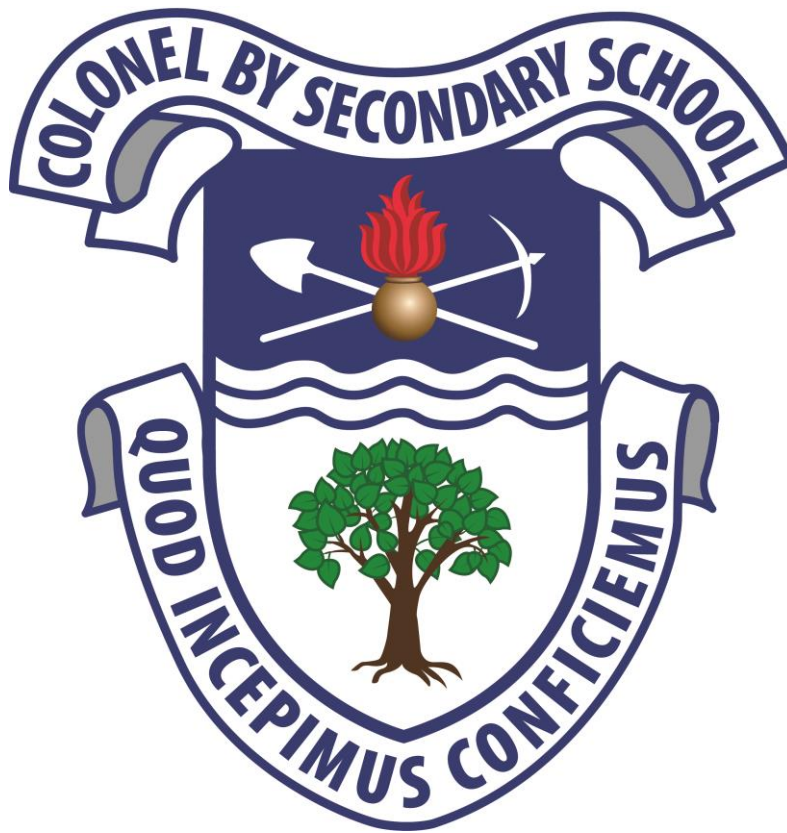




INTERNATIONAL BACCALAUREATE  
AT COLONEL BY SECONDARY SCHOOL

## The Complete IB Course Guide for 2015 - 2016



## A Brief Overview

Students studying in the IB Programme at Colonel By take two years of preparatory classes in grade 9 and 10 before moving to the full IB Diploma Programme in grades 11 and 12.

Throughout the course of study, all students complete the requirements for both the Ontario Secondary School Diploma (OSSD) and the International Baccalaureate Diploma Programme (IBDP).

Classes in the 9<sup>th</sup> and 10<sup>th</sup> grade that are enriched, preparatory courses to meet the later challenges of the IB Diploma Programme are generally marked with either an 'E' or a 'J'. Enrichment in these classes usually takes the form of additional subject material which is taught at a faster pace than in the Ontario program.

The 11<sup>th</sup> and 12<sup>th</sup> grades are considered formal IBDP years at Colonel By. Over the course of the final two years, students must satisfy the requirements of the IB Diploma Programme. The IBDP model is provided below.



Over the course of the 11<sup>th</sup> and 12<sup>th</sup> grade, students:

- study six subjects from Studies in Language and Literature, Individuals and Societies, Mathematics, Language Acquisition, Sciences, and The Arts (students are permitted to substitute the Arts group for an additional subject from groups 2, 3, or 4 if they do not wish to take a subject from The Arts)
- complete an extended essay
- follow a theory of knowledge (ToK) course and a ToK essay
- complete the requirements of creativity, action, service (CAS)

Normally:

- three of the six subjects chosen above will be studied at higher level (HL)
- the remaining three subjects are studied at (SL)
- As a point of reference, HL examinations have more depth to them and usually have slightly more rigorous evaluation criteria for examinations and assignments
- unless otherwise stated, all IB courses at Colonel By are taught at the HL level even though there may be the option to write the SL examinations at the end of the course

At Colonel By:

- occasionally students in the 11<sup>th</sup> and 12<sup>th</sup> grade will complete more than six IB subjects; this is permissible and an additional certificate(s) will be granted by the International Baccalaureate Organization (IBO)
- students who choose to write the French A: Language and Literature examination at the end of the FIF4UE course will receive a bilingual diploma from the IBO; all students who complete the immersion program at Colonel By will receive an immersion certificate as part of their OSSD
- no student may take more than 2 courses that examine in the grade 11 year; this is an IB rule and is not negotiable

## Core Requirements

*Extended Essay* – The extended essay, with a prescribed limit of 4000 words, offers students the opportunity to investigate a topic of individual interest within one of the subjects offered at Colonel By. Students develop independent research and writing skills expected at a tertiary level.

This core task is typically begun in the middle of March of the grade 11 year and culminates in the first half of the grade 12 year. While the extended essay is not tied to a course, it is an IBDP curriculum requirement and students are expected to be in touch with their assigned supervisor throughout the process.

*Theory of Knowledge* – The interdisciplinary ToK course is designed to provide coherence by exploring the nature of knowledge across all disciplines, encouraging an appreciation of other cultural perspectives. Students are asked to explore “how they know what they know”.

ToK begins with the HZT4UE course in the grade 11 year. All students in grade 11 must select this course as one of their options. The ideas developed in the class are filtered throughout the 12<sup>th</sup> grade courses students take, and there are separate ToK sessions in the 12<sup>th</sup> grade students must attend.

*Creativity, Action, Service* – Participation in the school's CAS program encourages students to be involved in artistic pursuits, sports, and community service work, thus fostering their awareness and appreciation of life outside the academic arena.

CAS' primary goal is for students to develop balanced lives and to realize that learning which occurs outside of the classroom through various activities is as important and formative as learning that takes place inside the classroom.

At Colonel By, students will complete eight CAS outcomes while completing a minimum of fifty hours in each of creativity, action, and service. Full information on the CAS program at Colonel By can be found at [www.ibcb.ca/cas.php](http://www.ibcb.ca/cas.php).

## **Group 1 – Studies in Language and Literature**

The range of texts studied in language courses is broad, and students grow to appreciate a language's complexity, wealth, and subtleties in a variety of contexts. A specific aim is to engender a lifelong interest in literature and a love for the elegance and richness of human experience.

Colonel By's chosen Group 1 offering is Language A: Literature.

All students must make the below selections on their option sheets in the designated year.

Grade 9: ENG1DE

Grade 10: ENG2DE

Grade 11: ENG3UE

Grade 12: ENG4UE (course examines this year; HL and SL options available)

## **Group 2 – Language Acquisition**

It is a requirement of the IBDP that students study at least one second language. The aim of this requirement is to promote an understanding of another culture through the study of a second language. The main emphasis of the modern language courses is on language acquisition and use in a range of contexts and purposes. Three options are available to accommodate students with different backgrounds.

Colonel By offers second language courses in French and Spanish. Students are permitted to take both languages, should they wish.

*Language ab initio* courses are for beginners (that is, students who have no previous experience of learning the language they have chosen). These courses are only available at standard level and are rarely done at Colonel By as the vast majority of our students gain exposure to the second language for a minimum of 1-2 years before beginning the IBDP in grade 11. In instances where an *ab initio* course is permissible, the student will be in the core program and the teacher will differentiate instruction to assist the student.

*Language B* courses are intended for students who have had some previous experience of learning the language. They may be studied at either higher or standard level. At Colonel By, these courses would be designated as Core French or Core Spanish.

*Language A* courses are designed for students who have a high level of competence in the language they have chosen. They include the study of both language and literature, and are available at higher level and standard level. At Colonel By, students taking the FIF4UE course as part of the French Immersion program may opt to take a Language A: Language and Literature examination in French at the end of the course or to complete the Language B examination in French.

Please note that courses with the FSF designation are Core French and courses with the FIF designation are Immersion classes. Core Spanish classes are designated by LWS.

All students must take one French course in grade 9 in order to satisfy the OSSD requirements.

Grade 9: FSF1DE or FIF1D and/or LWSAD

Grade 10: FSF2DE or FIF2D and/or LWSBD

Grade 11: FSF3UE or FIF3UE and/or LWSCU

Grade 12: FSF4UE or FIF4UE and/or LWSDU (all courses examine; HL and SL available)

## **Group 3 – Individuals and Society**

It is a requirement of the program that students study at least one subject from group 3.

Each group 3 subject is designed to foster in students the capacity to identify, to analyze critically, and to evaluate theories, concepts and arguments relating to the nature and activities of individuals and societies.

Please note that all students must take at least one geography course in grade 9 and one history course in grade 10 in order to satisfy OSSD requirements. In instances where there is a (J) beside the course, it denotes that the course is available in the French Immersion program. Those students in French Immersion must select the (J) option course code when filling out their option sheet.

At Colonel By, students can choose from three courses to fulfill the IBDP requirements.

- geography
- history
- information technology in a global society

### ***Geography***

Grade 9: CGC1DE(J)

Grade 10: CGF3ME (this course is a pre-requisite for CGW4UE; students can also opt to wait until the 11<sup>th</sup> grade to take CGF3ME)

Grade 11: CGF3ME or CGW4UE (CGW4UE examines this year at SL)

Grade 12: CGW4UE (course examines this year; HL and SL option available)

### ***History***

Grade 9: No course

Grade 10: CHC2DE(J)

Grade 11: CHI4UE

Grade 12: CHY4UE (course examines this year; HL and SL option available)

### ***Information Technology in a Global Society***

Grade 9: TGJ1O or TIJ1O

Grade 10: TGJ2O or ICS2O (pre-requisites for TGJ3ME; a student must take one of them)

Grade 11: TGJ3ME (course examines this year; SL option only)

Grade 12: TGJ3ME (course examines this year; SL option only)

## Group 4 – Experimental Sciences

It is a requirement of the IBDP that students study at least one subject from group 4.

Students explore the concepts, theories, models and techniques that underpin each subject area and through these develop their understanding of the scientific method.

A compulsory project encourages students to appreciate the environmental, social, and ethical implications of science. This exercise is collaborative and interdisciplinary: students analyze a topic or problem that can be investigated in each of the science disciplines offered by the school. It is also an opportunity for students to explore scientific solutions to global questions.

Colonel By offers four possible science options:

A: Biology

B: Chemistry

C: Physics

D: Sports, Exercise, and Health Science.

Students must take the courses listed in grade 9 and 10. In grade 11, students may choose from Chemistry (SCH), Biology (SBI), and Physics (SPH). Students may take Sports, Exercise, and Health Science (PSE4UE) in the 12<sup>th</sup> grade provided they have taken one senior science course (SCH3U/E, SBI3U/E, or SPH3U/E) in the 11<sup>th</sup> grade. PSE4UE may be taken in tandem with any of these courses or as a replacement for one of them.

Students in French Immersion must take the (J) course where listed.

Grade 9: SNC1DE(J)

Grade 10: SNC2DE(J)

Grade 11: SCH3UE and/or SBI3UE and/or SPH3UE and/or SBI3U/SCH3U/SPH3U (SEHS ONLY)

Grade 12: SCH4UE and/or SBI4UE and/or SPH4UE and/or PSE4UE (courses examine this year; HL and SL options available; PSE4UE is SL only)

## Group 5 – Mathematics

It is a requirement of the programme that students study one course in mathematics.

Colonel By offers three levels of mathematics for study: mathematical studies standard level; mathematics standard level; mathematics higher level.

These three courses serve to accommodate the range of needs, interests, and abilities of students, and to fulfil the requirements of various university and career aspirations.

All three courses aim to enable students to develop mathematical knowledge, concepts and principles; develop logical, critical and creative thinking; employ and refine their powers of abstraction and generalization. Students are also encouraged to appreciate the international dimensions of mathematics and the multiplicity of its cultural and historical perspectives.

It is recommended that students heed the advice of their math teacher when choosing their level of study in mathematics. If in doubt, they should make arrangements to speak to the Mathematics Head or IB Coordinator.

In the grade 9 year, students who take MPM1D are only able to take mathematical studies standard level. This course is appropriate for students who may not find mathematics as an area of strength or who are considering a liberal arts course of study at university. Students can still take grade 12 university math courses within the Ontario program in their final year should they wish.

Students entering in the grade 10 year from another non-IB school are highly recommended to take MPM2D in summer school to be prepared for the rigours of MPM2DE should they wish to pursue mathematics standard level or mathematics higher level.

In the grade 11 year, MCR3UE is the mathematical studies option. All mathematics higher level courses have a '1' at the end, and all mathematics standard level courses have a '2' at the end. Students may opt out of their level of math but should know that this can sometimes create the need for extra work in order to satisfy the curriculum requirements of the new course. There can also be difficulty in adjusting timetables that may not allow for the level to be changed. No student can jump up a level of math after the 11<sup>th</sup> grade. Again, we highly recommend heeding the advice of the math teacher when choosing the level of study.

Grade 9: MPM1DE or MPM1D

Grade 10: MPM2DE or MPM2D

Grade 11: MHF4U1 (HL) or MHF4U2 (SL) or MCR3UE (MCR3UE examines at SL)

Grade 12: MCV4U1 (HL) or MCV4U2 (SL) or MCR3UE (SL) (all courses examine)



## **Group 6 – The Arts**

The study of an Arts subject from group 6 is optional. Students may fulfill the group 6 requirement by taking an additional course from groups 2, 3, or 4.

All subjects in group 6 allow a high degree of adaptability to different cultural contexts. The emphasis is on creativity in the context of disciplined, practical research into the relevant genres. The assessment of these subjects reflects an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world. In particular, there is no indication of a western-oriented bias.

At Colonel By, students choosing to take a Group 6 subject may choose among film, music, and visual arts.

Please note that where music is mentioned, the course is based around group performance of instrumental music of the brass and woodwind families.

### *Film*

Grade 9: TGJ1O or TIJ1O

Grade 10: TGJ2O or ICS2O

Grade 11: TGJ3ME

Grade 12: TGJ4ME (examines at SL)

### *Music*

Grade 9: AMU1O1 or AMU1O2 (AMU1O1 is for beginner musicians who have less than 1 year of experience while AMU1O2 is for more experienced musicians)

Grade 10: AMU2O

Grade 11: AMU3ME

Grade 12: AMU4ME (examines at SL)

AMR band courses may be taken concurrently.

### *Visual Arts*

Grade 9: AVI1O

Grade 10: AVI2O or AVI3ME

Grade 11: AVI3ME or AVI4ME (Students taking the SL course, AVI4ME, examine)

Grade 12: AVI4ME or AWM4ME (AVI4ME examines at SL or HL; AWM4ME examines at HL)