



CATHOLIC CENTRAL HIGH SCHOOL
International Baccalaureate Diploma Programme



CCH Mission Statement

We, the staff of Catholic Central High School, will provide a Catholic Learning Environment in the service of Christ which promotes the spiritual, intellectual, cultural, emotional and physical growth of each student in partnership with parents, the Church and the global community.

The International Baccalaureate Organization Mission Statement

The International Baccalaureate aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.

To this end the organization works with schools, governments and international organizations to develop challenging programmes of international education and rigorous assessment.

These programmes encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.

These two mission statements point to a close alignment between the educational beliefs and values of the school board, the school and those of the IB programme. Our “shared endeavors”, “the values and standards which are Catholic in inspiration”, the “reverence for learning” all insist on the vital importance of the IB’s intercultural understanding and respect. The tenets of our faith and the international mindedness of the IB mission promote the imperative that we must continue to help young people experience a world which is still filled with culture, beauty, kindness, faith and the hope for peace.

IB Program Description

The International Baccalaureate Diploma Program (IB) is an intellectually rigorous pre-university course of studies for students within schools worldwide. It is offered to highly motivated students in the final two years of secondary school. Preparation for the grade 11-12 Diploma Programme can begin with enrichment and acceleration in grades 9 and / or 10 at CCH. Students can also apply to the IB Diploma Programme in the second semester of their grade 10 year. All pre-requisites must be met before final acceptance in September of the grade 11 year.

The International Baccalaureate is a widely recognized two-year comprehensive program that allows graduates to fulfill requirements of various national education systems. Mastery of subject content and the development of critical thinking, and research skills is excellent preparation for success at post

secondary institutions in North America and abroad. The IB Program gives students the opportunity to investigate disciplines at a greater depth and breadth than they might normally.

Successful Diploma Candidates will receive the IB Diploma as well as the Ontario Secondary School Diploma. Success in the IB Program requires ability, self-motivation, organization, commitment, and interest. Students must be able to balance academic responsibilities with participation in extracurricular activities and community service.

The IB Diploma identifies a student as one who has met the challenge, accepted it, and succeeded based upon an international standard.

The Structure of the IB Program

The IB Program requires a student to select courses identified below. To obtain an IB Diploma, candidates must successfully complete a course and write an international examination in each of these areas of study in their final two years of secondary school. Of the six courses, three are to be taken at the "Higher Level" with 240 hours of classroom instruction and three at the "Standard Level" with 150 hours of classroom instruction.

IB Courses offered at CCH for September 2009

Higher Level:

- English HL (**ENG3UB, ENG4UB and ETS4UB**)
- History HL (**CHA3UB and CHY4UB** + 20 hour study block)
- Chemistry HL (**SCH3UB, SCH4UB and SNC4MB**)

Standard Level:

- French B SL (**FSF3UB and FSF4UB**)
- Mathematics SL (**MHF4UB and MCV4UB**)

Electives: (students will choose ONE of the following standard level subjects)

- Business and Management SL (**BAF3MB and BOH4MB**)
- Biology SL (**SBI3UB and SBI4UB**)
- Music SL (**AVI3MB and AVI4MB; or AMV3MB and AMV4MB; or AMS3MB and AMS4MB**)

The Core of the IB Program

1. All Diploma candidates must take the **Theory of Knowledge** course. This course examines, reviews, and challenges the origins and validity of various types of knowledge. TOK dares the student to question the conventional basis of knowledge. The student is assisted in the development of critical thinking skills and the presentation of rational arguments.

2. All Diploma candidates must prepare and submit an **Extended Essay** of 3,500 to 4,000 words. The Extended Essay involves an in depth study of a limited topic of interest to the individual student. This component of the Program is designed to provide students with an opportunity to engage in independent research. Much emphasis is placed upon organizational skills and the manner in which ideas are expressed. The student is responsible for the creation and development of his/her Essay and is guided through the process with a series of discipline-specific standards and guidelines dictated by the International Baccalaureate Program. Throughout the process, students receive encouragement and support from their Extended Essay faculty advisor. As a major preparatory element for university's self-guided learning, the student is fully responsible for the end product of their Extended Essay.

3. **CAS, (Creativity, Action and Service)** is the final component of the IB hexagon's core. CAS is experiential learning, whereby the student will develop new areas of self-discovery and self-understanding through creative and active endeavors, and by discovering their place as an integral element of their community, be that local, national, or international. This element requires that each

student spend an average of 4 hours per week over the two years in IB (grades 11 and 12) involved in extra-curricular activities. This element is designed to foster a spirit of discovery and contribution to the society to which they belong.

Evaluation in the IB Programme

Student achievement is assessed according to specific performance criteria established by the International Baccalaureate Organization. There is both internal and external evaluation used in the IB Program.

External Assessment:

Written examinations are externally set by the Chief Examiners and externally evaluated by over 2,000 assistant examiners from all over the world. These examinations may include essay and short answer topics, document-based and multiple-choice questions.

Internal Assessment:

According to the requirements for individual subjects, assessment may take the form of major written assignments, or lab and project work in Mathematics and the Sciences. Internal assessment is first carried out by the teacher at CCH, and then goes to an external moderator to ensure that uniform standards of evaluation are maintained.

The Award of the IB Diploma

The assessment for IB examinations consists of 7 grade points per subject area:

7	-	Excellent	6	-	Very Good
5	-	Good	4	-	Satisfactory
3	-	Mediocre	2	-	Poor
1	-	Very poor			

Up to three additional points may be awarded for a student's combined performance in the **Extended Essay** and **Theory of Knowledge** papers. The Diploma is awarded to any student who meets or exceeds 24 points with no "failing conditions".

University Recognition

Students who elect to pursue the International Baccalaureate Program will be guaranteed outstanding preparation for further academic study at the post-secondary level. Successful completion of the Diploma allows students to be considered for admission to many universities and they may often receive advanced credit and/or placement for those Higher Level courses in which they have received a 5, 6, or 7 score. Please refer to individual university documentation (through CCH Guidance, University Registrars' offices and university calendars) for current recognition policies.

Summary

The IB is, however, more than strong academic preparation, more than strong university preparation. It encourages responsible citizenship, tolerance, and a consciousness of the shared humanity which binds us all together. We are citizens of a globe of tremendous diversity; IB recognizes and encourages us to become active members of this society.

For further information...

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CATHOLIC CENTRAL HIGH SCHOOL
International Baccalaureate Diploma Programme
London District Catholic School Board

DRAFT Timetable for students beginning Diploma Prep 1 in September 2009 and graduating in June 2013

Diploma Prep 1 Grade 9 (2009 - 2010)		Diploma Prep 2 Grade 10 (2010 - 2011)		Diploma Programme IB1 Grade 11 (2011 - 2012)		Diploma Programme IB2 Grade 12 (2012 - 2013)	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
Diploma Prep English ENG 1DB	Diploma Prep Math MPM 1DB	Diploma Prep English ENG 2DB	Diploma Prep Math 2 MCR 3UB	French B SL1 <u>FSF 3UB</u>	IB TOK 1 CAS / EE <u>HRT3MB</u>	English A1 HL2 <u>ENG 4UB</u>	Mathematics SL <u>MCV4UB</u>
Diploma Prep Science SNC 1DB	Geography CGC 1D (Recommended)	Diploma Prep Math 1 MPM 2DB	Diploma Prep Science SNC 2DB	History HL <u>CHA 3UB</u>	Chemistry HL1 <u>SCH 3UB</u>	Chemistry HL2 <u>SCH 4UB</u>	IB TOK 2 CAS / EE <u>HZT 4UB</u> (20 hour IB History)
Academic Core French FSF 1D	Elective	Academic Core French FSF 2D	History CHC 2D	English A1 HL1 <u>ENG 3UB</u>	Mathematics SL <u>MHF 4UB</u>	History HL <u>CHY 4UB</u>	Chemistry HL3 <u>SNC4MB</u>
Religion HRE 1O	Elective	Religion HRE2O	Elective	Biology SL1 <u>SBI 3UB</u> or IB Business Management SL1 <u>BAF3MB</u> or IB Music SL1 String Vocal Instrument	Biology SL2 <u>SBI 4UB</u> or IB Business Management SL2 <u>BOH4MB</u> or IB Music SL2 String Vocal Instrument	French B SL2 <u>FSF 4UB</u>	English A1 HL3 <u>ETS4UB</u>

Students are to meet with the IB Coordinator and Guidance Counselor to explore timetable options and to ensure that all OSSD / IB graduation requirements are met. It may be possible to take certain summer school credits in order to create option blocks. However, the LDCSB cannot determine which credits will be offered in any given Summer School Program. Please consult IB Coordinator regarding Boundary Exemptions.

May Exams 2012: Biology SL, Business Management SL, Music SL
May Exams 2013: English A1 HL, History HL, Chemistry HL, Mathematics SL, French B SL, CAS / EE / TOK requirements

*** Please note that all Core and IB course offerings are subject to change depending upon student numbers and availability of instructors.**

Grade 8 students considering IB are strongly encouraged to enroll in Grade 9 Diploma Prep courses. They need only follow the standard registration process in February at their elementary school. However, as class sizes will be limited, students interested in following Diploma Prep courses may also be required to undergo an application process should there be a greater number of interested students than can be accommodated. Students will be notified by the end of March should this procedure prove necessary.

Grade 9 IB Diploma Preparation Courses:

English (ENG1DB)
Mathematics (MPM1DB)
Science (SNC1DB)

Grade 10 IB Diploma Preparation Courses:

English (ENG2DB)
Mathematics (MPM2DB and MCR3UB)
Science (SNC2DB)

Grade 9 Required Credits:

French (FSF1D)
Religion (HRE1O)

Grade 10 Required Credits:

French (FSF2D)
Religion (HRE2O)
History (CHC2D)

English grade 9 : ENG1DB – Diploma Preparation

This is an enriched grade 9 academic level course that is designed for students who intend to take ENG2DB in Grade 10 and apply to the International Baccalaureate (IB) Diploma Programme. Students will study and interpret texts from contemporary and historical periods, including short stories, poems, and short essays, and will investigate and create media works. An important focus will be the correct and effective use of spoken and written language. Additional topics of students' and teachers' choices will also be explored. This course encourages students to find and to value their own voice and encounter literature which helps develop their growing awareness of personal growth and relationships, responsibility to the world and its peoples, based on a tradition of Church social teaching which balances the sacred dignity and value of the human person with a striving for the common good.

Pre-requisite: Good achievement in Grade 8 English and teacher recommendation.

English grade 10 : ENG2DB – Diploma Preparation

This is an enriched grade 10 academic level course that is suitable for students who enjoy English and for whom an in-depth treatment of literature is desirable. It is designed for students who intend to apply to the International Baccalaureate (IB) Diploma Programme. Students will study and interpret challenging texts from contemporary and historical periods, including novels, poems, plays, and opinion pieces, and will analyze and create effective media works. Additional topics of students' and teachers' choices will also be explored. The primary goal of Catholic education is to educate for life and to facilitate young people to become discerning believers who demonstrate a Catholic openness and a commitment to social justice. Subsequently, this course encourages students to find and value their own voice through the integration of a variety of literature, media and communication.

Pre-requisite: Good achievement in ENG1D or ENG1DB and teacher recommendation.

Mathematics grade 9 : MPM1DB – Diploma Preparation

This is an enriched grade 9 academic level course that is designed for students who intend to apply to the International Baccalaureate (IB) Diploma Programme. This course enables students to develop generalizations of mathematical ideas through exploration of applications, the effective use of technology and abstract reasoning. Students will investigate relations to develop equations of straight lines in analytic geometry, explore relationships between volume and surface area of objects in measurements and apply extended algebraic skills in problem solving. Students will engage in abstract extensions of core learning that will deepen their mathematical knowledge and enrich their understanding as well as foster patience, tolerance, humility, sharing and the continuous pursuit of the common good, through problem solving. Additional topics of students' and teachers' choices will also be explored. This course helps a Catholic school student to become an effective communicator who presents information and ideas clearly and honestly and with sensitivity to others. Within the setting of a supportive and caring classroom community, the dignity and value of each student is respected and affirmed. By sharing their abilities, students contribute to the good of others, in service to the classroom and school community. Learning through abstract reasoning is an important aspect of this course.

Pre-requisite: Good achievement in Grade 8 Math and teacher recommendation.

Mathematics grade 10 : MPM2DB – Diploma Preparation

This is an enriched grade 10 academic level course that is designed for students who intend to apply to the International Baccalaureate (IB) Diploma Programme. This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills. Additional topics of students' and teachers' choices will also be explored. This course helps a Catholic school student to become a collaborative contributor who works effectively as an interdependent team member. Students will apply Christian values to pose and solve problems, to make logical decisions, and to become critical thinkers who share their abilities for the benefit of all in their classroom and school community. It is strongly recommended that students choosing this course have achieved a final grade of 75% or more in Grade 9 Diploma Preparation Academic Mathematics, MPM1DB.

Pre-requisite: Good achievement in MPM1DB and teacher recommendation.

Mathematics grade 11 : MCR3UB – Diploma Preparation

This is an enriched grade 11 academic level course (taken in Semester 2 of the grade 10 year) that is designed and required for students who intend to apply to the International Baccalaureate (IB) Diploma Programme. This course introduces some financial applications of mathematics, extends students' experiences with functions, and introduces second degree relations. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions and exponential expressions; develop an understanding of inverses and transformations of functions; develop facility in using function notation and in communicating mathematical reasoning. Students will also investigate loci and the properties and applications of conics. Additional topics of students' and teachers' choices will also be explored. This course will help a Catholic student to think reflectively and creatively to evaluate situations and solve problems. It is strongly recommended that students choosing this course have achieved a final grade of 75% or more in Grade 10 Diploma Preparation Academic Mathematics, MPM 2DB.

Pre-requisite: Good achievement in MPM2D or MPM2DB and teacher recommendation.

FSF1D – Core French, Grade 9, Academic / FSF2D – Core French, Grade 10, Academic

HRE1O – Religion, Grade 9, Open / HRE2O – Religion, Grade 10, Open

CHC2D – History, Grade 10, Academic

These five credits are required for students who intend to apply to the International Baccalaureate (IB) Diploma Programme. Please refer to the "System Courses" section of the CCH Course Calendar for further information regarding IB.

Science grade 9 : SNC1DB – Diploma Preparation

This is an enriched grade 9 academic level course that is designed for students who intend to apply to the International Baccalaureate (IB) Diploma Programme. This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics and to develop practical skills in processes of scientific inquiry. Students will learn about scientific theories and pursue inquiries related to cell division and reproduction, atomic and molecular structures, properties of elements and compounds, the universe and space exploration, and the principles of static and current electricity. Additional topics of students' and teachers' choices will also be explored. This course will help students to learn to be reflective, critical and creative thinkers, as well as discerning believers, who can apply their knowledge to the world around them. They can then make appropriate decisions in light of Gospel values and Church teachings.

Pre-requisite: Good achievement in Grade 8 Science and teacher recommendation.

Science grade 10 : SNC2DB – Diploma Preparation

This is an enriched grade 10 academic level course that is designed for students who intend to apply to the International Baccalaureate (IB) Diploma Programme. This course enables students to develop a deeper understanding of the concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion. Additional topics of students' and teachers' choices will also be explored. This course will help students to learn to be reflective, critical and creative thinkers, as well as discerning believers, who can apply their knowledge to the world around them. They can then make appropriate decisions in light of Gospel values and Church teachings.

Pre-requisite: Good achievement in SNC1D or SNC1DB and teacher recommendation.

International Baccalaureate Diploma Programme Higher Level Subjects

English A1 Higher Level

ENG3UB	IB EnglishA1 HL 1
ENG4UB	IB EnglishA1 HL 2
ETS4UB	IB EnglishA1 HL 3

ENG3UB will be taken in grade 11 IB1 year, while ENG4UB and ETS4UB will be taken in the grade 12 IB2 year. Final examinations will be written in May of grade 12 IB2 year.

Pre-requisites: Acceptance into the IB Diploma Programme.

The ENG3UB course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze challenging literary texts from various periods, countries, and cultures, as well as texts written in translation. They will create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity, and fostering an appreciation for the author's craft through detailed analysis of literary devices. The course is intended to prepare students **for the Grade 12 International Baccalaureate English course**. By examining literature from around the world, this course challenges students to develop their ability to discern a moral conscience and encourages global awareness and respect. By integrating Faith and life experiences, this course explores the roles of practical communication and creative expression in the achievement of the Ontario Catholic School Graduate Expectations.

The ENG4UB course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a range of challenging literary texts from various periods, countries, and cultures, as well as texts written in translation. They will create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, and fostering an appreciation for the author's craft through detailed analysis of literary devices. **This course is intended to prepare students to meet all requirements for the IB Diploma Programme's English A1 Higher Level subject.** By examining literature from around the world, this course challenges students to develop their ability to discern a moral conscience and encourages global awareness and respect. Students will use Catholic social teachings to guide their understanding of a variety of texts and how gospel values play a significant role in creating socially just environments.

The ETS4UB course is for students with a special interest in literature and literary criticism. The course will create a link between global issues, important social and political time periods, and diverse literary and analytical texts. Students will analyze a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project. **This course is intended to prepare students to meet all requirements for the IB Diploma Programme's English A1 Higher Level subject.** This course encourages the student to extend their faith from a personal conscience to an active social conscience through the application of the Ontario Catholic School Graduate Expectations.

IB Chemistry Higher Level

SCH3UB	IB Chemistry Higher Level 1
SCH4UB	IB Chemistry Higher Level 2
SNC4MB	IB Chemistry Higher Level 2

Prerequisite: Acceptance into the International Baccalaureate Diploma Programme

The SCH3UB course is designed to provide students with the knowledge and skills they need to meet the entrance requirements for university programs. It emphasizes both independent research skills and independent learning skills. In addition, it focuses on the concepts and theories that form the basis of modern chemistry. Students study the behaviours of solids, liquids, gases, and solutions; investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science. This course seeks to further the achievement of Catholic Graduate expectations through integrating Scripture, Catholic Church

teaching, and moral and ethical reflection. Students are encouraged to become discerning believers who integrate faith with life.

The SCH4UB course enables students to deepen their understanding of chemistry through the study of organic chemistry, energy changes and rates of reactions, chemical systems and equilibrium, electrochemistry, and atomic and molecular structure. Students will further develop problem-solving and laboratory skills as they investigate chemical processes, at the same time refining their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in daily life, and on evaluating the impact of chemical technology on the environment. This course seeks to further the achievement of Ontario Catholic Graduate Expectations through integrating Scripture, Catholic Church teaching, and moral and ethical reflection. Students are encouraged to become discerning believers who integrate faith with life.

The SNC4MB course enables students, including those who do not intend to pursue science-related programs at the postsecondary level, to further develop their understanding of science and its technological applications. Students will explore a range of topics, including organic products in everyday life; pathogens and disease; energy alternatives and their impact globally; communications systems; and science and contemporary societal issues. Emphasis will be placed on relating these topics to global issues as well as to daily life, and on developing skills in the areas of experimentation, research, critical thinking, and analysis.

IB History of the Americas Higher Level

CHA3UB

IB American History HL, Grade 11, University Preparation

CHY4UB

IB World History: The West and the World HL, Grade 12, University Preparation

Prerequisite: Acceptance into the International Baccalaureate Diploma Programme

The CHA3UB course traces the social, economic, and political development of the United States from colonial times to the present **with a special emphasis on the twentieth century**. Students will examine issues of diversity, identity, and culture that have influenced the country's social and political formation and will consider the implications of its expansion into a global superpower. Students will use critical-thinking and communication skills to determine causal relationships, evaluate multiple perspectives, and present their own points of view.

The CHY4UB course investigates the major trends in Western civilization and world history from the sixteenth century to the present **with a particular emphasis on the twentieth century**. Students will learn about the interaction between the emerging West and other regions of the world **with a particular emphasis on the Americas** and about the development of modern social, political, and economic systems. They will use critical-thinking and communication skills to investigate the historical roots of contemporary issues and present their conclusions. **Three areas of focus in the course will be on the causes, practices and effects of wars, the rise and rule of single party states, and the origins and effects of the Cold War.**

International Baccalaureate Diploma Programme Standard Level Subjects and Electives

IB Mathematics Standard Level

MDM4UB*	IB Mathematics Standard Level, Mathematics of Data Management, Grade 12, University Preparation
MHF4UB	IB Mathematics Standard Level, Advanced Functions, Grade 12, University Preparation
MCV4UB	IB Mathematics Standard Level, Calculus and Vectors, Grade 12, University Preparation

***Please note that all IB Subject requirements can vary from one year to the next. IB students are strongly urged to take the MHF4UB and MCV4UB IB Mathematics SL courses rather than the MDM4UB**

Prerequisite:

Acceptance into the International Baccalaureate Diploma Programme

The MDM4UB course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course will help a Catholic student to think reflectively and creatively to evaluate situations and solve problems.

The MHF4UB course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Catholic students will find this course to be an excellent opportunity to think reflectively and creatively in order to evaluate situations and solve problems.

The MCV4UB course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Catholic students will find this course to be an excellent opportunity to think reflectively and creatively in order to evaluate situations and solve problems.

IB French B Standard Level

FSF3UB	IB French B Standard Level
FSF4UB	IB French B Standard Level

FSF3UB and FSF4UB may be taken over a 2 year period in grades 11 and 12 with final examinations in May of the grade 12 year or they may be taken in the grade 11 IB1 year with final examinations in May of the grade 11 year.

Prerequisite: Acceptance into the International Baccalaureate Diploma Programme

The study of a modern language entails acquiring a language system and applying it in four active and interrelated ways: listening, speaking, reading and writing. These four skills involve exchanging ideas and effective communication. Effective communication, in turn, involves the intellectual process of understanding how ideas can best be expressed to the audience concerned. Understanding ideas, and expressing them clearly and convincingly, demands an awareness of the cultural characteristics of the audience. While focusing on the acquisition of language, better understanding of cultural interaction and more precise message delivery, this programme will also allow the student to meet the Ontario Catholic Graduate Expectations by helping him/her to be an effective communicator who speaks, writes, listens honestly and sensitively, responding critically in light of gospel values. The student will strive to become a reflective, creative and holistic thinker who solves problems and makes responsible decisions with an informed moral conscience for the common good.

These 2 French B Standard Level courses draw on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world known as La Francophonie through their reading and listening of a variety of material. Students will produce various written assignments, including a 300+ word essay chosen from

several topics set by the IBO. Final examinations set and marked externally by an international panel of IB Language B Subject Teachers and World Examiners will include the writing of 2 papers which will test reading and writing proficiency. Students will also improve and consolidate their oral skills as they discuss literature, culture, and current issues culminating in a 20 minute oral presentation which will be recorded and assessed internally and then sent to an IB World Examiner for moderation. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

This course will help the student to meet the Ontario Catholic Graduate Expectations, by helping him/her to be an effective communicator who speaks, writes, listens honestly and sensitively, responding critically in light of gospel values. The IB student will strive to become a reflective, creative and holistic thinker who solves problems and makes responsible decisions with an informed moral conscience for the common good.

IB Business Management Standard Level elective choice

BAF3MB IB Business Management Standard Level, Financial Accounting Fundamentals

BOH4MB IB Business Management Standard Level, Business Leadership: Management Fundamentals

Both these courses represent an IB Diploma Programme elective choice and both are taken during the IB student's grade 11 IB1 anticipated year. Final examinations will take place in May of the student's grade 11 year.

Prerequisite: Acceptance into the International Baccalaureate Diploma Programme

The curriculum model for Diploma Programme Business and Management is a core curriculum for HL and SL consisting of five topics with common content and learning outcomes. These topics are covered in both the BAF 3MB and BOH 4MB courses. Marketing, topic 4, is also completed independently.

IB Business and Management SL Core Topics:

1. Business Organization and Environment
2. Human Resources
3. Accounts and Finance
4. Marketing
5. Operations Management

The grade 11 Semester 1 BAF3MB course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting. A specific unit has been developed to encompass and integrate a decision-making framework that is moral and ethically sound in light of gospel values.

IB Business and Management SL Core Topic:

- a) Accounts and Finance

The BOH4MB grade 12 course, taken in Semester 2 of the IB grade 11 year, focuses on the development of leadership skills used in managing a successful business. Students will analyze the role of a leader in business with a focus on decision-making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility will be emphasized throughout the course. Catholic students will learn that all businesses can attain prosperity within the precepts of our faith. It is essential that students guide their decisions and activities in the light of the Gospels and are faithful to the principles of Catholic social teaching such as the dignity of the human person, a preferential option for the poor, a commitment to the common good, and the practice of stewardship of God's creation.

IB Business and Management SL Core Topic:

- a) Business Organization and Environment
- b) Human Resources
- c) Marketing
- d) Operations Management

IB Biology Standard Level elective choice

SBI3UB IB Biology Standard Level
SBI4UB IB Biology Standard Level

Both these courses represent an IB Diploma Programme elective choice and both are taken during the IB student's grade 11 IB1 anticipated year. Final examinations will take place in May of the student's grade 11 year.

Prerequisite: Acceptance into the International Baccalaureate Diploma Programme

The SBI3UB course furthers students' understandings of the processes involved in biological systems. Students will study cellular functions, genetic continuity, internal systems and regulation, the diversity of living things, and the anatomy, growth, and functions of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. University preparation courses are designed to equip students with the knowledge and skills they need to meet the entrance requirements for university programs. Teaching and learning will emphasize theoretical aspects of the course content and will also include concrete applications. Emphasis is also placed on the development and demonstration of both independent research skills and independent learning skills by students. This course seeks to integrate Scripture, Catholic Church teaching, and moral and ethical reflection. Biology becomes authentic when it acknowledges both the material and spiritual dimensions of life.

The SBI4UB course provides students with an in-depth study of biological processes. Students study metabolic processes, evolution, molecular genetics, homeostasis, and population dynamics. The course focuses on the theoretical aspects of the topics under study. Students further develop their investigation skills through researching, designing and conducting experiments. In addition, students link concepts studied to technological applications. Through the achievement of detailed knowledge and skills, students are prepared for further study in various branches of life sciences and related fields. This course profile integrates relevant Catholic beliefs, values and Church teachings within the overall context of the knowledge and skills being addressed. While each unit has an integrity and autonomy of its own, there are also identifiable themes that bridge each of the units and connect them in a holistic way. A crucial theme in the course is the theory of evolution. As such, it provides a framework around which knowledge, skills and values are organized.

IB Music Standard Level elective choices (Candidates will choose ONE of THREE Music options)

AMI3MB IB Music Standard Level Instrumental (Band)
AMI4MB IB Music Standard Level Instrumental (Band)

Both these courses represent an IB Diploma Programme Elective choice and both are taken during the IB student's grade 11 IB1 anticipated year. Final examinations will take place in May of the student's grade 11 year.

Prerequisite: Acceptance into the IB Diploma Programme. It is also recommended that both AMI1O1 AND AMI2O1 be taken in grades 9 and / or 10.

The AMI3MB course emphasizes the appreciation, analysis and performance of various kinds of instrumental music, including baroque and classical music, popular music, and Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyse and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities.

The AMI4MB course emphasizes the appreciation, analysis and performance of instrumental music from the romantic period and the twentieth century, including art music, jazz, popular music and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects.

AMS3MB **IB Music Standard Level Orchestral String**
AMS4MB **IB Music Standard Level Orchestral String**

Both these courses represent an IB Diploma Programme Elective choice and both are taken during the IB student's grade 11 IB1 anticipated year. Final examinations will take place in May of the student's grade 11 year.

Prerequisite: Acceptance into the IB Diploma Programme. It is also recommended that both AMS10x AND AMS20x be taken in grades 9 and / or 10.

The AMS3MB course emphasizes the appreciation, analysis and performance of various kinds of instrumental music, including baroque and classical music, popular music, and Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyse and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities. Students will also learn to play a secondary string instrument.

The AMS4MB course emphasizes the appreciation, analysis and performance of string music from the romantic period and the twentieth century, including art music, jazz, popular music and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently at an advanced level on their stringed instruments.

AMV3MB **IB Music Standard Level Vocal Music**
AMV4MB **IB Music Standard Level Vocal Music**

Both these courses represent an IB Diploma Programme Elective choice and both are taken during the IB student's grade 11 IB1 anticipated year. Final examinations will take place in May of the student's grade 11 year.

Prerequisite: Acceptance into the IB Diploma Programme. It is also recommended that both AMV10 AND AMV20 be taken in grades 9 and / or 10.

The AMV3MB course emphasizes the appreciation, analysis and performance of various kinds of vocal and choral music, including baroque and classical music, popular music, and Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyse and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities.

The AMV4MB course emphasizes the appreciation, analysis and performance of string music from the romantic period and the twentieth century, including art music, jazz, popular music and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently at an advanced level. They will also complete complex creative projects

Ontario Catholic School Graduate Expectations
The Catholic graduate is expected to be...

1. **A Discerning Believer Formed in the Catholic Faith Community**
2. **An Effective Communicator**
3. **A Reflective and Creative Thinker**
4. **A Self-Directed, Responsible, Life Long Learner**
5. **A Collaborative Contributor**
6. **A Caring Family Member**
7. **A Responsible Citizen**

IB Student Learner Profile

IB programmes aim to develop internationally minded students who are striving to become

Inquirers	Their natural curiosity is nurtured. They acquire the skills necessary to conduct constructive inquiry and research, and become independent learners. They actively enjoy learning and this love of learning will be sustained throughout their lives.
Knowledgeable	They explore concepts, ideas and issues, which have global relevance and importance. In so doing, they acquire, and are able to make use of, a significant body of knowledge across a range of disciplines
Thinkers	They exercise initiative in applying thinking skills critically and creatively to approach complex problems and make reasoned decisions.
Communicators	They understand and express ideas and information confidently and creatively in more than one language and in a variety of modes of communication.
Risk-takers	They approach unfamiliar situations with confidence and forethought, and have the independence of spirit to explore new roles, ideas and strategies. They are courageous and articulate in defending their beliefs.
Principled	They recognize universal human rights and morality. They have integrity, honesty, a sense of fairness and justice and respect for the dignity of the individual.
Caring	They show empathy, compassion and respect towards the needs and feelings of others. They have a personal commitment to action and service to make a positive difference to the environment and to the lives of others.
Open-minded	They understand and appreciate their own culture, and are open to the perspectives, values and traditions of other individuals and cultures. They are accustomed to seeking and considering a range of points of view.
Well-balanced	They understand the importance of physical and mental balance and personal well-being for themselves and others. They demonstrate perseverance and self discipline.
Reflective	They give thoughtful consideration to their own learning and personal development. They are able to analyze their strengths and weaknesses in a constructive manner.