

PHILEMON WRIGHT HIGH SCHOOL

COURSE SELECTION PACKAGE 2015-2016



STUDENTS ENTERING SECONDARY 5

Included in this package:

- Instructions for completing a course selection form
- Sec. 5 course selection form (complete and return to Day 6, Period 2 teacher by March 18th, 2015)
- Elective course descriptions
- Re-registration form (to be returned to Dianne Miljour in Room 129 by March 18th, 2015)

Please note, should re-registration forms not be returned by the above date, your child will not officially be registered to attend PW next year and a parent/guardian will be required to present themselves at the school in order to re-register

How To Complete Your Course Selection Form

Students Entering Secondary 5 2015-2016

Selecting courses for the next school year is a very important decision, and should be thought about carefully and discussed by both students and parents. In order to begin, fill out your name, date of birth, and whether or not you will be attending Philemon Wright in 2015-16.

Follow the instructions below to properly fill out each of the corresponding sections of your form:

- 1. Compulsory Courses** – Check the box for one (1) program, the General English program or the Enriched French program. In order to choose or remain in the Enriched French program, a student must be maintaining a 70% or higher average in his/her Grade 10 French/Français course. Eligibility for the program will be determined on a case-by-case basis.
- 2. Math Pathway** – Check the box for one (1) pathway, the Cultural, Social & Technical or the Science Math pathway.
 - **If choosing CST Math:** The Cultural Math course allows students to continue at the CEGEP/college level in programs that are not Math/Science related (Social Sciences, the Arts, etc.), and is the minimum requirement for graduation. Students not wishing to study in Math/Science programs or who have struggled with Math previously are recommended to choose the Cultural Math course. ***Students who have completed Grade 10 Cultural Math with a final result below 80% are required to select Cultural Math. Students who have passed Grade 10 Science Math with 70% or higher may choose to take Grade 11 Cultural Math.***
 - **If choosing Science Math:** The Science Math course is a pre-requisite for Math/Science related programming at the CEGEP/college level. Students wishing to continue in post-secondary programs that require advanced Level IV & V Math are recommended to take the Science Math option. ***Students who wish to go into Grade 11 Science Math must have completed Grade 10 Science Math with a final result of 70% or higher***, and speak to their current year's Math teacher about a recommendation before choosing Grade 11 Science. ***Students who wish to go into Grade 10 Science Math in Secondary V must have completed Grade 10 Cultural Math with a final result of 80% or higher.***
- 3. Compulsory Arts Courses** – Place a number from 1 to 3 in the boxes for each of the compulsory Arts courses in order of preference (1 being your most preferred, 3 being your least). It is important to note that in order to obtain a secondary school diploma in Quebec, the student must receive credit for a Secondary IV Arts elective. Please see descriptions attached for further details.
- 4. Elective Courses** – Place numbers from 1 to 5 beside your five top course choices (1 being your most preferred, 5 being your least). Please see descriptions attached for further details. Each Grade 11 student will be scheduled for two (2) elective option courses, provided he/she has successfully completed all graduation requirements in Grade 10. Students will automatically be registered in one or both of the "repeat" options (Sec. 4 History and/or Science) if they did not complete the course. These courses will take the place of one or both of the students' option courses. Please note that in order to be eligible to choose Chemistry and/or Physics as an elective course, the student must have successfully completed the Bridging Science of the Environment pathway in Grade 10.

Once you have completed all four sections of the form, please sign (and have your parent/guardian sign) and return your completed form to your homeroom teacher (Day 6, Period 2) before March 18th, 2015.

If you have any questions about the enclosed form or information, please see Ashley Smith, Academic Counsellor, in Room 123 or contact her by e-mail at asmith@wqsbc.ca.

Compulsory Arts Course Descriptions (Secondary 5)

ART 502 Art 502 builds on the skills used in grade 9 and 10 art. This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will explore a range of subject matter through studio activities and will strengthen their practical skills. Students will experiment with a large variety of art materials, with which the art room at Philemon is well supplied. By the end of this course students will:

- Demonstrate the ability to take creative approaches with materials, tools, processes, and technologies in studio activities;
- Demonstrate the ability to review and evaluate the creative process they use;
- Apply an understanding of the elements and principles of design to personal, historical, and contemporary art works;
- Demonstrate the ability to apply the creative process (i.e., perception, exploration, experimentation, production, and evaluation) in their work;

Complete your last year at Philemon in the art program with spectacular art activities that you will remember for a life time.

Grade 11 user fees are \$20.00.

DRAMA 502 Drama 502 builds on the skills of Secondary 4 drama, through the exploration of voice, movement, character, skits, improvisation and performance. Students will develop an appreciation of and competence in the performing arts.

Grade 11 user fees are \$10.00.

MUSIC 502 Music 502 will focus on three competencies: performing, appreciating and creating music. Using music as a tool of discovery, students will have the opportunity to deepen their understanding of themselves and their potential, assess/discuss/perform musical works, experience community building and team work by playing in an ensemble and expand upon previously attained practical and theoretical musical knowledge. Assessment is ongoing and includes instrument comprehension, group performance, individual performance and musical theory.

Grade 11 user fees are \$20.00.

Elective Course Descriptions (Secondary 5)

ART 504 Must have passed Grade 10 Art. This course focuses on the refinement of students' skills and knowledge in visual arts. Students will expand on their knowledge of the connections between works of art and their historical contexts. By the end of this course students will:

- Differentiate historical artworks by content, theme, style, techniques, and materials;
- Explain how compositions are altered by a change in design principles (i.e., contrast of lines versus contrast of colour);
- Describe the steps of the design process (i.e., specifications, research, experimentation, preliminary sketches, prototypes, revision, presentation, reflection);
- Analyze the formal composition of an example of art work from personal and or historical works studied;
- Develop sketchbooks and or portfolio that documents their personal art process;
- Apply the creative process (i.e., perception, exploration, experimentation, production, and evaluation) in their work;

In this eagerly awaited art project, there is the potential for students to have the opportunity to design and paint murals in the halls of Philemon Wright High School. Leave your mark!

Advanced Grade 11 user fees are \$30.00.

DRAMA 504 Must have passed Drama 404. Students' acting and directing skills will be further advanced through scene studies, skits, improvisation, creative and dance-oriented drama, the making and using of masks, attending plays and participation in major productions. At both levels lunch period and after school rehearsal will be expected.

Grade 11 user fees are \$20.00.

BIOLOGY 534 Students study the properties of living organisms, biochemistry, genetics, evolution and ecology. This course will involve some laboratory work. Biology 534 is a prerequisite for some Ontario College science-related career programs, however it is not required for any CEGEP programs.

Grade 11 user fees are \$10.00.

BUSINESS & CRIMINAL LAW Students will study the provisions of the major laws and regulations governing the rights and obligations of people in business and in civil and criminal matters, learn legal terminology, and explore strategies for asserting one's rights in society and in business matters.

Grade 11 user fees are \$5.00.

CHEMISTRY 504 Must have passed Grade 10 Science & Technology and Science of the Environment (bridging). Chemistry 504 is one of the prerequisites for admission into CEGEP Pre-University Science programs, along with Physics 504 and advanced Math. Chemistry 504 studies gases, energy and rates of chemical reactions along with chemical equilibrium reactions. Relationships among science, technology, society and the environment are stressed.

Grade 11 user fees are \$10.00 .

HISTORY OF THE 20th CENTURY 544 Prerequisite: passing mark in History 404. Students will examine aspects of European, American and Asian societies. Course objectives: a) understand the interrelated events of the 20th Century; b) develop research and writing skills; c) develop a greater sense of the Canadian perspective.

Grade 11 user fees are \$5.00.

HOME ECONOMICS 552 (also offered in French) These courses will focus on the following areas of study: foods & nutrition (Kitchen Safety & Sanitation, Equipment, Knowledge of Nutrition Principles, Cooking Methods), consumerism (Brand Comparison, Food Labeling, Fast Foods, Homemade vs. Convenience), and self-Management (Household Finances, Budgeting, Grocery Shopping, Healthy Habits).

Grade 11 user fees for food and supplies are \$40.00.

JOURNALISM and MEDIA STUDIES 574 (also offered in French)

Students will examine techniques for information gathering, writing, photography and editing relevant to publication. Through understanding the principles of effective communication, students will analyze contemporary issues and organize material for public delivery. This course will include components of media and film studies. Prerequisite (English): passing mark in English 406. Prerequisite (French): passing mark in Français 406 or 85% in French 404

Grade 11 user fees are \$20.00.

LEADERSHIP & PEER TUTORING 544 Pre-requisite: In order to participate in the Leadership and Peer Tutoring elective course, a student must complete an interview with the course teacher and an advisor/administrator, and submit a resume. This course is designed to help students acquire the necessary skills to be leaders in the school community, and an opportunity to see if teaching/mentoring might be a viable option for them. Students enrolled in this course are expected to be actively involved in various school activities and functions. Students will be involved in mentoring and/or tutoring opportunities with Hadley students and the opportunity to assist individual teachers in a classroom or the Resource classes. Students may also be assigned to lunch-time activities and hall monitoring. Spaces in this option will be assigned based on dependability, maturity and academic achievement.

There are no user fees for this course.

MUSIC 504 Must have passed Music 404. This course allows students to deepen their understanding of musical works and performance as both a soloist and as a member of a larger ensemble. Musical works to be explored will be more complex in structure and require a thorough understanding of music theory, personal expression and musicality.

Grade 11 user fees are \$25.00.

PHYSICAL EDUCATION 544 Must have passed Regular Physical Education with 85% or higher overall. These courses include cross-country skiing, weight training, badminton, fitness and camping, advanced training in the traditional individual and team sports, with exposure to leisure-time activities at the Sportheque de Hull.

Optional Outdoor trips may occur at an additional.

PHYSICS 504 Physics 504 is one of the prerequisites for admission into CEGEP Pre-university Science programs, along with Chemistry 504 and Grade 11 Science Math. Physics 504 includes studies of the nature of light, optical devices, basic motion and mechanics, including work and mechanical energy. Students interested in taking Physics must have passed Grade 10 Applied Science and Science of the Environment (SCE 402). **Students are also required to have achieved a 75% or higher in Grade 10 Cultural Math OR successfully completed Grade 10 Science Math.**

Grade 11 user fees are \$10.00 .

SPANISH 504 This course builds on its Grade 10 predecessor, and stresses a conversational approach. Students develop their grammar and vocabulary skills in everyday oral dialogues. Studies will also include Spanish culture and Spanish countries.

Grade 11 user fees are \$10.00.

Math Pathway Course Descriptions (Secondary 5)

Frequently Asked Questions Regarding the Mathematics Courses:

1. Which math option do I need to graduate?

Students require either of the two Secondary 4 math courses to graduate.

2. Can I get into CEGEP with either math options?

Yes, however you must keep in mind that some programs require the Science Math as a prerequisite (ie. Pure & Applied Sciences, Commerce, Computer Science, Engineering, etc.). You are advised to make an appointment with Ms. Smith in Guidance to discuss post-secondary options.

3. Can I switch from one math to another after making my course selection this spring?

Students have until the “drop date” deadline (Friday, September 25th) to change from one math pathway to another. Following that date, students must remain in the course they have selected for the remainder of the year.

4. Is one math option more difficult than another?

While both pathways provide challenges, overall, the concepts studied in Science Math are more complex than those studied in Cultural, Social, & Technical Math; hence, the recommended prerequisite that students demonstrate competency of at least a 80% in Grade 10 Cultural Math in order to select Grade 10 Science Math, and of at least a 70% in Grade 10 Science Math in order to select Grade 11 Science Math.

Grade 11 Math: Cultural, Social, & Technical Mathematics Option

The *Cultural, Social and Technical* option allows students to build on their knowledge of basic mathematics. Specifically, it prepares them for studies in the arts, communications, the humanities and the social sciences.

Students use their competencies and mathematical knowledge in different contexts related to the broad areas of learning. They are encouraged to look at the world from a critical, ethical and aesthetic point of view. They examine the social, economic, artistic, technical or, on occasion, scientific situations that they will encounter in their personal and working lives. For instance:

- health and well-being: living habits, nutrition, how the body works, health care, physical activity and sports
- consumer rights and responsibilities: personal finances, constraints related to production, costs related to consumption, design, advertising
- environmental awareness: planning (organization, plan, structure), resource management, biodiversity, pollution, population growth or decline
- career planning and entrepreneurship: design, planning, organization, market studies
- media literacy: presentation of information, comparison of presentations on the same topic, appreciation or creation of different works of art and media images
- citizenship and community life: social choices (voting procedures), equity and justice, cultural diversity, opinion polls...

Grade 11 Math: Science Mathematics Option

The *Science* option is intended for students who seek to understand the origin of different phenomena and how they work, as well as to explain them and make decisions that pertain to them. Students learn to develop formal proofs in situations where there is always a need to confirm a truth. By focusing on the properties of mathematical objects, this option places greater emphasis on students’ capacity for abstract thinking in that they are required to perform more complex algebraic operations. The emphasis is on finding, developing and analyzing models within the context of experiments mainly related to different scientific fields. Students who choose this option develop strategies and acquire an academic background that specifically enables them to pursue their studies in the hard sciences or to perhaps eventually specialize in research.

The variety of situations that may be studied can focus on such things as:

- contexts involving biology or economics and that can be represented by exponential functions (e.g. cell multiplication, epidemics or the study of different financing rates and terms)
- cyclical occurrences that can be represented by periodic functions (e.g. tides, the seasons, physiological data, mechanisms that generate movement, the changes in a person’s position or a pendulum in motion)
- demographic or biological contexts involving estimates, simulations and statistics (e.g. determining the quantity of fish in a body of water over a given period)
- contexts associated with physics and involving the concepts of slope, distance, speed and vector. For example:
 - analyzing situations involving successive displacements, forces, speeds or velocities
 - determining speed or velocity by analyzing the slope of a graph representing distance as a function of time
 - finding the distance travelled by calculating the area under the curve
 - comparing the slope of a line that intersects a curve with the average speed of a moving object in a given interval

Other mathematical concepts may come into play and pertain to such fields of activity as surveying, topography, geodesy, biology, biometrics, optics, mechanics, electricity, chemistry, meteorology or computer science.

PHILEMON WRIGHT HIGH SCHOOL

STUDENTS ENTERING SECONDARY 5

COURSE SELECTION FORM 2015-2016

- Final placement in all courses will be determined by the school.
- If you wish to withdraw from the Enriched French program, you must do so by March 18th, 2015.
- All option/advanced/enriched French classes offered are subject to sufficient numbers to warrant a class.



STUDENT'S NAME: _____ D.O.B.: _____

(PRINT YOUR NAME)

We, the student and parent, understand that every attempt will be made to schedule the preferred option, however the school cannot guarantee the numbered choices will be honored. **Friday, September 25th, 2015 will be the last day for option request changes. If the first choice is scheduled, no course change will be granted.**

- I WILL BE ATTENDING PHILEMON WRIGHT for the 2015-2016 school year.
- I WILL NOT BE ATTENDING PHILEMON WRIGHT for the 2015-2016 school year. (Reason: _____)

STUDENT SIGNATURE

PARENT/GUARDIAN SIGNATURE

1. COMPULSORY COURSES (choose one)

GENERAL ENGLISH PROGRAM

ENG536 English Language Arts
ETH502 Ethics & Religious Culture
FRB504 French Second Language
CON504 Contemporary World
PED502 Physical Education & Health
IPT502 Integrative Project

ENRICHED FRENCH PROGRAM

[requires 70%+ final result in Grade 10 French course(s)]

ENG536 English Language Arts
ETH502 Ethics & Religious Culture
FRI506 Français Enrichi
CON504 Contemporary World
PED502 Physical Education & Health
IPT502 Integrative Project

2. MATH PATHWAY (choose one)

MCU414 Cultural, Social & Technical Math (Sec. 4)
[students who completed Grade 9 Math in their Secondary 4 year are recommended to select Cultural Math 404]

MSC426 Science Math (Sec. 4)
[students who have completed Grade 10 Cultural Math with a 80% or higher may select Grade 10 Science]

MCU504 Cultural, Social & Technical Math (Sec. 5)
[students who completed MCU404 or MSC406 in their Secondary 4 year may select Cultural Math 504]

MSC506 Science Math (Sec. 5)
[students must have completed Grade 10 Science Math with a 70% or higher]

3. COMPULSORY ARTS COURSES

(Number 1-3 in order of preference)

- ART502** Visual Arts
- DRA502** Drama
- MUS502** Music

4. ELECTIVE COURSES

(number 1-5 in order of preference, Sec. 5 students receive two elective courses)

- ART504** Advanced Visual Arts
- BIO534** Biology
- CHE504** Chemistry ‡
- DRA504** Advanced Drama
- HEC564** Home Economics
- HEF544** Home Economics in French
- HIS544** 20th Century History
- JEF544** Journalism & Media Studies in French
- JEP574** Journalism & Media Studies
- LAW544** Business & Criminal Law
- LEA544** Leadership & Peer Tutoring
- MUS504** Advanced Music
- PEM544** Advanced Physical Education
- PHY504** Physics ‡*
- SPA504** Spanish Language & Culture
- STR406** Science & Technology 406 (repeat)**
- HIR404** History of QC & Canada 404 (repeat)**

‡ Students are required to have successfully completed the General Science/ Bridging Science of the Environment pathway in order to be eligible. *Additionally a 75% or higher in Grade 10 Cultural math or the successful completion of Grade 10 Science Math is required to take this course.

** Students will automatically be registered in one or both of these options if they do not successfully complete these Sec. 4 graduation requirement courses. These courses will take the place of one or both of the student's option courses.

**THIS COMPLETED FORM MUST BE RETURNED TO YOUR HOMEROOM
TEACHER (Day 6, Period 2) NO LATER THAN MARCH 18th, 2015**