

INTERNATIONAL BACCALAUREATE

The International Baccalaureate program is an internationally recognized academic program designed for students who intend to continue their education at college or university. The Diploma program emphasizes critical writing skills and creative thinking. Some course content is at first-year university level. Candidates will write IB examinations in the first two weeks of May of their grade 12 year. IB courses are considered equivalent to the corresponding Ministry course. IB exam results are valid for scholarship consideration and for university admission. International Baccalaureate courses can be taken in preparation for the IB Diploma or as enrichment courses for which IB Certificates are awarded. IB courses are offered over two years.

Students wishing to take IB courses must apply through the IB Coordinator, Ms. Leary.

IB ENGLISH A: LITERATURE A 11

Standard Level (IELM-11) Higher Level (IELS-11)

The IB English program introduces students to a sophisticated approach to literary interpretation through written and oral assignments. IB English A: Literature is a two year course made up of four parts; Parts I and IV taken up in grade 11 and Parts II and III taken up in grade 12, as follows:

Part I: Works in Translation (3 works translated from their original language into English)

Part II: Detailed Study (3 works from 3 separate genres)

Part III: Literary Genres (3 works from the same genre)

Part IV: Film and Literature Option (3 literary texts and their companion films)

In grade 11, the focus is on culture and context and how they are embedded within literature. Students study works across a variety of genres, geographical regions and time periods seeking to understand how each work is deeply influenced by its time, place, language, social structure etc. Students will write reflective statements for each work, along with in class essays and oral presentations. Formative assessment for the IB will include a 1,500 Written Assignment developed from one of the in-class essays on a Part I work, and an Individual Oral Presentation on an aspect of one of the Part IV works. The Written Assignment is externally assessed by the IB and forms 25% of the student's grade. The Individual Oral Presentation is internally assessed and forms 15% of the student's grade. Authors studied in grade 11 include Hawthorne, Ibsen, Schlink, Duras, Dorfman, Conrad as well as the films *Easy A*, *Apocalypse Now* and *Death and the Maiden*.

IB ENGLISH A: LITERATURE 12 Standard Level (IELM-12) Higher Level (IELS-12)

Prerequisite: IB English A: Literature 11 and completion of the Written Assignment and Individual Oral Presentation

In grade 12, students continue to develop their appreciation of literature through a detailed study of poetry, drama, fiction and non-fiction, in preparation for the Oral Commentary and written exams. The focus of this year will be to interpret and comment on a variety of works, with an emphasis on voice, style, diction, structure, etc. and to further enhance students' ability to write deeply and well about literature. Students will develop in-depth study notes, along with oral presentations, commentaries and essays. Formative assessment for the IB includes a Formal Oral Commentary and Interview based on works in Part II, and Papers 1 and 2 based on Works in Part III. The Oral Commentary is internally assessed and forms 15% of the student's grade. Papers 1 and 2 are externally assessed and form 20% and 25%, respectively, of the student's final grade. Authors studied in grade 12 include Shakespeare, Didion, Dickinson, Roy, Austen and Chopin.

THEORY OF KNOWLEDGE 11 (ITK--11) & 12 (ITK--12)

The purpose of Theory of Knowledge is to stimulate critical reflection on the origins, methods, validity and value of beliefs and knowledge gained within and outside the classroom. It provides a unifying mechanism for the overall course of studies in IB and encourages students to reflect upon the various systems of knowledge that are part of the IB learning experience. It is a two-year course that is a requirement for all Diploma candidates. Evaluation will be based on oral participation and written assignments.

While priority will be given to Diploma students, other students may take Theory of Knowledge 11 for credit as a ministry-recognized course subject to teacher approval and space.

IB HISTORY 11 Higher Level (IHIH-11) Standard Level (IHIS-11)

Prerequisite: Social Studies 10 Venture or approval of the department. Students who would like to take this course, instead of a senior Social Studies course may do so with permission of the teacher.

This is the first year of a two-year course designed to prepare students for both the Standard and Higher Level exams in IB History. Students wishing to write either exam must take both IB History 11 and 12.

Using historical concepts such as perspective and change and continuity as lenses, students will contextualize and analyze primary and secondary sources for two case studies in expansionism and nationalism in the 1930s: Japan; Germany and Italy. Students will continue to develop their historical thinking competencies while investigating the emergence of authoritarian states in the 20th century, and the causes and effects of 20th century wars. Examples of case studies include leaders such as Castro and Hitler; and wars such as WWI, WWII, the Spanish Civil War, and the Iran-Iraq War. Students will also investigate European conflict and diplomacy from 1871 to 1945 and study international relations between many countries during the same time period including policies, peace settlements and strategies, power struggles, and war, in addition to domestic developments and issues.

IB HISTORY 12 Higher Level (IHIH-2A) Standard Level (IHIS-12)

This is the second year of the IB History program (Standard and Higher Level). Students will continue to develop their historical thinking competencies by delving more deeply into the same topics of 20th century history taught in IB History 11. Any case studies not studied in grade 11 will be pursued in grade 12.

In May, SL students will write two skill based and essay style exams about 20th century history. HL students will write the same two exams plus another essay style exam about European history from the late 19th century to the mid 20th century.

IB MATHEMATICS 11 Standard Level (IMM--11) Higher Level (IMC--11)

This is the first year of the two-year IB Mathematics program. The course includes topics such as vectors, matrices, trigonometry, function theory and calculus. Some material will be extended into a more rigorous treatment to prepare students for the Higher Level course in grade 12. A graphics calculator is required for this course.

IB MATHEMATICS 12 Standard Level (IMM--12)

Prerequisite: IB Mathematics 11 SL.

This course is a continuation of IB Mathematics 11. The course will cover topics from IB Math 11 and prepare students for the IB exam in May. A graphics calculator is required for this course.

IB MATHEMATICS 12 Higher Level (IMC--2A)

Prerequisite: IB Mathematics 11 HL.

This is a continuation of IB Mathematics 11 at the Higher Level. The course will cover topics from IB Math Standard Level as well as further IB Higher Level topics such as complex numbers, matrices, vectors (including lines and planes in vector form), probability and calculus (including area, volume and the solution of simple differential equations). Series and differential equations, an extension of calculus, will also be studied. A graphics calculator is required for this course.

IB BIOLOGY 11 Standard Level (IBIS-11) Higher Level (IBIH-11)

Prerequisite: Venture Science 10 or Science 10.

Biology 11 IB is the first year of the two-year IB Biology course. Topics to be investigated include Cell Structure, Genetics, Plant Science, Ecology, Evolution, Chemistry of Life, Nucleic Acids and Proteins. The IB internal assessment requirement includes an Individual Investigation and 60 hours (Higher level) and 40 hours (Standard Level) of laboratory work over a 2 year program. In addition to quizzes, tests and lab reports, students will be evaluated on in-class debates, discussions, presentations and project work. As well, all students must participate in the "Group 4 Project".

IB BIOLOGY 12 Standard Level (IBIS-12) Higher Level (IBIH-2A)

Prerequisite: Biology 11 IB

This is the second year of a two-year program. Most of the provincial curriculum will be completed and expanded to include Immunology, Muscles, Cell Respiration and Photosynthesis. The laboratory work will be continued from Biology 11 IB. Evaluation is the same as for Biology 11 IB.

IB CHEMISTRY 11 Standard Level (IGCH-11) Higher Level (ICHH-11)

Prerequisite: Science 10 Pre-IB or Science 10.

The Higher Level IB Chemistry course is designed for the student who will eventually pursue more advanced Chemistry at the university level. Laboratory work will form an integral part of the course. The Provincial curriculum for Chemistry 11 will be expanded to include studies in chemical bonding, the gas laws, and shapes of molecules, chemical thermodynamics, atomic structure, electron configurations, organic chemistry and environmental chemistry. All students must participate in the "Group 4 Project".

IB CHEMISTRY 12 Standard Level (IGCH-12) Higher Level (ICHH-2A)

Prerequisite: Chemistry 11 IB

This is the second year of a two-year program. The provincial curriculum will be completed and expanded to include Carbon Chemistry, Transition Elements, Fuels and Energy with an emphasis on advanced laboratory work.

IB PHYSICS 11 Standard Level (IPHS-11)

This is the first year of a two-year program. The course covers the entire Provincial Physics 11 curriculum.

This course will emphasize fundamental Physics principles in four general areas;

- Mechanics
- Wave Motion and Light
- Electricity
- Models and Properties of Atoms.

The laboratory component of the course will require students to demonstrate critical thinking skills through clear communication of objectives and results. Strong problem-solving skills are an asset to those students who enroll. In addition, all students must participate in the "Group 4 Project".

IB PHYSICS 12 Standard Level (IPHS-12)

This is the second year of a two-year program. The course covers the entire provincial Physics 12 curriculum. Topics include:

- Vector Kinematics
- Vector Dynamics
- Energy, Work and Power
- Vector Momentum
- Circular Motion
- Electricity (static and current)
- Electromagnetism.

Additional IB topics include atomic properties and thermodynamics. Topics are generally covered in greater depth than in Physics 11 IB. The emphasis on experimental work continues from Physics 11 IB

IB FRENCH 11 Standard Level (IFRS-11) Higher Level (IFRH-11)

Prerequisite: French 10 Pre-IB or teacher recommendation

French 11 IB is the first year of the two-year program in Language B, which is required of all students aspiring to earn the IB diploma or certificate for both Standard Level and Higher Level. Students wishing to write either exam must take both IB French 11 and 12.

This course is designed to augment the content of the regular course through the lenses of social relations, global perspectives, communication and the media. The primary language of instruction is French and the students are expected to work on the development of comprehension, oral competency, and use of the language in a variety of situations. This course is arranged around five themes which will be covered over the two-year period: cultural diversity, health, leisure, science and technology, and customs and traditions. *Students wishing to fulfill HL requirements will complete their literary reading and assignment over the summer in between Grade 11 and 12.*

IB FRENCH 12 Standard Level (IFRS-2A) Higher Level (IFRH-2A)

Prerequisite: IB French 11

French 12 IB is the second year of the two-year program in Language B (Standard Level and Higher Level), which is required by all students aspiring to earn the IB diploma or certificate.

Students will continue to develop skills so that they may undertake various types of activities:

- read articles, short stories, recipes
- present scenarios, debates, role plays
- listen to radio, music
- watch and comment on video clips

This course is arranged around the remainder of 5 themes explored in IB French 11 (cultural diversity, health, leisure, science and technology, and, customs and traditions); they will all be covered by the end of the two-year program. The primary language of instruction is French and the students are expected to communicate in French.

IB MANDARIN 11 Higher Level (IMNH-11)

Mandarin 11 IB HL is the first of a two-year program. The course is designed for students who welcome an enriched curriculum and appreciate literary work. The lessons will introduce skills to examine literary work and further focus on the four language skills. Students explore a variety of themes that enable them to effectively discuss literature, and participate in authentic communicative experiences. Topics may include: menu and eating out, health and leisure, shopping and currency, physical appearance and surrounding communities.

IB MANDARIN 11 Standard Level (IMNS-11)

Mandarin 11 IB is the first of a two-year program. The course is designed for students who welcome an enriched curriculum. The lessons further develop the four skills of listening, speaking, reading and writing. Students explore a variety of themes that enable them to effectively communicate through letter and journal writing. Topics may include: menu and eating out, health and leisure, shopping and currency, physical appearances, houses and living surroundings.

IB MANDARIN 12 Higher Level (IMNH-2A)

Prerequisite: IB Mandarin 11

Mandarin 12 IB HL is the final level of this two-year program. It involves a more detailed study on skills and topics introduced in Mandarin 11 IB HL. Students have the opportunity to analyze literary work in depth, participate in group discussions and read and write articles to enhance their language skills. Topics may include: international travel, social and personal relationships, holidays and tradition, media and technology and global issues.

Students sit for an external written exam in May, while oral proficiency is assessed formally during the school year.

IB MANDARIN 12 Standard Level (IMNS-12)

Prerequisite: IB Mandarin 11

Mandarin 12 IB is the final level of this two-year program. It involves a more detailed study of the Mandarin language through a variety of course materials focusing on the skills of listening, speaking, reading, and writing. Students have many opportunities to work on group discussions and individual presentations that include themes such as international travel, social and personal relationships, holidays and traditions, media and technology and global issues.

Students sit for an external written exam in May, while oral proficiency is assessed formally during the school year.

IB VISUAL ARTS 11 AND 12

Standard Level (IARS-11) Higher Level (IARH-11)

Standard Level (IARS-12) Higher Level (IARH-2A)

Prerequisite: Art 10 or teacher permission

IB Art 11/12 is a two-year course encompassing group-structured and self-structured work designed to provide the student with opportunities to develop artistic literacy and appreciation, the technical use of selected media and the use of design values, and to encourage an experimental and well-grounded approach to both studio work and workbook development.

IB Art 11 begins with a more group-structured curriculum focused on the essential skills necessary for success in the IB Art Program. Success in the program will depend on the student being able to develop effective work habits relating to project development and workbook research, a self-motivated and experimental approach to creative expression, a working literacy

in current, cultural, historic and aesthetic developments in art, technical control in selected media and production of a coherent body of work.

At the end of the two-year program, students will have a display of their works. An external examiner from IB will come to assess the students' artwork at this time. The students' final mark will be a combined mark from the teacher and the external examiner.

IB FILM 11 STANDARD LEVEL (IF---11)

The IB film course program aims to develop students' skills so that they become adept in both interpreting and making film texts. IB Film is a two year study and analysis of film texts and exercises in film-making. The course explores film history, theory and socio-economic background and develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures. Students also develop the professional and technical skills (including organizational skills) needed to express themselves creatively in film. The course emphasizes the importance of working individually and as a member of a group. A challenge for students following this course is to become aware of their own perspectives and biases and to learn to respect those of others. This requires willingness to attempt to understand alternative views, to respect and appreciate cultural diversity, and to have an open and critical mind. In grade 11 students will conduct an Independent Study of a variety of films in an 8-10 page document, and complete an Oral Presentation of a detailed critical analysis of a film from the prescribed list of choices. The Independent Study and Oral Presentation are externally assessed and form 25% each of the student's final grade for the course.

IB FILM 12 STANDARD LEVEL (IF---12)

In the second year of this two year course, students will apply their knowledge of film and the way stories are told to a focus on the creative process of film making developing and pitching an idea to planning and producing a film, culminating in the Production Portfolio – a completed 4-5 minute film and its accompanying documentation. The Portfolio is internally assessed and forms 50% of the student's grade for the course.