

Colonel By

Secondary School



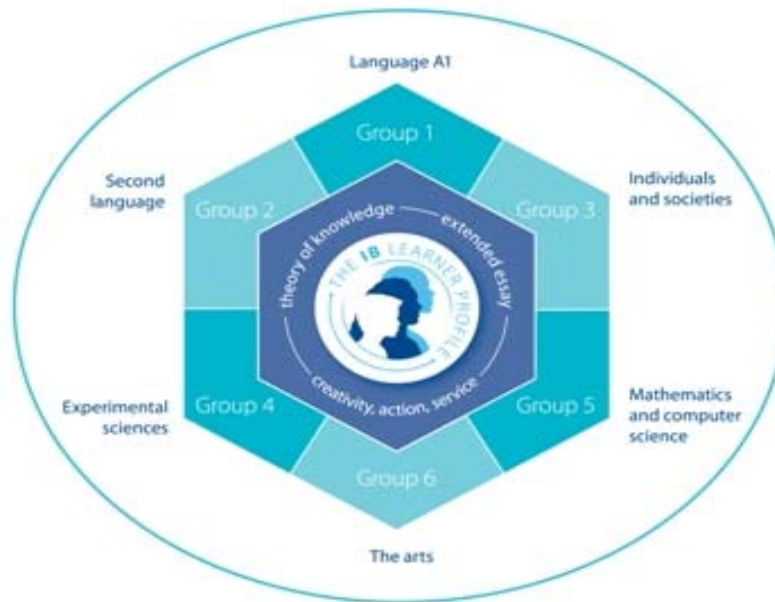
The Complete IB Course Guide for 2010-2011



Diploma Program curriculum

Program model

The curriculum is modelled by a hexagon with six academic areas surrounding the three core requirements.



Over the course of the two-year program, students:

- study six subjects chosen from the six subject groups (students may take a second course from groups 2-4 rather than a group 6 subject if they wish)
- complete an extended essay
- follow a theory of knowledge course (TOK)
- participate in creativity, action, service (CAS)

Normally:

- three of the six subjects are studied at higher level (HL)
- the remaining three subjects are studied at standard level (SL)

At Colonel By:

- grades 9 and 10 are enriched preparatory classes for the challenge of completing the full IB diploma
- some students will choose to complete more than 6 IB subjects; for each additional subject completed, IB will grant the student an extra certificate in addition to their IB diploma
- all students who complete their Second Language requirement at an immersion level will receive a bilingual diploma from IB
- no student may take more than 2 courses that examine in the grade 11 year (this is an IB rule)

Core Requirements

- **Extended essay**

The extended essay, with a prescribed limit of 4,000 words, offers students the opportunity to investigate a topic of individual interest and acquaints them with the independent research and writing skills expected at tertiary level.

This core task is typically begun in mid-March of the grade 11 year and culminates in the first half of the grade 12 year. The requirement is not tied to a course, however students are expected to be in touch with their assigned extended essay supervisor throughout the process.

- **Theory of knowledge (TOK)**

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.

TOK begins within the HZT4UE course in the grade 11 year. All students in grade 11 must select this course as one of their options. While the course culminates in grade 11, students are allowed the opportunity to grow and work on their TOK essay into the beginning of their grade 12 year.

- **Creativity, action, service (CAS)**

Participation in the school's CAS programme 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.

The expectation is that students will complete a minimum of 50 hours in each of the creativity, action, and service areas for a total of 150 hours. Students would be well-advised to exceed that number somewhat on the off-chance that some of the submitted hours are deemed unacceptable by the IBO.

Group 1 – Language A1

Language A1 is the study of literature in a student's first language, including the study of selections of world literature. In the case of Colonel By, the language of study is English.

The range of texts studied in Language A1 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 expression.

Students are prepared throughout grades 9-10 to meet the requirements of the IB diploma-level courses in grades 11-12. In grade 12, students may select whether they wish to write the IB examination at either the Higher Level or Standard Level.

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 – Second Language

It is a requirement of the programme that students study at least one subject from group 2.

The aim 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 for different purposes. Three options are available to accommodate students with different backgrounds.

- **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 IB diploma in grade 11.
- **Language B** courses are intended for students who have had some previous experience of learning the language. They may be studied at either higher level or standard level. At Colonel By, these courses would be designated as Core French or Core Spanish.
- **Language A2** 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, this option is only available in French to those students taking French immersion.
- Students may opt to take both French and Spanish should they wish

Please note that courses with FSF are Core French classes, and courses with FIF are Immersion classes. LWS classes denote Spanish.

In the grade 9 year all students **MUST** take one French course to satisfy the requirements of the Ontario Secondary School Diploma.

Students who were in the French Immersion program in Grade 8 and have opted to take the English program in Grade 9 **MUST** take FSF2DE in Grade 9 and will therefore write their IB examination in Grade 11 at the standard level. This has been denoted below by the /.

Students will choose from the options below based on the second language that they wish to study. They must continue taking the course until they examine in either French or Spanish.

Grade 9: FSF1DE/FSF2DE or FIF1D and/or LWSAD

Grade 10: FSF2DE/FSF3UE or FIF2D and/or LWSBD

Grade 11: FSF3UE/FSF4UE or FIF3UE and/or LWSCU (Immersion students taking core examine at SL)

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

Group 3 – Individuals and Society

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

Three subjects are available:

- geography
- history
- information technology in a global society

Studying any one of these subjects provides for the development of a critical appreciation of:

- human experience and behaviour
- the varieties of physical, economic and social environments that people inhabit
- the history of social and cultural institutions.

In addition, each 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 Ontario Secondary School requirements. In instances where there is a (J) beside the course, that denotes that the course is available as a French Immersion course. Those students in French Immersion must select the J option course code when filling out their option sheet.

Geography

Grade 9: CGC1DE(J)

Grade 10: CGF3ME (this course is a pre-requisite for CGU4UE)

Grade 11: CGF3ME or CGU4UE (CGU4UE examines this year at SL)

Grade 12: CGU4UE (course examines this year; HL and SL options available)

History

Grade 9: No course

Grade 10: CHC2DE(J)

Grade 11: CHA3UE

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

Information Technology in a Global Society

Grade 9: TIJ1O

Grade 10: TGJ2O

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

Grade 12: TGJ3ME (should the need arise, some students will take TGJ3ME in their grade 12 year; the course is only available as an SL option regardless of the year it is taken)

Group 4 – Experimental Sciences

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

Three subjects are available:

- biology
- chemistry
- physics

Biology and physics are available at both standard level and higher level. Chemistry is available at higher level only.

Each subject contains a body of knowledge together with scientific methods and techniques that students are required to learn and apply. In their application of scientific methods, students develop an ability to:

- analyze
- evaluate, and
- synthesize scientific information

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.

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). In instances where there is a (J) beside the course, that denotes that the course is available as a French Immersion course. Those students in French Immersion must select the J option course code when filling out their option sheet.

Grade 9: SNC1DE(J)

Grade 10: SNC2DE(J)

Grade 11: SCH3UE and/or SBI3UE and/or SPH3UE

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

Group 5 – Mathematics

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

Three courses in mathematics are available:

- mathematical studies standard level
- mathematical methods 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.

The aims of these courses are 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. If

in doubt, they should make arrangements to speak to the Mathematics Head or the IB Coordinator.

In the grade 9 year students who take MPM1D can only qualify to take mathematical studies. Mathematical studies would be considered the easiest of the IB options and is generally recommended for students who may not be astute in mathematics.

In the grade 11 year, MCR3UE is the mathematical studies option. Courses with a 1 beside them denote the higher level option, while courses with a 2 beside them denote the standard level option. 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 level of math. This is just one reason why heeding the advice of the math teacher when choosing the level of study is in the student's best interests.

Grade 9: MPM1DE or MPM1D

Grade 10: MPM2DE or MPM2D

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

Grade 12: MCV4U1 or MCV4U2 or MCR3UE (all courses examine this year; MCV4U1 at HL and MCV4U2 and MCR3UE at SL)

Group 6 – The Arts

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

Three subjects are available in group 6:

- film
- music
- visual arts

Of the options, only visual arts is available at the higher level.

The 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.

Please note that where Music is mentioned the course is based around instrumental music utilizing instruments of the brass and woodwind families.

Film

Grade 9: TIJ1O

Grade 10: TGJ2O

Grade 11: TGJ3ME

Grade 12: TGJ4ME (subject examines this year at SL only)

Music

Grade 9: AMU1O1 or AMU1O2 (AMU1O1 is for beginner musicians while AMU1O2 is for more advanced players)

Grade 10: AMU2O

Grade 11: AMU3ME

Grade 12: AMU4ME

AMR band courses are normally taken concurrently and help to fulfil the IB requirement for live performances.

Visual Arts

Grade 9: AVI1O

Grade 10: AVI3ME

Grade 11: AVI4ME (subject examines this year at SL)

Grade 12: AVI4ME or AWM4ME (subjects examine this year in SL and HL)

Information to Consider

When selecting your courses, especially those in grade 11 and 12, the following university program information is useful. Please note that the information below is only a general guideline and there may be some universities which have unique requirements specific to their own programs. It is the responsibility of the student and his/her family to look into those requirements or to make an appointment with a guidance counsellor to discuss options.

If applying as a Liberal Arts student to do a Bachelor of Arts, universities will consider ENG4UE and your next best 5 courses, of which 2 can be at the M level.

If applying to a Science program, universities will consider ENG4UE, 2 of the 3 sciences, and your next best 3 courses, of which 2 can be at the M level.

If applying to an Engineering program, universities will consider ENG4UE, SPH4UE, SCH4UE, MCV4U1or2, MHF4U1or2, and one other subject which can be at the M level.

If applying to Commerce, universities will consider ENG4UE, MCV4U1or2, MHF4U1or2 and 3 other courses, of which 2 can be at the M level.

In order to properly plan, students and their families should consult <http://www.electronicinfo.ca/> to determine individual university requirements for applications.

Other Courses

Students and parents should consult http://www.ocdsb.ca/Documents/OCDSB_Publications/2010-2011_SCB.pdf for any elective courses and course information.

Course Work Chart

The chart below is intended to be a work sheet for course planning purposes. Some mandatory courses to fulfil the requirements of the Ontario Secondary School Diploma as well as the IB Diploma have already been put into place. Please note that in the case where a student is planning on taking a course in one of the slots that has a course already written in it, the course should be written in as the option. For example, this would be the case for those students who wish to take the geography course CGF3ME in grade 10 where CHC2DE(J) occupies the group 3 space.

	Grade 9	Grade 10	Grade 11	Grade 12
Group 1	ENG1DE	ENG2DE	ENG3UE	ENG4UE
Group 2	FSF1DE or FIF1D or FSF2DE			
Group 3	CGC1DE(J)	CHC2DE(J)		
Group 4	SNC1DE(J)	SNC2DE(J)		
Group 5	MPM1DE or MPM1D	MPM2DE or MPM2D		
Group 6	Students must take one arts course			
Option #1		Civics/Careers	HZT4UE (TOK)	
Option #2				

IB STUDENT CONTRACT & OPTION SHEET: YEAR 2010-2011

Grades 10-12

1. Grade 10 and Grade 11 students must take 8 courses. Grade 12 students must take the minimum number of courses to graduate but no less than 6.
2. Immersion students: grade 10 students must take FIF2D + 3 courses in French; grade 11 students must take FIF3U; grade 12 students must take FIF4U.
* Students in a grade 9 French immersion program who are choosing not to continue with French immersion in grade 10 but wish to take French must choose FSF3UE. Likewise, students who have taken FIF2D and wish to continue in Core French must choose FSF4UE.
3. Students not taking French must take Spanish as their IB second language. In Pre-IB, they must take LWSBD followed by LWSCU in IB1 and LWSDU in IB2.
4. Follow the IB Prospectus carefully to ensure your course choices are appropriate.

GROUP	SUBJECT(S)	Grade 10 – PRE-IB	Grade 11 – IB1	Grade 12 – IB2
GROUP 1 (Language A)	English	ENG2DE	ENG3UE	ENG4UE (HL or SL)
GROUP 2 (Second Language)	French A2 - Immersion	FIF2D	FIF3UE	FIF4UE (HL or SL)
	French B – Core French Enriched	FSF2DE or FSF3UE*	FSF3UE or FSF4UE * (SL)	FSF4UE (HL or SL)
	Spanish B SL	LWSBD	LWSCU	LWSDU (HL or SL)
GROUP 3 (Individuals & Societies)	Geography SL or HL	CGF3ME	CGF3ME or CGU4UE (SL)	CGU4UE (HL or SL)
	History SL or HL	CHC2DE CHC2DJ (Immersion)	CHA3UE	CHY4UE (HL or SL)
	Info Tech (ITGS SL)	TGJ2O	TGJ3ME (ITGS SL)	
GROUP 4 (Experimental Sciences)	Biology SL or HL		SBI3UE	SBI4UE (HL or SL)
	Chemistry HL	SNC2DE or SNC2DJ (Immersion)	SCH3UE	SCH4UE (HL)
	Physics SL or HL		SPH3UE	SPH4UE (HL or SL)
GROUP 5 (Mathematics)	Math HL	MPM2DE or	MHF4U1 (HL)	MCV4U1 (HL)
	Math SL	MPM2DE or	MHF4U2 (SL)	MCV4U2 (SL)
	Math Studies	MPM2D	MCR3UE (SL)	
GROUP 6 (Arts & Electives)	Music	AMU2O	AMU3ME	AMU4ME (SL)
	Visual Arts	AVI3ME	AVI4ME (SL)	AVI4ME (HL or SL) AWM4ME (HL)
	Health & Phys Ed	PPL2OP (female) PPL2O1 (Immersion female) PPL2OQ (male) PPL2O2 (Immersion male)		
	Electives from group 1			EWC4U1 (SL)
	Electives from group 2		LWSCU	LWSDU (HL or SL)
	Electives from group 3	CGF3ME (SL) TGJ2O	CGF3ME (HL or SL) CGU4UE (SL) CHA3UE TGJ3ME (ITGS SL)	CGU4UE (HL or SL) CHY4UE (HL or SL) TGJ4ME (Film SL)
	Electives from group 4		SBI3UE SCH3UE SPH3UE	SBI4UE (HL or SL) SCH4UE (HL) SPH4UE (HL or SL)
COMPULSORY COURSES		CHV2O (.5 credit) GLC2O (.5 credit)	HZT4UE (TOK)	
ADDITIONAL OPTIONAL COURSE(S)		_____	_____	_____

In the event that you have a course conflict, please identify two alternate course choices: _____ (Alternate #1) _____ (Alternate #2)

- If you have any concerns or questions regarding these choices, please refer to OCDSB Secondary School Courses booklet 2010-2011 for additional information or call the school at 613-745-9411 and request to speak to a Guidance Counsellor.
- Please verify the data on the Student Registration Form and update all changes directly on the form.
- Please note that course choices are binding. Program changes, including level of difficulty, may not be possible in September; therefore, please choose your courses carefully.

OPTION SHEETS DUE TO COLONEL BY SECONDARY SCHOOL FEBRUARY 16, 2010.

Student's Name (please print)

Student's Signature

Parent/Guardian Signature