as knower is central to the concept of the course, and a significant emphasis is put on the ways in which we each shape and reshape our own world view as we make our way in life. This course asks each of us to consider what forces act on our concepts of self and culture and what implications these may have for knowledge.</p> <p>The first semester of the course asks students to explore how the so-called Ways of Knowing (WOKs) interact with each other to create and justify our various claims to knowledge. Some emphasis is put upon the concepts of Shared Knowledge and Personal Knowledge, and how the two may influence each other. The first semester ends with a formal TOK Presentation on a Real Life Situation (RLS) of the student's choice which is internally assessed for 30% of the IB score associated with the class. This internal score is subject to moderation.</p>			
<b><u>IB THEORY OF KNOWLEDGE II</u></b>	First Semester	Credits:	0.5
<p><i>Required for and only available to grade 12 students enrolled in the full IB Diploma Program.</i></p> <p>The second semester of the course focuses on each of the AOKs in some detail to determine how each shapes its claims to knowledge and what conflicts may exist between the methods applied in various disciplines. Early in the semester, the IB sets six Prescribed Titles for the TOK Essay. Each student will select one title and design an essay of 1600 words to respond to its implications. This essay is externally examined, and the score it receives comprises 70% of the score for the course.</p>			
<b><u>NARRATIVE WRITING</u></b>	Year-Long	Credits:	1.0
<p><i>Open to all HS students.</i></p> <p>This semester course explores the practice and techniques of narrative writing through fiction and non-fiction. Through intra-class criticism (where the student is expected to be able to speak cogently about his fellow students' work), outside reading, and specific writing assignments that address students' interests and desired writing style, the class will create a published document of various text types. Those who select this elective must be responsible enough to meet deadlines, creative enough to produce engaging work, and interested in the art of writing with the goal to continually improve. The student is given a chance to express him/herself creatively but not indulgently. Students interested in journalism and/or creative writing may be interested in taking this class.</p> <p>This course is an English elective for enrichment, and DOES NOT satisfy the English credit requirement.</p> <p>(This course is offered subject to sufficient enrollment).</p>			
<b><u>YEARBOOK</u></b>	Year-Long	Credits:	1.0
<p><i>By permission of the instructor.</i></p> <p>In this course, each student is given full responsibility for all aspects of a specified section of the yearbook, including organization, layout, design, text, photography and editing. Students enrolled in this course could have after- and outside-school obligations, including working or photography sessions. Interested students with a willingness to learn organizational skills, photography, design and journalism skills are encouraged to register.</p> <p>This course can be repeated.</p>			

<b><u>TECHNOLOGY EXPLORATIONS</u></b>	Semester 1 Semester 2	Credits: Credits:	0.5 0.5
<p><i>Grades 9-12 and can be taken for either one or both semesters.</i></p> <p>In this project based class students will explore a variety of technology concepts and ideas as well as research, presentation and design skills. Topic options include programming, app development, 3D printing, animation, robotics, video production, as well as skills to help students use technology productively in their other classes.</p>			
<b><u>COMPUTER SCIENCE &amp; PROGRAMMING</u></b>	Year-Long	Credits: Credits:	0.5 0.5
<p>This course is designed for second year TechEx students and/or students with a strong mathematical/ programming background. With a unique focus on creative problem solving and real-world applications, the Computer Science &amp; Programming course gives students the opportunity to explore several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value, and develop an interest in computer science that will foster further endeavors in the field. This course will be using the CodeHS Computer Science Principles curriculum, which has been pre-approved by College Board's AP Course Audit as meeting or exceeding the curricular expectations colleges, and universities have for this subject.</p> <p><i>As an alternative/ addition, students can also chose a curriculum focused on the C# programming language and Game Development. Students will develop C# programming skills through practical code exercises using the industry standard IDE Visual Studio.</i></p>			
<b><u>AP COMPUTER SCIENCE PRINCIPLES</u></b>	Year Long	Credits: Credits:	0.5 0.5
<p>AP Computer Science Principles is the newest AP course from the College Board, and became an official AP course in the 2016-17 school year. This course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society.</p> <p>With a unique focus on creative problem solving and real-world applications, the CodeHS AP Computer Science Principles course gives students the opportunity to explore several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value, and develop an interest in computer science that will foster further endeavors in the field.</p>			
<b><u>AP COMPUTER SCIENCE A</u></b>	Year Long	Credits: Credits:	0.5 0.5
<p>The CodeHS AP Java course is a year-long course designed to help students master the basics of Java and equip them to successfully pass the AP Computer Science A Exam at the end of the school year. All learning materials and resources students need for a successful year-long AP Java course will be given through the CodeHS website.</p>			
<b><u>STUDY SKILLS</u></b>	Year-Long	Credits:	0
<p><i>Student Services Team recommendation required.</i></p> <p>Study Skills is assigned to students who have been designated by the Student Services Team (comprising the Learning Specialist, Counselor, Dean of Curriculum &amp; IB Coordinator, Principal, and relevant members of the faculty), based upon an established set of criteria. For more information, students should speak with the learning specialist or their counselor. The Study Skills program focuses upon developmental strategies and study skills that increase a student's level of functioning in her/his classes. It should be noted that this program is not meant to serve students as a tutorial for subject content.</p> <p><i>Credit: This is a support course. No grade or credit is applied toward graduation for this program.</i></p>			



## HIGH SCHOOL COURSES 2018-2019

ENGLISH
Course Title
English 9
English 10
EAL Literature 9
EAL Literature 10
IB English A: Literature SL/HL I
IB English A: Literature SL II
IB English A: Literature HL II
IB English A: Language and Literature SL I
IB English A: Language and Literature SL II
IB English B HL I
IB English B HL II

SOCIAL STUDIES
Course Title
World History 9
Modern European History
International Relations I - Model United Nations (Semester 1 Only)
International Relations II - Global Issues (Semester 2 Only)
United States History
IB History SL/HL I
IB History SL II
IB History of Europe HL II
IB Economics SL/HL I
IB Economics SL II
IB Economics HL II
IB Psychology SL/HL I
IB Psychology SL II
IB Psychology HL II

MODERN LANGUAGES
Course Title
German Advanced A
German Advanced B
German Native 9
German Native 10
IB German A: Literature SL/HL I
IB German A: Literature SL II
IB German A: Literature HL II
IB German A: Language and Literature SL/HL I
IB German A: Language and Literature SL II
IB German A: Language and Literature HL II
German Basic A
German Basic B
German Intermediate A
German Intermediate B IB German B SL I
German Intermediate C IB German B SL II
IB German B HL I
IB German B HL II
French Basic A
French Basic B
French Intermediate A
French Intermediate B IB French B SL I
French Intermediate C IB French B SL II
IB French B HL I
IB French B HL II
Spanish Basic A
Spanish Basic B
Spanish Intermediate A
Spanish Intermediate B IB Spanish B SL I
Spanish Intermediate C IB Spanish B SL II

## HIGH SCHOOL COURSES 2018-2019

SCIENCE
Course Title
Introduction to Physical Science
Biology
Chemistry
Physics
Environmental Science (offered in 2017-18)
Geoscience (not offered in 2018-19, Offered 2019-20)
IB Biology SL/HL I
IB Biology SL II
IB Biology HL II
IB Chemistry SL/HL I
IB Chemistry SL II
IB Chemistry HL II
IB Physics SL/HL I
IB Physics SL II
IB Physics HL II

MATHEMATICS
Course Title
Algebra
Constructive Geometry
Geometry
Algebra II
Algebra II with Trigonometry
AP Statistics *
IB Mathematical Studies SL I
IB Mathematical Studies SL II
IB Mathematics SL I
IB Mathematics SL II
IB Mathematics HL I
IB Mathematics HL II
IB Mathematics HL Options

\* Subject to enrollment

\*\* Upon approval of the Student Services Team

THE ARTS
Course Title
Art I: Foundations
Art II: Explorations
Art III: Advanced A * IB Visual Arts SL/HL I
Art IV: Advanced B IB Visual Arts SL II IB Visual Arts HL II
Drama
Fine Arts
Student Sound and Light Technician
IB Theater Arts SL/HL I
IB Theater Arts SL II IB Theater Arts HL II
Concert Choir
Concert Band
String Ensemble
Introduction to Guitar
Art of Movement (also under PE)

PHYSICAL EDUCATION
Course Title
Physical Education / Health
Personal Physical Fitness & Health
Art of Movement (also under The Arts)

ELECTIVES
Course Title
IB Theory of Knowledge I (Semester II Only)
IB Theory of Knowledge II (Semester I Only)
Narrative Writing *
Yearbook
Technology Explorations
Computer Science & Programming
AP Computer Science Principles
AP Computer Science A
Study Skills **

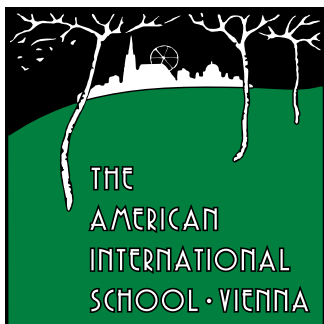
# AIS VIENNA HIGH SCHOOL FOUR-YEAR PLAN

(This is a provisional plan based upon grades and teacher recommendations.)

Student's Name: \_\_\_\_\_ Date: \_\_\_\_\_ Grade: \_\_\_\_\_ University(Country): \_\_\_\_\_ Intended Studies: \_\_\_\_\_

Graduation Requirements TOTAL= 24 credits	Grade 9	Grade 10	Grade 11	Grade 12
<b>ENGLISH</b> (4 credits)	English 9 EAL 9	English 10 EAL 10	IB English A: Literature SL/HL I IB English A: Lang & Lit SL I IB English B HL I English 11	IB English A: Literature SL/HL II IB English A: Lang & Lit SL II IB English B HL II English 12
<b>MODERN LANGUAGES</b> (2 credits)	German French Spanish	German French Spanish	IB German/French/Spanish B SL/HL I IB German A: Literature SL/HL I IB German A: Lang & Lit SL/HL I IB Tutorial:	German/French/Spanish B SL/HL II German A: Literature SL/HL II German A: Lang & Lit SL/HL II IB Tutorial:
<b>SOCIAL STUDIES</b> (3 credits)	World History	Mod European (10-12) U.S History (10-12) Int'l Relations (10-12)	IB History SL/HL I IB Economics SL/HL I IB Psychology SL/HL I	IB History SL/HL II IB Economics SL/HL II IB Psychology SL/HL II
<b>SCIENCE</b> (3 credits)	IPS	Biology (10-12) Chemistry (10-12) Physics (10-12) Envi Sci / Geoscience (10-12)	IB Physics SL/HL I IB Chemistry SL/HL I IB Biology SL/HL I	IB Physics SL/HL II IB Chemistry SL/HL II IB Biology SL/HL II
<b>MATH</b> (3 credits)	Algebra Geometry Constructive Geo	Geometry Constructive Geo Algebra 2 Algebra 2/Trig	IB Math Studies SL I/II IB Mathematics SL/HL I AP Statistics	IB Math Studies SL II IB Mathematics SL/HL II AP Statistics
<b>ART</b> (2 credits)	Art I: Found. (9-12) Drama (9-12) Concert Choir (9-12) Strings Ensemble (9-12) Concert Band (9-12) Fine Art (9-12) Intro to Guitar (9-12) Other:	Art II: Exp. (10-12) Other:	IB Visual Arts SL/HL I / Art III IB Theater Arts SL/HL I Other:	IB Visual Arts SL/HL II / Art IV IB Theater Arts SL/HL II Other:
<b>PHYSICAL EDUCATION</b> (2 credits)	P.E/Health Personal Physical Fitness & Health Art of Movement	P.E/Health Personal Physical Fitness & Health Art of Movement	P.E. Other:	P.E. Other:
<b>ELECTIVES</b> (5 credits)	Narrative Writing (9-12) Tech Explorations (9-12) Yearbook (9-12) Other:	Comp Sci & Programming (10-12) AP Computer Principles (10-12) AP Computer Science Other:	IB TOK IB CAS Sound & Light Technician AP Computer Science Free Period Other:	IB TOK IB CAS AP Computer Science Free Period Other:

Instructions: Please use the Course Description Handbook to complete this worksheet. The handbook contains important prerequisite information. Circle the appropriate languages and IB level (HL/SL) when choosing these courses. Please choose 8 classes for each year.



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