

**Harry Ainlay High School Pre-IB Diploma
and
International Baccalaureate Program**



2009 - 2010

Course Description Booklet

THE PATH INTO INTERNATIONAL BACCALAUREATE:

All Grade 10 students must complete a full year of Harry Ainlay pre-IB diploma courses (*or an IB Middle Years Program*) to be granted entrance into the International Baccalaureate Diploma Program in Grade 11 and Grade 12. Harry Ainlay's pre-IB diploma program covers regular Alberta curriculum and provides enrichment designed to develop the skill set required for the successful completion of the rigorous IB diploma program. This year is not affiliated with International Baccalaureate, nor is it a construct of that organization.

Grade 11 students who choose the full IB program will be recognized with an **IB Diploma** when they complete their final IB exams in Grade 12. Alternatively, students may elect to take a partial IB program and be recognized with **IB Certificates** in the specific subjects that they complete. Please note that Alberta Education courses are studied and credited in conjunction with Harry Ainlay's pre-IB diploma program in grade 10 and with the IB program curriculum in grade 11 and 12.

Grade 10 students in the Harry Ainlay Pre-IB Diploma year must take the following courses:

- English 10-1 pIB
- Social Studies 10-1 pIB
- Pure Math 10pIB and Pure Math 20 pIB
- Science 10 pIB
- A language at the Harry Ainlay Pre-IB level
 - French 10 pIB or French Language Arts 10 pIB for immersion students
 - German 10 pIB
 - Japanese 10 pIB
 - Spanish 10 pIB
- Physical Education 10 pIB (*3 credits*)
- CALM 20 pIB for Harry Ainlay pre-IB students (*3 credits – by seminar*)
- One 5 credit option and one 3 credit option
Or three 3 credit options (*e.g. Art, Drama, Music or a second IB language*)

Grade 11 students working to complete a full IB Diploma must take the following courses:

- English 20-1 IB and World Literature 21 IB
- Social Studies 20-1 IB
- Biology 20 IB and Biology 35 IB (or Physics)*
- Pure Math 30 IB
- A language at the IB level
 - French 20 IB or French Language Arts 20 IB for immersion students
 - German 20 IB
 - Japanese 20 IB
 - Spanish 20 IB
- An IB Fine Arts Course: Art, Music or Drama 20 IB (*OR students can also chose to study a second IB science 20 IB and 35 IB OR a second International Language - the classic design for an IB Diploma includes a Fine Arts course*)
- One 3 credit option or one 5 credit option
** TOK will start in grade 11 within 20 IB courses and additional TOK seminars scheduled in period 9.
*** CAS and the EE will also commence in grade 11.

Grade 12 students working to complete a full IB Diploma must take the following courses:

- Theory of Knowledge 35 IB
- Social Studies 30-1 IB and World History 30 IB
- English 30-1 IB
- Biology 30 IB (or Physics)*
- Math 31 IB
- A language at the I.B. level
 - French 30 IB or French Language Arts 30 IB
 - Japanese 30 IB
 - Spanish 30 IB
 - German 30 IB
- An IB Fine Arts Course e.g. Art, Music or Drama 30 IB (*OR students can also chose to study a second IB science OR a second International Language - the classic design for an IB Diploma includes a Fine Arts course*)
- One 5 credit option or two 3 credit options

Full diploma students will start the production of a 4000 word Extended Essay in Grade 11 and complete it in Grade 12. In addition, a minimum of 150 hours of Creativity, Action, and Service (CAS) will be recorded and eight learner outcomes will be achieved.

All students will be required to complete IB Internal Assessments in each IB course at each grade level.

All grade 11 science students will also complete a group 4 project.

*Biology can be replaced with Physics HL (*Higher Level*) or Chemistry (*if the student is also taking Art HL*)

COURSES IN ENGLISH LANGUAGE ARTS:

GRADE 10

**English 10-1 pIB (*Harry Ainlay Pre-IB Diploma*)
5 Credits in English 10-1**

This course is designed to lay the foundations for an advanced study of literature. It presents the essential literary concepts, conventions, and genres necessary for more sophisticated interpretation and appreciation of literature. Students are expected to explore ideas through writing and discussion.

GRADE 11

**English 20-1 IB - Higher Level
5 Credits in English 20-1**

This course is a study of literature drawn from a variety of genres and periods. It provides extensive practice in the close reading and critical analysis of literature needed for IB assignments and examinations. Students are expected to explore ideas through writing and discussion.

**World Literature 21 IB - Higher Level
3 Credits**

This course accompanies English 20IB. It includes a comparative study of selected World Literature in translation. Students have the opportunity to choose topics independently for two World Literature papers and to design an oral presentation to fulfill the requirements of the IB program. Completion of these assignments is a prerequisite for enrollment in English 30IB. TOK curriculum links will also be addressed.

*** Students are required to enroll in both English 20-1 IB and World Literature 21 IB**

GRADE 12

**English 30-1 IB - Higher Level
5 Credits in English 30-1**

English 30IB continues the study of English Literature and World Literature in translation. It includes an intensive study of poetry, a Shakespearean play and several novels. Students will fulfill IB internal assessment criteria with two written examinations and an oral examination.

Please note: All IB English courses require students to meet the text study and text creation requirements mandated by The Alberta Program of Studies for each respective course.

COURSES IN HISTORY:

GRADE 10

Social Studies 10-1 pIB (*Harry Ainlay Pre-IB Diploma*) 5 credits in Social Studies 10-1

This course explores multiple perspectives on the origins of globalization and its impacts on peoples. Attention is placed on both oral and written communication with a particular emphasis on historical inquiry. Students will examine the effects of globalization on the local community, the nation and the world, including the impact on Aboriginal and Francophone communities.

GRADE 11

Social Studies 20-1 IB - Higher Level History (Europe) 5 Credits in Social Studies 20-1

This course explores multiple perspectives on nationalism and its various manifestations in modern history. Studies range widely and include an examination of the French Revolution and Napoleonic era, the World Wars, and the effects of nationalism on our contemporary world. Students will be introduced to the rudiments of the Historical Investigation, the principal research project undertaken in their senior year. TOK curriculum links will also be addressed.

GRADE 12

Social Studies 30-1 IB - Higher Level History (Europe) 5 Credits in Social Studies 30-1

In this course students will analyze the causes, practices, and effects of war, particularly in the 20th century. As well, the origins, ideology, form of government, organization, nature, and impact of authoritarian and single-party states will be studied. Moreover, attention will be given to developing a comprehensive understanding of the evolution of modern liberal thought and the tenets of competing ideologies. The Historical Investigation, a major research project, will be undertaken in the first semester of the senior year.

**World History 30 IB - Higher Level
3 Credits**

This course complements History 30IB and endeavors to augment the students' understanding of trends affecting the world in the past century. A particular emphasis is placed on the origin and development of the Cold War. Considerable attention is given to historical interpretation and the analysis of documents.

***Students are required to enroll in both Social Studies 30-1 IB and World History 30 IB**

COURSES IN MATHEMATICS:

GRADE 10

Pure Mathematics 10 pIB (*Harry Ainlay Pre-IB Diploma*)

5 Credits in Pure Math 10

The focus of this course is the development of basic algebra, coordinate geometry, and trigonometry skills, and their application to problem solving. Pure Mathematics 10 pIB includes an introduction to arithmetic and geometric growth, radicals, functions, matrices and linear systems.

Pure Mathematics 20 pIB (*Harry Ainlay Pre-IB Diploma*)

5 credits in Pure Math 20

This course continues the study of functions with the introduction of quadratic, and rational functions. Other topics include: analysis of equations and inequalities, an introduction to logic, circle geometry, the mathematics of finance, and vectors.

GRADE 11

Pure Mathematics 30 IB - Standard Level

5 credits in Pure Math 30

In this course, the study of functions continues with the introduction of polynomial, trigonometric, exponential, and logarithmic functions. The course also includes geometric sequences and series, transformations, conic sections, permutations and combinations, normal distribution, expectation and probabilities. Students will complete a portfolio assignment. TOK curriculum links will also be addressed.

GRADE 12

Pure Mathematics 31 IB - Standard Level

5 credits in Math 31

The Mathematics 31 IB course introduces the fundamental processes of calculus; the derivative, the integral, and their application to problem solving and graphing. Students will complete a portfolio assignment.

COURSES IN SCIENCE:

GRADE 10

Science 10 pIB (*Harry Ainlay Pre-IB Diploma*)

5 credits in Science 10

Science 10 pIB is intended to provide an introduction to the study of biology, chemistry and physics. This course is split into biological science and physical science sections covering units in the regular Science 10 program. Most concepts are studied in greater depth. The course also focuses on the development of laboratory skills and scientific communication.

GRADE 11

- **Only two IB sciences can be chosen in Grade 11 for full diploma candidates (a 3rd science in non-IB can be taken if it can be timetabled).**
- **Diploma Students must take Biology 20 IB and may take either Chemistry 20 IB or Physics 20 IB (*unless they take Higher Level Physics or Art*).**
- **All Grade 11 IB Science students must complete a group 4 project.**

Biology 20 IB - Higher Level

5 Credits in Biology 20

Biology 20 IB continues to build on biological concepts including ecology, energy exchange in the biosphere, ecosystems, biochemistry, enzymes, cell respiration, and photosynthesis. It also studies human systems including muscles, digestion, circulation, immunity, respiration and excretion. Laboratory skills continue to be practiced, leading students to the design of their own labs when presented with a biological problem. All students will complete a Group IV project. A lab portfolio will be generated.

Biology 35 IB – Higher Level

3 credits

This course accompanies Biology 20 IB. Course curriculum includes evolution, inorganic evolution, origin of life, classification, phylogeny, plant science, plant evolution, and human evolution as well as other IB extensions. This course continues to build on laboratory skills in a biological setting. A lab portfolio will be generated. TOK curriculum links will also be addressed.

***Students are required to enroll in both Biology 20 IB and Biology 35 IB**

Chemistry 20 IB - Standard Level

5 Credits in Chemistry 20

Chemistry 20 IB students will study bonding, organic chemistry, stoichiometry, solutions, and gas laws. Equilibrium and acid-base reactions are also introduced at this level. A variety of laboratory activities are done with the student keeping permanent records in a laboratory portfolio that will be generated until the end of grade 12. All students will complete a Group IV Project.

Chemistry 35 IB – Standard Level

3 credits

This course accompanies Chemistry 20 IB. Course curriculum includes: IB Option: human biochemistry, (food chemistry – delete), as well as other IB extensions, particularly to bonding and organic. This course continues to build on laboratory skills in a chemical setting. Additional labs will be added to the IB lab portfolio. TOK curriculum links will also be addressed.

*** Students are required to enroll in both Chemistry 20 IB and Chemistry 35 IB**

Physics 20 IB - Standard Level (or Higher Level)

5 Credits in Physics 20

Physics 20 IB continues to build on the understanding of energy and motion initiated in Science 10 pIB. Students will study forces including the force of gravity. Circular motion and other types of periodic motion including waves will be discussed in detail. Examples from everyday technologies such as CD-ROMs, amusement park physics, and satellite motion will be incorporated. Laboratory investigations are an important part of this course and a lab portfolio will be generated. All students will complete a Group IV project.

Physics 35 IB – Standard Level (or Higher Level)

3 credits

This course accompanies Physics 20 IB. Course curriculum includes: circuits, optics, digital technologies, thermal physics, some environmental applications and other IB extensions. This course continues to build on laboratory skills and student physics lab portfolios will be expanded. TOK curriculum links will also be addressed.

• Students are required to enroll in both Physics 20 IB and Physics 35 IB

GRADE 12

- Only two IB sciences can be chosen in Grade 12 for full diploma candidates.**
- Diploma Students will take **Biology 30 IB** and may take either **Chemistry 30 IB** or **Physics 30 IB** (*unless they have taken Higher Level Physics*).**

Biology 30 IB - Higher Level

5 Credits in Biology 30

This final course in Biology will cover human nervous, endocrine, reproductive systems and fetal development. Cell division, molecular genetics, classical genetics, population genetics and population ecology topics will also be covered. Students will review previously studied IB related material prior to May examinations. A lab portfolio will be generated.

Chemistry 30 IB- Standard Level

5 Credits in Chemistry 30

This final course in Chemistry examines energy, electrochemistry, the final IB Option: chemistry in industry and technology, as well as reviewing the organics, equilibrium, and acid-base chemistry studied in the regular Chemistry 30 program. Students will be asked to create their own laboratory designs at this level, which are part of the IB internal assessment laboratory portfolio.

Physics 30 IB - Standard Level (or Higher Level)

5 Credits in Physics 30

This final course in Physics begins with a study of impulse and momentum, electrical forces, magnetic forces and fields, the nature of matter, nuclear and particle physics. The basic physics governing the working of all modern electronics will also be studied. Technologies such as television, electric motors, generators, speakers, and radio are constantly used to illustrate and explore physics. This course provides a firm foundation for those wishing to pursue further studies in areas such as, architecture, engineering, dentistry, medicine or any other endeavour that relies on modern technology. Laboratory investigations are an important part of this course and IB lab portfolios will be expanded.

COURSES IN INTERNATIONAL LANGUAGES:

GRADE 10

French 10 pIB (*Harry Ainlay Pre-IB Diploma*) 5 Credits in French 10 – 9y

This course is recommended for students with sufficient background (*at least 3 years in junior high FSL courses*). Students not meeting these requirements must register in German 10 pIB or Japanese 10 pIB which are offered at a beginner level. French 10 pIB focuses on the development and use of basic grammar for everyday speech, basic skills, and emphasis on correctness of simple sentence structures as used in description, in summarization, or in the sharing of information.

French Language Arts 10 pIB (*Harry Ainlay Pre-IB Diploma*) 5 Credits in FLA 10

This course is designed for immersion students who wish to enroll in the I.B. program in grade 11 and requires considerable fluency in all aspects of the French language. One novel, one play, and several short stories and poems are the literary components of this course. Prime objectives include oral fluency, additional knowledge of grammar and the study of idiomatic expressions.

Spanish 10 pIB (*Harry Ainlay Pre-IB Diploma*) 5 Credits in Spanish 20

This course is recommended for persons with sufficient background (*at least 3 years in junior high Spanish courses*). Students who do not meet these requirements must register in German 10 pIB or Japanese 10 pIB which are offered at a beginner level. There is a strong focus on grammar use in everyday communication, development of basic reading skills, and written composition with an emphasis on sentence structures used in description, summarization, and information sharing. Students will also develop fluency of speech in everyday conversational situations.

German 10 pIB* (*Harry Ainlay Pre-IB Diploma*) 5 Credits in German 10

This course is designed for beginners and gives an introduction to contemporary spoken and written German. Students will learn how to express themselves in the areas of: personal information, free-time activities, food and drink, etc... Students will gain an understanding of basic sentence structure and other grammatical aspects. Students will also be exposed to various aspects of culture, history and the geography of German-speaking countries.

Japanese 10 p IB* (*Harry Ainlay Pre-IB Diploma*) 5 Credits in Japanese 10

This course is designed for absolute beginners and aims at a primary command of Japanese. Basic vocabulary and sentence structures are studied through the lexical fields of self, people around us, food, school, and shopping. The Hiragana and Katakana writing systems will be introduced.

GRADE 11

French 20 IB – Language B - Standard Level 5 Credits in French 20 – 9y

Vocabulary development, grammar and language study, oral and written composition, reading and listening activities taken from authentic French sources will be studied. In discussions, an emphasis will be put on “La Francophonie dans le Monde” as required for IB. TOK curriculum links will also be addressed.

French Language Arts 20 IB – Language B - Standard Level 5 Credits in FLA 20

This course emphasizes grammar study, composition, and oral presentations. Students will continue their study of literature through plays, novels and other literary genres. TOK curriculum links will also be addressed.

Spanish 20 IB – Language B - Standard Level 5 Credits in Spanish 30

Grammar, vocabulary exercises, newspapers, magazines, and websites will be used to further develop vocabulary. Students will increase their use of the Spanish language through oral and written work. They will explore the Spanish speaking world by studying the culture and history of Spanish speaking nations. This course will prepare students for the intense grammar study and oral examinations that will be required for successful completion of Spanish 30 IB. TOK curriculum links will also be addressed.

**German 20 IB – Ab Initio* - Standard Level
5 Credits in German 20**

This is the first year of the two-year German ab initio course. Students will be exposed to a variety of experiences and culture eg. how one lives, health, the city, daily routines, celebrations, etc... Students will read and write lengthier texts, and investigate more complex grammatical aspects. TOK curriculum links will also be addressed.

***Language B level is available for students with sufficient background in the language.**

**Japanese 20 IB – Ab Initio* - Standard Level
5 Credits in Japanese 20**

This is the first year of the two-year Japanese ab initio course. Students will develop their comprehension and communication skills through a variety of resources and classroom activities. 70 Kanji characters are introduced in addition to new vocabulary and structures. Study of Japanese culture is continued using a variety of resources. TOK curriculum links will also be addressed.

***Language B level is available for students with sufficient background in the language.**

GRADE 12

All 30 IB Language students must complete an Oral Examination to fulfill the IB internal assessment criteria.

**French 30 IB – Language B - Standard Level
5 Credits in French 30 – 9y**

In grammar study, students will reach or surpass the oral and written language requirements for IB. Review and expansion of what was previously learned in French 10 pIB and French 20 IB with some new concepts. Continued exposure to authentic French reading and listening material will occur. Four formal oral assessments will be completed and will constitute the IB Oral component which is worth 30% of the overall grade for this IB course.

**French Language Arts 30 IB – Language B -
Standard Level
5 Credits in FLA 30**

This course includes the grammar study, readings, and oral component of French 30 IB. The study of several novels and/or two plays is the core of this course. Students will also study several smaller literary selections and discussion of the works will become more abstract and philosophical. A greater emphasis will be placed on the precision of vocabulary usage. Four formal oral assessments will be completed and will constitute the IB Oral component which is worth 30% of the overall grade for this IB course.

**Spanish 30 IB – Language B - Standard Level
5 Credits in Spanish 30-6y**

This course expands upon topics learned in 20 IB and involves grammar study to reach or surpass the oral and written requirements for IB. Students will also access various reading materials including a novel, short stories, newspaper articles, as well as complete oral projects in preparation for the IB Oral internal assessment which accounts for 30% of the final IB grade.

**German 30 IB – Ab Initio* - Standard Level
5 Credits in German 30**

This is the second year of the two-year German Ab Initio course. Students will be exposed to a variety of experiences and culture: descriptions and clothing, the German school system, jobs and work, media, literature, etc... Students will continue to refine their language skills, regularly read articles, and participate in discussion groups. Students will complete various oral projects throughout the year including a final oral exam which is worth 30% of the overall IB grade. They will also write practice exams to prepare for written examination in May.

***Language B level is available for students with sufficient background in the language**

**Japanese 30 IB – Ab Initio* - Standard Level
5 Credits in Japanese 30**

This course is the continuation of Japanese 20 IB. Students will further develop their skills through units such as media, world of work, arts and literature, traveling in Japan, and environmental issues. 100 Kanji characters, additional vocabulary and sentence structures will be introduced in order to meet the IB curriculum requirements. Students will complete various oral projects throughout the year including a final oral exam which is worth 30% of the overall IB grade. They will also write practice exams to prepare for written examination in May.

***Language B level is available for students with sufficient background in the language.**

COURSES IN FINE ARTS:

VISUAL ARTS:

Grade 10

**Art 10 pIB (*Harry Ainlay Pre-IB Diploma*)
5 Credits in Art 10**

This preparatory course is meant to develop the artistic skills and discipline necessary for Art 20 IB and 30 IB. This course covers the curriculum found in Art 10.

Grade 11

**Art 20 IB – Standard* or Higher Level Visual Arts
(5 Credits – Art 20)**

Students will follow teacher directed assignments designed to develop creativity, improve visual literacy, and continue to improve their artistic production skills. The aims of the visual arts course at HL and SL are to enable students to:

- investigate past, present and emerging forms of visual arts and engage in producing, appreciating and evaluating these
- develop an understanding of visual arts from a local, national and international perspective
- build confidence in responding visually and creatively to personal and cultural experiences
- develop skills in, and sensitivity to, the creation of works that reflect active and individual involvement
- take responsibility for the direction of their learning through the acquisition of effective working practices.

Students will be expected to:

- respond to and analyze critically and contextually the function, meaning and artistic qualities of past, present and emerging art, using the specialist vocabulary of visual arts
- develop and present independent ideas and practice, and explain the connections between these and the work of others
- explore and develop ideas and techniques for studio work through integrated contextual study and first-hand observations
- develop and maintain a close relationship between investigation and a purposeful, creative process in studio work
- produce personally relevant works of art that reveal evidence of exploration of ideas that reflect cultural and historical awareness
- develop and demonstrate technical competence and artistic qualities that challenge and extend personal boundaries (option A) and technical competence and self-direction (option B).

Grade 12

Art 30 IB – Standard* or Higher Level Visual Arts 5 Credits in Art 30

Students are self-directed with the teacher functioning as advisor for investigation workbooks and studio work. Studio and investigation are integrated, meaning that the workbook is the starting point in terms of research and planning for all studio production.

Learning Outcomes:

- develop the skills and techniques of investigation—both visual and written
- relate art to its cultural and historical contexts
- explore art concepts
- explore art elements
- develop and use the processes of art criticism and analysis
- develop confidence and expertise in the use of various media
- extend their knowledge of design
- share their work with an audience through displays and exhibitions or presentations
- extend individual investigation to inform practical work
- make connections between ideas and practice—both their own and others’

***Standard Level Option A is recommended for most students. Higher Level should only be attempted by those students who require Higher Level to complete their IB Diploma or by those who wish to pursue Art or Design as a career. Higher Level and Standard Level Option B is also available to those students who enjoy art research more than art production.**

THEATRE ARTS:

Grade 10

Drama 10 pIB (*Harry Ainlay Pre-IB Diploma*) 5 Credits in Drama 10

This course is intended to develop confidence, concentration, creativity, and communication skills within the context of the theatre craft. There is an emphasis on ensemble work and the origins of theatre. **It is not necessary to have previously taken drama.**

Grade 11

Drama 20 IB – Standard* or Higher Level Theatre Arts 5 Credits in Drama 20

The four components of IB Theatre are: Theatre in the making, Theatre in performance, Theatre around the

world, and the independent project portfolio. Students work with forms of theatre from a variety of cultures, traditions, and historical contexts with a focus on becoming reflective and critical practitioners while researching, performing, and devising theatre. Students will learn about the roles of playwright, actor, director, designer, and critic through research and practice. Analysis skills are a major focus in the course. Development of an independent project portfolio begins at this level. TOK curriculum links will also be addressed.

Grade 12

Drama 30 IB - Standard* or Higher Level Theatre Arts

5 Credits in Drama 30

Students’ individual ability to be creative and imaginative, and to communicate in dramatic form, will be challenged and extended through theoretical and practical content of the course. It lays the foundation for further study in theatre and performing arts, as well as non-theatrical pursuits, by developing discipline, and refining communication and group-work skills. (IB Theatre Syllabus) The class company is responsible for all elements – production, direction, design, construction, acting, and management – of their One Act play festival. Theatre 30I students complete a research investigation, practical performance proposal, and their project portfolio to be sent away for external assessment.

***The Standard Level course is recommended for most students. Higher Level should only be attempted by those students who require Higher Level to complete their IB Diplomas or by those who wish to pursue Theatre as a career.**

MUSIC:

Grade 10

Students should be enrolled Symphonic or Concert Band in Grade 10.

Acceptance by music director is required.

Grade 11 & 12

Instrumental Music 20 IB – Standard Level (and by special arrangement for full Diploma Candidates)

5 Credits in Instrumental Music 20

5 Credits in General Music 20

Instrumental Music 30 IB – Standard Level
5 Credits in Instrumental Music 30
5 Credits in General Music 30

The art of music demands that the educated musician and music lover be able to recognize and articulate musical elements realized in diverse examples of music making. This course encourages students to develop creatively their knowledge, abilities and understanding through performance, analysis and composition. Standard level candidates will be expected to demonstrate use of appropriate terms to describe and reflect their critical understanding of music, and will demonstrate an understanding of music in relation to time and place. In addition, candidates will demonstrate their development in group music making. The course will be **taught in conjunction with the Symphonic Band classes**. Students will perform as part of the ensemble, and will take classes in theory, analysis and history as a subsection of the class.

OTHER ALBERTA DIPLOMA REQUIREMENTS:

GRADE 10

Physical Education 10 pIB
3 credits in Phys Ed 10

All grade 10 Harry Ainlay Pre-IB Diploma candidates must complete at least 3 credits of Physical Education. We highly recommend that this be taken during the grade 10 year as exercise greatly serves to help reduce student stress. Consult the general Harry Ainlay Course Outline Book for more information.

Career and Life Management (CALM) 20 pIB
3 credits in CALM 20

Grade 10 Harry Ainlay pre-IB students will be entitled to fulfill the Alberta Diploma CALM requirement by a seminar-based program that is geared specifically to address the regular Alberta Curriculum while trying to investigate. All students will be required to create a reflective CALM journal.

OTHER FULL IB DIPLOMA REQUIREMENTS:

GRADE 11 AND 12

Extended Essay (EE)
3 Credits

Full IB Diploma candidates will be required to complete an independent analysis driven research paper of up to 4000 words on a focused topic of their choice. Students must be enrolled in the IB subject area in which they choose to write the extended essay.

Creativity, Action, Service (CAS)

NO CREDITS

Full IB Diploma candidates will be required to complete 150 - 200 hours of extra-curricular activities. Students will also have to choose activities that help them meet eight learner outcomes and create a reflective journal or scrapbook to document their achievement of the eight outcomes. Although the emphasis will be on quality rather than quantity, approximately one-third of these hours will be done pursuing **Creative** endeavors, one-third in **Action (physical activity)** pursuits, and the final one-third in community **Service** activities. The intent of this requirement is to help the students challenge themselves in new ways beyond the classroom.

Theory of Knowledge 30 IB (TOK)
3 Credits

Theory of Knowledge is at the core of the IB diploma program. It is meant to allow students to practice the skills and attitudes they have been developing throughout the program, showing that they have become independent, reflective, open-minded, knowledgeable and principled thinkers. The course is designed to teach students to make connections and deepen their understanding of the ways humans gain knowledge, while critically assessing the subject specific knowledge they have obtained, and developing self-awareness as knowers. It consists of three major units: The Nature of Knowledge, The Ways of Knowing, and The Areas of Knowledge. Theory of Knowledge encourages lateral thinking and is the "art of wondering" about the human place in an interdependent universe. Students are challenged to develop their critical thinking skills and express them in both verbal and written form. Students will complete an oral presentation and an essay on a prescribed title.

In Grade 11, Theory of Knowledge will be presented through curricular links to subject areas. Additional speakers and seminars will be scheduled in period 9.

In Grade 12, TOK 30IB is a mandatory course for full IB Diploma candidates, but may be chosen as an elective by IB Certificate candidates.

