



COMMISSION SCOLAIRE SIR-WILFRID-LAURIER
SIR WILFRID LAURIER SCHOOL BOARD



COMMISSION SCOLAIRE SIR WILFRID LAURIER
ÉCOLE SECONDAIRE RÉGIONALE LAURENTIAN
LAURENTIAN REGIONAL HIGH SCHOOL



LAURENTIAN REGIONAL HIGH SCHOOL
**PROGRAM
GUIDE**
Secondary 3-4-5

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LAURENTIAN REGIONAL HIGH SCHOOL
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REGISTRATION PERIOD

New registrations: Please contact the school to make an appointment with our school secretary during the month of February.

Re-registration forms for Sir Wilfrid Laurier elementary students should be completed online during the last week of January.

FORWARD

The Program Guide for Secondary III, IV and V, is specifically designed to provide students with essential information about the compulsory and optional courses offered in our high school. We invite and encourage parents/guardians to review the Program Guide and discuss course selections with their children for the upcoming academic year.

Courses should be chosen to suit students' particular needs, interests, or profiles. If the goal is to continue to study beyond secondary school, care must be taken to select the courses that are prerequisite for admission to the chosen program at CEGEP or other institutions. Placement takes place by administration and teachers at the end of the school year in accordance with our promotion policy. Each school's course selection form will indicate clearly which courses are compulsory and which are elective and will also state the sequence in which courses in the same discipline should be studied. Students are urged to plan, with their Guidance Counsellor, a complete profile of their secondary school program.

Any additional information required may be obtained from our Guidance Department.

Guidance Counsellor

Danielle St-Jacques

450 562-8571, ext. 8422

dstjacques@swlauriersb.qc.ca



GENERAL EDUCATION

- All students are subject to the certification rules of the new certification system.
- Credits accumulated in Secondary I, II and III are not taken into consideration in granting a Secondary School Diploma although courses taken at these levels may serve as prerequisites for higher level courses.
- Each course title is followed by a three-digit number.
 - For example: English Course (ELA406)
 - The first digit indicates the level (Secondary IV)
 - The last digit denotes the number of credits (6).
- Each course passing mark is 60 %.
- Students should take a summer school course if they have failed any of the core courses (English, French or Mathematics) and/or certifiable subjects to fulfil graduation requirements on schedule.
- The school schedule is based on a 9-day cycle with 4 periods of 75 minutes each.



Secondary III to IV

Credit Per Courses			Condition for promotion
Course	Credits	Periods	
English Language Arts English Language Arts – Media	6	6	<ul style="list-style-type: none"> • A minimum of 27 credits must be earned during the current year. • Students must have a minimum overall average of 60 % • The final decision for placement remains with the Principal and school team.
Français Langue Seconde Programme de base ou enrichi	6	6	
Mathematics Regular or enriched program	6	6	
History of Quebec and Canada	4	4	
Science and Technology	6	6	
Physical Education and Health	2	2	
Visual Arts, Dance or Music	2	3	
Elective Subject	4	3	
Total Credits/Periods	36	36	

Please Note:

This promotion policy will be used to determine student placement for next year.
If you have any questions, please contact the school.

Secondary IV to V

ACADEMIC PROMOTION POLICY

Credit Per Courses			Condition for promotion
Course	Credits	Periods	
English Language Arts English Language Arts – Villains	6	6	<ul style="list-style-type: none"> • A minimum of 27 credits must be earned during the current year. • Students must have a minimum overall average of 60 % • The final decision for placement remains with the Principal and school team.
Français Langue Seconde Programme de base	6	6	
Français Langue Seconde Programme enrichi	6	6	
Mathematics: Cultural (+ Study Skills 2 extra credits)	6	6	Graduation Requirements <ul style="list-style-type: none"> • A minimum of 54 credits must be earned over secondary IV and V with 20 credits being earned specifically in secondary V.
Mathematics: Science Option	6	6	
History of Quebec and Canada	4	4	The following courses are also required
Science and Technology	4	4	<ul style="list-style-type: none"> • Secondary IV Mathematics • Secondary IV Science • Secondary IV History • Secondary IV Art, Dance, Music • Secondary V English • Secondary V French • Secondary V Ethics or Phys. Ed.
Physical Education and Health	2	2	
Ethics and Religious Culture	2	2	
Visual Arts, Dance or Music	2	2	
Elective Subject	4	4	
Total Credits/Periods	36-38	36	

Please Note:

This promotion policy will be used to determine student placement for next year. If you have any questions, please contact the school.

Credit Per Courses			Condition for promotion
Course	Credits	Periods	
English Language Arts	6	6	<ul style="list-style-type: none"> A minimum of 27 credits must be earned during the current year. Students must have a minimum overall average of 60 % The final decision for placement remains with the Principal and school team.
English Language Arts Fact and Fiction	8	6	
Français Langue Seconde Programme de base	4	6	
Français Langue Seconde Programme enrichi	6	6	Graduation Requirements <ul style="list-style-type: none"> A minimum of 54 credits must be earned over secondary IV and V with 20 credits being earned specifically in secondary V.
Mathematics: Cultural (+ Study Skills 2 extra credits)	6	6	The following courses are also required
Mathematics: Science Option	6	6	
Contemporary World	2	2	<ul style="list-style-type: none"> Secondary IV Mathematics Secondary IV Science Secondary IV History Secondary IV Art, Dance, Music Secondary V English Secondary V French Secondary V Ethics or Phys. Ed.
Financial Education	2	2	
Physical Education and Health	2	2	
Ethics and Religious Culture	2	2	
Visual Arts, Dance or Music	2	2	
Elective Subject Two options – 4 credits each	8	8	
Total Credits/Periods	36	36	

Please Note:

This promotion policy will be used to determine student placement for next year. If you have any questions, please contact the school.

The Work Oriented Path gives students the opportunity to obtain practical training in the workplace while pursuing general education adapted to their needs. The Pre-Work Training Path is a three-year program that helps students progress at their own pace in a variety of subjects while preparing them to carry out their roles as adults, citizens and workers. Students must be at least 15 years of age as of September 30 and not have met the requirements of the elementary level programs for English and Mathematics.

WORK-ORIENTED TRAINING PROGRAM

Path Pre-Work Training

Year 1 (50 hours)		Year 2 (50 hours)		Year 3 (50 hours)	
General Education (Unapportioned time)					
Compulsory Subjects	Hours	Compulsory Subjects	Hours	Compulsory Subjects	Hours
English, Language Arts - 630130	150	English, Language Arts - 630230	100	English, Language Arts - 630234	50
French as a Second Language - 635130	50	French as a Second Language - 635234	50	French as a Second Language - 635234	25
Mathematics - 567130	150	Mathematics - 567230	100	Mathematics - 567234	50
Technological and Scientific Experimentation 559134	100				
Geography, History and Citizenship Education 593130	50	Geography, History and Citizenship Education 593230	50	Geography, History and Citizenship Education 593234	50
Physical Education and Health - 545130	50	Physical Education and Health - 545234	50	Physical Education and Health - 543302	25
Autonomy and Social Participation - 603130	100	Autonomy and Social Participation - 603230	100	Autonomy and Social Participation - 603234	50
Practical Training					
Compulsory Subjects	Hours	Compulsory Subjects	Hours	Compulsory Subjects	Hours
Preparation for the job market - 609130	50	Preparation for the job market - 609230	100	Preparation for the job market - 609233	50
Introduction to the World of Work - 609134	150	Work skills - 608230	300	Work skills - 608234	300
Legend: Compulsory Subjects: Course name and Subjects Hours: Prescribed time – Total number of hours					

Leading to a Semi-Skilled Trade

Students enrolled in this program can, subject to certain conditions, continue their studies in Vocational Training or in one of the two General Education Paths. Training for a semi-skilled trade is a one-year program in which students will complete the requirements of Secondary Cycle One programs in English, French and Mathematics. The work stage component will include 375 hours in the workplace. Students receive a Training certificate for a semi-skilled trade upon completion.

Students must be at least 15 years of age as of September 30 and must not have earned Secondary Cycle One credits in English and Mathematics.

General Education	
Compulsory Subjects	Hours
French as a Second Language - 634106	200
English Language Arts - 632106	100
Mathematics - 563126	150
Practical Training	
Compulsory Subjects	Hours
Preparation for the Job Market - 699233	75
Preparation for a Semi-Skilled Trade - 696204	375
Legend: Compulsory Subjects: Course name and Subjects Hours: Prescribed time – Total number of hours	

Secondary 3 – Regular

ELA306 – 632306

The objective of this program is to help students effectively use language in formulating their ideas, and to participate in the communication process.

At Secondary III, the program continues to develop the student's skills in the three competencies:

- Uses language to communicate and to learn.
- Reads and listens to texts; and
- Produces spoken, written and media texts.

To achieve these aims, students read or view novels, plays, short stories, poems, articles, films, and documentaries; talk in group and class discussions; write or create texts that may include short stories, journals, plays, essays, letters, responses, and multi-media texts.

Secondary 3 - Media Studies

ELA3U6 – 632306

The objective of the course is to blend media with all the requirements of the Secondary III Language Arts program. This means that the students will still complete all reading, writing and oral assignments needed to receive their Language Arts credit, while putting a media spin to the objectives taught. An example is to have students actually create a newspaper or magazine when they learn the three articles introduced at this level. Another example could be for them to create a new ad campaign for a well-known product such as Tim Horton's when they learn they learn about persuasive texts.

This course is available to any Secondary III student that has an interest in a variety of media formats and wishes to explore real world applications for the lessons being covered. There are a limited number of spaces available as there is only one group offered per year.

Secondary 4 - Regular

ELA406 – 632406

The objective of this program is to continue the development of the student's use and appreciation of language and to develop and improve the competencies:

- Uses language to communicate and to learn.
- Reads and listens to texts; and
- Produces spoken, written and media texts.

Secondary 4 - Monsters-Villains

ELA4M6 – 632406

English Language Arts – Villains/Monsters (ELA406–632406) The word monster allows for multiple interpretations and this course will delve into the many possibilities through classic and contemporary short stories and novels. The possibilities are endless for great source material as anything from classic novels to commercials has been delighting audiences for generations with monsters, insanity and the supernatural. Uncanny settings, eerie sounds and unexpected endings often make for the most memorable texts and inspiration for great writing, all of which is easily blended into an English course. The secondary four course is designed to develop students' skills through the five strands of communication: speaking, listening, viewing, reading, and writing. In keeping with these requirements and the level's expectations, we will explore the theme of monsters and villains, found both in fiction and fact, as "there be monsters everywhere" and they make for great topics to explore.

Secondary 5 - Regular

ELA536 – 612536

The objective of this program is to continue to encourage the student's realization and appreciation of the value of language in formulating ideas, and in effective communication. In addition, emphasis is placed on preparation for the final English MEQ exam.

The program continues to improve the student's competencies:

- Uses language to communicate and to learn.
- Reads and listens to texts; and
- Produces spoken, written and media texts.

Secondary 5 – Fact and Fiction

ELA5E6 – 612536 + 586552

Fact and Fiction aims to introduce students to the conflicts and literature of the 20th Century and to explore how both have shaped the world of today. This is an enriched upper-level course that replaces regular Secondary V English for those students who qualify. The regular six periods of English are split into four English and two World History classes. Students in Fact and Fiction work to improve the competencies required in regular Secondary Five ELA and are required to write their MEQ Secondary V English exam at the end of the year.

In the program, the 20th Century will be viewed from the historical perspective in terms of factual events, as well as from the fictional literature those same events fostered. Students in this course will be called upon to complete a variety of tasks including crafting and presenting the annual Remembrance Day Ceremony, interviewing veterans of Canada's wars, documenting research trips to the Canadian War Museum, the Canadian National Archives, the National Aviation Museum and the Diefenbunker.

This course aims to prepare students for the demands of CEGEP and first year university. To qualify for this course, students must check this course off on their option sheet and fill out an application. Application forms can be picked up from Ms. Robin Vero in the English department.

Secondary 3 - Regular

FSL306 – 634306

This is a compulsory course for students who have succeeded in French, Second Language 206.

Class activities will allow students to pursue the three areas of competencies as described by the Ministère de l'Éducation du Québec (MEQ). (Interact orally in French, Read and understand a variety of texts, Produce a variety of written texts).

Five different themes allow for the study of different elements of grammar, reading comprehension, written expression and oral production. Evaluation will be held on all three competencies through a regular reporting session. A summative evaluation will take place at the end of the year.

Secondary 3 - Enriched

FSL3E6 – 635306

This course is offered to Secondary III students who have successfully completed the level two enriched program and who have maintained a high standard of achievement.

Class activities will allow students to pursue the three areas of competencies as described by the Ministère de l'Éducation du Québec (MEQ). (Interact orally in French, Read and understand a variety of texts, Produce a variety of written texts).

Reading plays an important role in the program and will be reinforced through a variety of novels, articles and texts.

Five different themes allow for the study of different elements of grammar, reading comprehension, written expression and oral production. Evaluation will be held on all three competencies through regular reporting session. A summative evaluation will take place at the end of the year and will influence the placement of the student for the following year.

Secondary 4 - Regular

FSL404 – 634404

This course is compulsory for students who have successfully completed French, Second Language 306.

Class activities will allow students to pursue the three areas of competencies as described by the Ministère de l'Éducation du Québec (MEQ). (Interact orally in French, Read and understand a variety of texts, Produce a variety of written texts).

The objectives are to improve the student's oral and written expression and comprehension through a variety of activities, related to five different themes. Regular reading is an important component of this course (a minimum of 2 novels)

Secondary 4 - Enriched

FSL4E6 – 635406

This course is designed for students who have demonstrated superior ability in French. The program is limited to students who have been recommended by their grade nine teacher. Final acceptance of the student into the program remains at the discretion of the Laurentian Regional High School French Department.

Class activities will allow students to pursue the three areas of competencies as described by the Ministère de l'Éducation du Québec (MEQ). (Interact orally in French, Read and understand a variety of texts, Produce a variety of written texts).

The objectives of this course are to improve students reading and writing skills while developing their knowledge of French culture and values through literature, magazines, current events and entertainers. Regular reading is expected; grammar components and structures are reviewed and practiced in oral and written productions.

Secondary 5 - Regular

FSL504 – 634504

This course is compulsory for students who have successfully completed French 404. The objectives of this course are to build and improve oral and written skills and comprehension through a variety of situations and topics which relate to the Senior High School students' particular interests.

Class activities will allow students to pursue the three areas of competencies as described by the Ministère de l'Éducation du Québec (MEQ). (Interact orally in French, read and understand a variety of texts, produce a variety of written texts). The final evaluation of the year is based on the three terms (50%) and the final exams (50%).

Secondary 5 - Enriched

FSL5E6 – 635506

This course is designed for students who have already completed the French, Second Language – Enriched 406 course. It is a course which focuses on Literature from Québec. Students will review all the grammar components covered over the previous years. The final evaluation of the year is based on the three terms (50%) and the final exams (50%).

Mathematics Department Promotional Guidelines

- A student must have an overall average of 60% or more to be promoted from one level to the next in Regular Math.
- Promotion from Regular Math to Enriched Math will be done if and only if there is a recommendation from the Math Department. This recommendation will be made based primarily on the work ethic and motivation of the student and secondly on the students' results.
- Students in Enriched Math must maintain a strong average and a consistent work ethic.
- Students who do not wish to stay in Enriched Math or whose results are less than specified (but more than 60%) will be promoted to regular Math in June.
- Students in regular Math in Secondary III will be enrolled in Cultural Secondary IV Math.
- Students in regular Math in Secondary III require a final average of 85% to be able to register in Scientific Math in secondary IV.
- Students in Enriched Math in Secondary III have the choice between Cultural Math, and Scientific Math in Secondary IV.
- Students with an overall average of 60% or more in Cultural Secondary IV Math will be promoted to Cultural Secondary V Math.
- Scientific Math secondary IV is a pre-requisite to scientific Math secondary V.
- Cultural Math or Scientific Math is a pre-requisite class for graduation.

Secondary 3 - Regular

MAT306 – 563326

Geometric figures	<ul style="list-style-type: none"> • Transformational geometry and isometry. • Three dimensional figures: <ul style="list-style-type: none"> ~ Spatial relationships ~ Volume ~ Surface area ~ Problem-solving
Algebra	<ul style="list-style-type: none"> • First degree equations • Table of values • Graphs • Integers • Mathematizing • Word problems • Direct and partial variation • Exponents • Operations with polynomials • Pythagorean theorem • Square root • Irrational numbers • Problem-solving
Statistics	<ul style="list-style-type: none"> • Tabulation of data • Histograms • Mean median mode • Range of distribution • Problem-solving

Secondary 3 - Enriched

MAT3E6 – 563326

This is an enriched program in which students cover the regular Mathematics 306 program and additional topics. All topics are substantially enriched, with particular emphasis on Algebra (includes Factoring, Absolute Value, Quadratics, Fractional Equations and more). Students must expect a greater workload and must be able to complete projects or assignments outside of class independently.

Secondary 4 - Cultural

MAT4C4-563414

<p>Arithmetic and Algebra</p>	<ul style="list-style-type: none"> • First inequality in two variables • Real function: polynomial of degree less than 3 • Exponential • Periodic • Step • Piecewise • System of first-degree equations in two variables
<p>Statistics and Probability</p>	<ul style="list-style-type: none"> • Measure of position ~ Percentile • Measure of dispersion ~ Mean deviation • Linear correlation ~ Correlation coefficient ~ Regression line
<p>Geometry and Graphs</p>	<ul style="list-style-type: none"> • Distance • Slope • Point of division • Straight line and half-plane ~ Parallel line ~ Perpendicular lines ~ Relationships in triangles ~ Sine ~ Cosine ~ Tangent ~ Sine law ~ Hero's formula

Secondary 4 - Scientific MAT4S6 – 565426

This course is a prerequisite for many health, science, finance and computer-based studies in CEGEP.

Algebraic Expressions	<ul style="list-style-type: none"> • Polynomials • Identities • Polynomial division • Factoring • Rational expressions • Second degree equations • Inequalities
Functions	<ul style="list-style-type: none"> • Properties • Parameters • Polynomial functions • Constant functions • Linear functions • Quadratic functions <ul style="list-style-type: none"> ~ Standard, General and Factored forms • Step function
Analytic Geometry	<ul style="list-style-type: none"> • Distance between two points • Mid-point • Straight lines <ul style="list-style-type: none"> ~ Slope ~ Intercept ~ Standard form ~ General form ~ Symmetric form ~ Equations • Distance from point to line • Regions
Systems of Equations	<ul style="list-style-type: none"> • Systems of first-degree equations • Systems with one linear • Systems with one quadratic
Triangles	<ul style="list-style-type: none"> • Angles • Congruent • Similar triangles • Right triangles • Metric and trigonometric relations in triangles <ul style="list-style-type: none"> ~ Sine, Cosine and Tangent ~ Sine and cosine laws
Equivalent figures	<ul style="list-style-type: none"> • Area and volume of solids • Equivalent plane figures • Equivalent solids • Comparing polygons • Comparing solids
Statistics	<ul style="list-style-type: none"> • Linear correlation <ul style="list-style-type: none"> ~ Correlation coefficient ~ Regression line

Students must expect a greater workload and must be able to complete projects or assignments outside of class independently.

Secondary 5 - Cultural MAT5C4 – 563504

Optimization	<ul style="list-style-type: none"> • First-degree equalities in two variables • First degree inequalities in two variables • System of first-degree inequalities in two variables • System of first-degree equalities in two variables • Polygon of constraints • Function to be optimized (objective function) • Optimization
Graph Theory	<ul style="list-style-type: none"> • Graphs • Chains • Various Graphs • Optimization Problems
Financial Math	<ul style="list-style-type: none"> • Calculating interest and depreciation • Simple and compound interests • logs
Equivalent figures	<ul style="list-style-type: none"> • Area and volume of solids • Equivalent Plane Figures • Equivalent Solids • Comparing Polygons • Comparing Solids • Cosine law
Probabilities	<ul style="list-style-type: none"> • Events • Outcomes • Conditional Probability • Expected values/fair game and odds

Secondary 5 - Scientific MAT5S6-565506

This course is a prerequisite for many health, science, finance and computer-based studies in CEGEP.

<p>Arithmetic and algebraic expressions</p>	<ul style="list-style-type: none"> • Real numbers: <ul style="list-style-type: none"> ~ Absolute value ~ Radicals ~ Exponents ~ Square root ~ Factoring
<p>Relations Functions Polynomial functions Real functions and inverse</p>	<ul style="list-style-type: none"> • Real functions: <ul style="list-style-type: none"> ~ Second-degree polynomial (general form) ~ Step ~ Absolute value ~ Square root ~ Rational ~ Piecewise • Parameters • Operations on functions
<p>Optimization</p>	<ul style="list-style-type: none"> • System of first-degree inequalities in two variables • System of equations and inequalities involving various functional models • Polygon of Constraints • Optimal Solution
<p>Exponential and Logarithmic Functions</p>	
<p>Trigonometry</p>	<ul style="list-style-type: none"> • Metric relations in circles and trigonometric relations in triangles: sine and cosine laws • Standard unit circle (Radian, arc length) • Trigonometric Identities • Inverse
<p>Conic Sections</p>	<ul style="list-style-type: none"> • Geometric locus <ul style="list-style-type: none"> ~ Circle ~ Ellipse ~ Hyperbola ~ Parabola

Students must expect a greater workload and must be able to complete projects or assignments outside of class independently.

Secondary 3 - Science and Technology

SCT306-555306

Science and technology courses offered in Secondary III. The emphasis is on Earth and Space, Human Biology, Evolution of Life, Properties of Matter, and Technology. This course is a more traditional program consisting of an emphasis on classroom and laboratory work.

Secondary 4 - Science and Technology

SCT444-555444

The emphasis is on Introductory Chemistry, Ecology and the Environment, Properties of Matter, and Technology. This course is a more traditional program consisting of an emphasis on classroom and laboratory work. This class is a pre-requisite for graduation.

Secondary 3 - History of Quebec and Canada

HQC304 – 585304

Course Objectives:

The secondary 3 History and Citizenship Education Course provides an in depth study of the history of Quebec and Canada from its origins to 1840.

The course is divided into four sections:

1. Origins to 1608
2. The Evolution of Colonial Society under French Rule (1608-1760)
3. The Conquest and Change of Empire (1760-1791)
4. The demands and struggles of Nationhood (1791-1840)

Through lectures, note taking, project work, tests and essays the students will develop the following competencies:

- The ability to characterize a period in the history of Quebec and Canada.
- The ability to interpret a social phenomenon.

Secondary 4 - History of Quebec and Canada

HQC404 – 585404

Course Objectives: This class is a pre-requisite for graduation.

The secondary 4 History and Citizenship Education Course provides an in-depth study of Quebec and Canada from 1840 to the present.

The course is divided into four sections:

1. 1840 – 1896 The formation of the Canadian federal system.
2. 1896 – 1945 Nationalisms and the autonomy of Canada.
3. 1945 – 1980 The modernization of Quebec and the Quiet Revolution.
4. 1980 – Now - Societal choices in Contemporary Quebec

Through lectures, note taking, project work, tests and essays the students will develop the following competencies:

- The ability to characterize a period in the history of Quebec and Canada.
- The ability to interpret a social phenomenon.

Secondary 5 - Contemporary World

CW0502-592502

The Contemporary World program aims to:

- Help students grasp the complexity of the world today and to be open to the diversity of the societies that make it up.
- Help students develop their critical faculties by studying the problems and issues of the contemporary world.
- Prepare students to participate as responsible citizens in social debates.

In this program, students consolidate previous learning regarding a research process and continue to develop concepts that foster critical judgment. The students will examine regional, national, and global concepts using various aspects of Social Studies in History, Geography, Politics and Economics as well as the influence of media both on their vision of the world and on societies.

Secondary 5 - Financial Education

FIN522 – 602522

Financial Literacy is a new 2-credit course that focuses on what Secondary V students need to manage their personal finances. It will examine situations with which they are already familiar or that they may encounter in the near future. The following three financial issues are examined in the program: Consuming goods and services, Entering the workforce and Pursuing an education. Each of these issues involves different options whose analysis requires students to exercise critical judgment, use their ability to make choices and estimate the opportunity cost, and take applicable legislation into account. The program focuses on the development of one competency: – Takes a position on a financial issue.

ETHICS & RELIGIOUS CULTURE

Secondary 4 and 5

ERC402 – 569402 or ERC502 – 569502

The ethics and religious culture program combine components of ethics and religion, but also explains the secular representations of the world of humanity. The ethics curriculum is based on different focuses, particularly the following:

- Reflection on values and social prescriptions
- Appreciation of different views of the world and of humans
- The ability to take a reflective position on moral or ethical issues

By the end of their secondary studies, students will be able to judge the values and standards (obligations, rights, etc.) that orient human actions, make choices based on the common good, and get involved and work with others autonomously and responsibly within a pluralistic and democratic society.

PHYSICAL EDUCATION & HEALTH

Secondary 3, 4 and 5

PEH302 – 543302, PEH402 – 543402 and PEH502-543502

Students will be expected to participate in a variety of physical education activities which will help them to develop skills in order to function in a personal and social context for the rest of their lives.

The course will focus on several lifetime sports, be they team or individual, but not limited to:

- Soccer
- Flag football
- Basketball
- Volleyball
- Badminton
- Softball
- Swimming

Students will be evaluated on their participation, effort attitude and athletic ability. Everyone is expected to have a change of clothes for physical education class for ease of participation and reasons of hygiene. Proper gym attire is mandatory: shorts, sweatpants or track pants, t-shirt and running shoes. During swimming classes: an appropriate bathing suit, towel and bathing cap (required).

Secondary 3, 4 and 5 - Visual Arts

ART302-668302, ART402-688402 and ART502-668502

The overall objective is to enable students to have aesthetic experiences through the "making" and "seeing" of images. The program evolves through four modules:

This class is a pre-requisite for graduation in secondary 4.

Theme	Students find personal ways to express themselves through perceiving, comparing, describing and representation.
Visual Language	Students develop a conceptual knowledge of the visual vocabulary they are called upon to use and look for in images.
Gesture and Technique	Students have become familiar with certain tools, media, and processes.
Art and Society	To enrich their understanding of themselves and their world, students are introduced to some aspects of the world, cultures, and daily life through their creative eyes.
Evaluation	Students are expected to complete all the assigned projects. If more time is needed, the art class is open during lunchtime. Sketchbook work can be done in class or at home. During the year, students will be evaluated using a variety of projects. These projects will enable students to demonstrate their competency in creating images as well as being able to appreciate works of art, in accordance with the requirements of the Quebec Education Program.

Secondary 3 - Dance

DAN302-672302

The Secondary III Dance program encourages students to explore the dance of various peoples around the world in a meaningful way and enables students to express themselves through a nonverbal means of communication while increasing their dancing abilities. The students will work as a whole on class choreography, and also in smaller groups to produce choreographies that reflect a specific genre previously introduced in class. Open to all the students.

Note: All students and their parents must sign the Dance Class Expectations form.

Secondary 4 and 5 – Dance

DAN402-672402 and DAN502-672502

The senior levels of the Dance program will focus on developing techniques and the students own personal styles, and more emphasis will be placed on choreographic work, both in groups and individually. Students at this level will be expected to perform class and/or their own personal work in a public performance. It is to be noted that Dance at the secondary 4 level is a pre-requisite for graduation.

Note: All students and their parents must sign the Dance Class Expectations form.

Secondary 3 - Music

MUS302-669302

This course offers students an opportunity to study and perform music from the idiom of rock and roll. It is designed to prepare students for the Music courses in levels 4 and 5.

No prior playing experience is necessary. If you have already begun to play, or are interested in learning to play guitar, bass, drums, percussion, keyboards, or be a vocalist, this course will interest you.

There is no pre-requisite or audition for this course. The student simply must be interested in learning to sing, play an instrument, and play music of their choosing.

Objective: While working with the teacher, students will learn the basic skills required to become proficient on their chosen instrument. The student will explore various playing techniques while learning to play repertoire that is best suited for their playing abilities. The goal is to prepare students for the level 4 Music course.

Evaluation: The majority of the students' mark will be based on learning their chosen instrument. Students will be required to attain specific competencies.

Secondary 4 and 5 – Music

MUS402-669402 and MUS502-669502

This course offers students an opportunity to study and perform music from the idiom of rock and roll. It is designed to be a continuation of the Sec. 3 Music program. Because this course is offered 2 days on 9, it is strongly recommended that students have some prior playing or singing experience. It is to be noted that Music at the secondary 4 level is a pre-requisite for graduation.

Objective: While working closely with the teacher, the students will improve their skills in their respective instruments or their vocal abilities. The student will explore various playing techniques while learning to play a repertoire that is best suited for their playing abilities.

Evaluation: There are playing tests at the end of each term. A minimum of two songs must be presented and the teacher will evaluate the performance, knowledge of the song (chords, lyrics etc.), as well as the student's progress.

ELECTIVE SUBJECTS

Secondary 3 - Psychology

There are several reasons for offering a Psychology option course at Laurentian Regional High School. First and foremost, a course where students can acquire knowledge in the fields of emotion, cognition, development and mental health will serve to promote student wellness at a crucial time in adolescence. According to the ABAV plan of LRHS, which is one of the outcomes of Our School Survey, one of the actions to develop is to have initiatives that help promote student emotional wellness. In addition to promoting overall welling among students, the course will also serve to prepare students for better studying habits, career development and overall life-long learning. This course is aimed at students in the general education path in secondary III . This grade level is ideal for this course because there are only a few option courses available for secondary III students to begin with and there are no Ethics courses taught at that level, which is often a course that is used to address some of the topics in psychology.

Activities & Evaluation

Students will learn and be assessed in the form of research, labs, guest speaker presentations, discussions, projects and tests. Evaluation rubrics will be used for evaluation purposes and will be based on the National Standards for High School Psychology Curricula. More information about the course content, lesson plans and activities can be found on the following website:

<https://www.apa.org/ed/precollege/topss/resource-manual>

Secondary 4 and 5 - Cinema

CIN484-670484 and CIN584 - 670584

This course is offered to students in Secondary IV and V. Students will receive 4 credits at the appropriate level upon successful completion of the course.

Students will be offered a comprehensive social history of the movies. We will examine the content and the form of the films, the techniques of expression, the modes of transaction with the audience and the ways in which these carry social implications. We will deal with the act of film and how it connects with social, cultural and political issues in society.

We will begin at the turn of the 20th century and cover a wide variety of movies from Hollywood and from around the world. We will look at different genres of film (new wave cinema, indie films heroes in film, propaganda in film) study film critique and analysis, film design, music scores, film trends, directors, actors and public responses.

Evaluation: Through written reviews, lectures, class discussions, presentations, projects, potential field trips and short essays the students will become better writers, develop analytical skills and critical thinking useful in all areas of study. This course is suited to students who love cinema but who also want to understand how and why cinema affects us as strongly as it does, influencing us individually and as a society.

Secondary 4 and 5 - Media

MED444-612444 and MED514-612514

This course is offered to students in Secondary IV and V. Students will receive 4 credits at the appropriate level upon successful completion of the course. This course is a survey of both electronic and print media. The history and evolution of television, radio, film, newspapers and periodicals will be examined. Students will be asked to think and write critically about issues such as audience, technology, point of view and accountability. The course will also examine basic techniques such as newspaper writing and layout, advertising design, audio taping and videotaping. The teaching approach will combine lectures and independent project work. Active student participation and collaboration is encouraged.

Music and Composition

MUSOP4 669494 and MUSOP5 669594

Music Composition and Recording Arts (669494-669594) This course is designed to allow students the opportunity to develop their compositional skills, advance their playing techniques and musicianship, as well as explore the basics of sound recording. The course is intended for students with some musical proficiency as well as any student interested in developing their hip-hop/rap styles. This is not a music performance course. The end result will be for each student to have a portfolio of original, recorded compositions.

ELECTIVE SUBJECTS

Secondary 3 - Introduction to Robotics

ROB354 - 562354

This course is an introduction to coding and robotics that is taught through a series of projects and is very “hands on”. This is a challenging course that requires:

- Significant work, patience and a positive attitude to learning.
- Strong ability to learn independently
- Good manual skills
- Enjoy working in a team
- Strong interest in science and engineering.

In the first half of the course, students will use the SCRATCH block programming platform to create and code an animated short and an original video game. Acquired coding skills are then used to program a SPHERO robot and to fly a DRONE.

In the second half of the course, students will learn the basics of electrical circuits and electronics. They will code the BBC MICRO:BIT and use it to control a robotic arm, and a robotic car that they have designed and built in a small team.

Secondary 5 - Chemistry

CHE504 – 551504

An optional course for students in Secondary V. This course is a requirement for students who wish to take Science courses in CEGEP. This course has strict pre-requisites:

- Students must have attained at least 75% in Environmental Science and Technology (EST404)
- Students must be enrolled in secondary IV or secondary V Technical or Scientific Math.

Environmental Science and Technology

EST404 – 558404

An optional course for students in Science who are interested in taking the advanced Science options in Secondary V. This course is a prerequisite for Physics and Chemistry. This course is only available to students who have attained at least 75% in Secondary III Science, and students must be enrolled in Secondary IV Scientific Math.

Secondary 5 - Physics

PHY504 – 553504

An optional course for students in Secondary V. This course is a requirement for students who wish to take Science courses in CEGEP.

This course has strict pre-requisites: Students must have attained at least 75% in Environmental Science and Technology (EST 404). In addition, students must be enrolled in Secondary V Technical or Scientific Math.

Secondary 5 - Biology

Bio544

Biology 544 is a general biology course designed for Secondary V students who have successfully completed Secondary IV General Science with a minimum of 75%. It is broken down into 5 units: The Organization of Life, Community Ecology of Plants and Animals, Cell Division and Genetic Inheritance, Evolution and Species Diversity, and Environmental Issues. Work for this course will consist of reading and notes, independent and group research projects and presentations, and labs and investigations. Evaluation will be based on lab and other reports, quizzes, and tests. A final summative exam will be given during the exam period in June.

ELECTIVE SUBJECTS

Home Economics - Strategies for Independent Living

HEC564 – 620564

This is an optional course offered to students of Secondary V. Four Secondary V credits are awarded upon successful completion of the course. The course has 2 modules.

Foods and Nutrition explores a variety of food choices based on the management of our basic resources of time, cost, nutritional value, skills etc. In small groups, students share many cooking experiences with user-friendly recipes that promote a healthy lifestyle.

Independent Living allows students the opportunity to investigate and rehearse specific strategies that effectively ease the transition from parental home to living on one's own at the post-secondary level. Topics include choosing a roommate, setting priorities, tenants' obligations and rights, budgeting and personal finance, increasing communication and decision-making skills, personal and home safety, consumer savvy etc.

As well, some topics for the Independent Living course have been based upon "The Seven Habits of Highly Successful Teens". This book explains the skills and choices made by successful individuals which have been summarized and then adapted by Sean Covey.

The theme that binds these modules emphasizes learning and practicing specific strategies or behaviors for becoming a better all-around person and elevating individual skills. These are tools that can engineer and guide our lives on the road to success and happiness.

Life Skills Education

LIF314 – 615344

Life skills education teaches students about nutrition, wellness, and adopting a healthy lifestyle by making healthy food choices.

Students will learn about nutrients and what is needed to create a balanced diet by looking at the four food groups and Canada Food Guide recommendations.

The course also focuses on basic kitchen skills, like reading and following a recipe, planning a menu, and using a variety of kitchen tools and equipment. Grocery shopping techniques are learned as well, with an emphasis on choosing the right fresh foods, price comparisons and learning to read a label. Students will get practical, hands on experience in the kitchen with some basic baking recipes as well as preparing a complete meal.

ELECTIVE SUBJECTS

Secondary 3, 4 and 5 - Physical Education Option

PED344 – 546344, PED444 – 546444 and PED544 – 546544

The Physical Education department is offering an option course to complement the existing Physical Education curriculum. This option is offered to students in Secondary III, IV and V. Students will receive credits at the appropriate level upon successful completion of the course. The focus of the course will be on creating awareness of our own personal fitness and health, improving skills in individual and team sports and creating a positive overall athletic experience, with an emphasis on teamwork and good sportsmanship.

Sport Activities - Hockey

This option is open to all Secondary III, IV and V students. Our goal is to provide students with the opportunity to play hockey within their daily schedule. Required equipment will be necessary to participate in this option. Previous experience is recommended, but not required. There will also be a cost attached. Please call the school for further information.

Secondary 3, 4 and 5 - Hockey

HOC344- 549344, HOC444 – 549444 and HOC544 - 549544

- 30 two-hour sessions on the ice learning individual skills and team skills.
- Dry land training, ball hockey and a variety of Physical Education activities in the spring.
- 2 to 4 classroom and game tape sessions going over previous games and strategies of ice hockey, marrying plays and trying them out and learning why coaches make certain decisions.
- Some players will be selected to participate in games and tournaments outside the regular curriculum.

Secondary 3 - Introduction to Woodworking

WWK344 –693344

Students will be learning to use a variety of hand tools, and simple power machines to build various projects using wood, starting with simple ones, such as a spaghetti measure, and progressing to more complicated ones, such as a corner shelf.

Secondary 4 - Intermediate Woodworking

WWK444 – 693444

This course is offered to students in Sec. IV, and carries 4 Sec. IV credits. Using hand tools and power tools and a variety of machines in the wood shop, students will learn wood joining, gluing, mitring, and fitting to make complicated projects, starting with beach chairs, and progressing on to make potato bins and book cases.

Secondary 5 - Advanced Woodworking

WWK544-693554

This course is offered to students in Sec. V, and carries 4 Sec. V credits. To start the course there will be a review of the machinery and hand tools and then students will work on complex woodworking projects using a variety of wood joining methods and fitting methods to build such objects such as book cases, armoires, and a variety of furniture.

Secondary 5 - Technical Explorations – Welding

TEX554 – 699554

This is an optional course for Sec. IV and V students with no prerequisites, and students are awarded 4 Sec. V credits upon successful completion of the course.

This course introduces students to welding safety, oxyacetylene welding and cutting, MIG welding along with mechanical math and plan design. Possible projects are traction aids and trailer.

ELECTIVE SUBJECTS

Mechanical Construction and Motor Vehicle Maintenance

MECMVM - 617402 + 617462

Mechanical Construction

This is an optional course taken at the Secondary IV and V level. No previous knowledge of mechanical construction is required.

This course is designed to provide the student with knowledge, skills and attitudes that will enable her/him to safely practice hands-on techniques in metal working and wood construction. Students will also learn how to use basic drafting instruments for orthographic drawings & architectural floor plans.

Motor Vehicle Maintenance

This is an optional course taken at the Secondary IV and V level. No previous knowledge of automotive is required.

The course introduces students to the principles of the internal combustion engine and the automobile, including the cooling and lubricating systems, with emphasis on the practical work involved in Automotive Servicing.

Secondary 5 - Motor Vehicle Maintenance

AUTICE - 617564

This is an optional course taken at the Secondary V level.

This course continues with more detail on servicing automotive systems, including brakes, suspension, exhaust systems, etc.

Internal Combustion Engines

This is an optional course taken at the Secondary V level. Motor Vehicle Maintenance is a prerequisite to this course.

This course continues with more detail on the principles of the internal combustion engine, including the cooling and lubricating system, with emphasis on the practical work involved in Automotive Servicing.

Secondary 3 - Technical Explorations - Small Engine Repair

TEX344 – 699344

This is an optional course taken at the Secondary III level. No previous knowledge of small engines is required.

The main goals of this course are to provide the student with knowledge, skills and attitudes that will enable her/him to safely practice hands on techniques in repairing small single cylinder motors such as: lawn mowers, snow blowers, etc.