



**WATERLOO-OXFORD
DISTRICT SECONDARY SCHOOL**

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**Grade 9 Course Flyer
2019-2020**

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Grade 9

Course Descriptions

2019 – 2020

GRADE 9 COMPULSORY COURSES

Subject	Academic	Applied	Essential
English	ENG1DI	ENG1PI	ENG1LI
Math	MPM1DI	MFM1PI	MAT1LI
Science	SNC1DI	SNC1PI	SNC1LI
Geography	CGC1DI	CGC1PI	CGC1PB
French	FSF1DI FSF1DX*	FSF1PI	*****

ENG1DI

English, Academic

This course focuses on providing students with a broad introduction to a variety of genres, style, and forms of writing, reading, and media texts. This course will introduce students to character/thematic analysis as well as formal, academic paragraph writing. Units of study include narratives, poetry, Shakespearean drama, and non-fiction/media.

ENG1PI

English, Applied

This course focuses on providing students with a broad introduction to a variety of genres, style, and forms of writing, reading, and media texts. This course will focus on writing in clear, correct sentences and paragraphs. Units of study include narratives, poetry, drama, and non-fiction/media.

ENG1LI

English, Essential

This course is intended to prepare students for reading and writing success in their daily lives, in the workplace, and in other Grade 9 and 10 courses. The course focuses on improving students' reading comprehension and the basic expression of their thoughts in writing. Units of study include both fiction (short stories) and non-fiction reading, including writing activities, and vocabulary studies. An emphasis is placed on reading strategies.

MPM1DI

Math, Academic

This course enables students to develop generalizations of mathematical ideas through exploration of applications, the effective use of technology and abstract reasoning. Students will investigate relationships to develop equations of straight lines in analytic geometry, explore relationships between volume and surface area of objects in measurement and apply extended algebraic skills in problem solving. Students will engage in abstract extensions of core learning that will deepen their mathematical knowledge and enrich their understanding.

MFM1PI

Math, Applied

This course enables students to develop mathematical ideas and abstract reasoning through explorations of applications, the effective use of technology and extended experiences with hands on activities. Students will investigate relationships of straight lines in analytic geometry, solve problems involving the measurement of 3-dimensional objects and 2-dimensional figures, and apply key numeric and algebraic skills in problem solving. Students will also have opportunities to consolidate core skills and deepen their understanding of key mathematical concepts.

MAT1LI

Math, Essential

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 essential course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

SNC1DI

Science, Academic

This course enables students to understand essential concepts in biology, chemistry, earth and space science, and physics; to develop skills in the processes of scientific inquiry; and to relate science knowledge to technological, social, and environmental knowledge. Students will learn about scientific theories and pursue inquiries related to cell division and reproduction, atomic and molecular structures, properties of elements and compounds, the universe and space exploration, and static and current electricity.

SNC1PI

Science, Applied

This course enables students to understand essential concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations. Students will design and conduct investigations into practical problems and issues related to cell division and reproduction, the structure and properties of elements and compounds, astronomy and space exploration, and static and current electricity.

SNC1LI

Science, Essential

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

CGC1DI

Canadian Geography, Grade 9, Academic

This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

CGC1PI

Canadian Geography, Grade 9, Applied

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore a range of issues, including food and water supplies, competing land uses, and interactions with the natural environment, developing their awareness that issues that affect their lives are interconnected with issues in other parts of the world. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate choices related to sustainable living in Canada.

CGC1PB

Canadian Geography, Grade 9, Essential

This course focuses on geographic issues that affect Canadians in practical everyday matters. Students will make personal connections to local and global issues by examining current events. Topics to investigate include: spatial geography, how earth's physical processes affect people, managing natural resources, population challenges in Canada and around the world, as well as sustainable development and infrastructure. Geographic thinking and inquiry skills will be fostered to allow students to seek out and explore topics of personal interest.

FSF1DI

French, Academic

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping-stones to oral and written activities.

FSF1DX

French, Academic

This course is geared towards students with a **French Immersion background**. In addition to topics covered in FSF1DI, students will work on their knowledge of French structures, and further developing their written skills in French.

FSF1PI

French, Applied

This course emphasizes the concurrent development of oral communication, reading, and writing skills, using a broad-based theme such as the media. Students will enhance their ability to understand and speak French through conversations, discussions, and presentations. They will also read short stories, articles, poems, and songs, and write brief descriptions, letters, dialogues, and invitations.

GRADE 9 ELECTIVE COURSES

Subject	Open
Dramatic Arts	ADA1OI
Music - Instrumental	AMI1OI (with experience)
Music - Instrumental	AMI1OX (beginners)
Music – Vocal	AMV1OI
Visual Arts	AVI1OI
Information Technology	BTT1OI
Food & Nutrition	HFN1OI
Healthy Active Living	PPL1OX (female)
Healthy Active Living	PPL1OY (male)
Digital Media & Engineering	TEJ1OI
Mechanical Engineering Tech	TMJ1OI

ADA1OI

Dramatic Arts, Open

This course emphasizes the active exploration of dramatic forms and techniques, using material from a wide range of authors, genres and cultures. Students will construct, discuss, perform, and analyze drama and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

AMI1OI

Music Instrumental, Open - with experience

This course develops performance skills for woodwind, brass or percussion players. It assumes that the student has played a concert band instrument **for at least one full year**, either privately or in elementary school. Students will play as a class, in small groups and occasionally as soloists. The course teaches students how to read and write musical notation, how to listen to and analyze music, and how to put music into a context.

AMI1OX

Music Instrumental, Open - beginners

This course teaches beginning performance skills for students that would like to play a woodwind, brass or percussion instrument. **No previous musical experience is required.** Students will select an instrument, learn to play as a class, in small groups and occasionally as soloists. The course teaches students how to read and write musical notation, how to listen to and analyze music, and how to put music into a context.

AMV1OI

Music Vocal, Open

This course provides instruction and performance opportunities **for beginning and experienced vocalists** alike. Students will be encouraged to find their voice as they experience a variety of styles and techniques. Vocal coaching will be provided at the class, ensemble and solo level. The course teaches students how to read and write musical notation, how to listen to and analyze music, and how to put music into a context.

AVI1OI

Visual Arts, Open

Students will learn Canadian and international art appreciation, the elements and principles of design, and use various techniques/materials such as tempera and acrylic paint, graphite, conte, pen and ink, print making and clay.

BTT10I

Information and Communication Technology in Business, Open

You've learned the basics of Google Apps, and now you'll be coming to high school with your personalized Chromebook as your learning tool for the next 4 years. Dig deeper into more of Google's G-Suite apps and learn more about what it has to offer. Go beyond Drive, Docs and Slides and dive into Sheets, Drawings, Forms, Gmail, Calendar, and Sites, as well as adding functionality to your workflow through other apps like Google Classroom or Chrome extensions. You will also develop your keyboarding, time management, and organizational skills, and expand your digital literacy and citizenship through collaborative and problem-solving projects. After taking this course, you will be well-prepared for your future and all your other courses: including writing that English essay or report; giving that presentation; completing that science lab, and much more.

HFN10I

Food and Nutrition, Open

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food-marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food-preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

PPL10X* Females

PPL10Y* Males

Healthy Active Living Education, Open

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

TEJ10I

Digital Media & Engineering, Grade 9, Open

This course combines a unique and rich blend of technology, media and communications, drawing on the strengths of the computer engineering, graphic and broadcast production arts. In this program, students engage with contemporary digital culture and problem solving. The projects include game programming, robotics & computer interfacing, screen, and animation. A field trip to a First Robotics Competition is included. Students have the choice to further specialize in communication technology or computer engineering in their future years.

TMJ10I

Mechanical Engineering Technology, Grade 9, Open

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

* highly recommended to be taken in grade 9

TYPES OF COURSES

Grade Nine is a foundation year upon which all other years are built. We have found that students who feel successful in their grade nine program are better equipped to meet the varied challenges and demands of high school. Therefore, it is very important that students and their parents, in consultation with the elementary school staff, select the appropriate type of courses. Although we do our best to accommodate requests for program changes during the school year, it may not be possible to make a change due to timetabling and staffing constraints. We have also found that making program changes during the school year often creates other unforeseen difficulties and challenges for students.

Students entering Grade 9 may choose from three types of courses in the core subjects:

Academic courses emphasize theory and abstract problems. These types of courses serve as prerequisites for senior courses offered in the university stream.

Applied courses focus on practical applications and concrete examples. These types of courses serve as prerequisites for senior courses offered in the college stream.

Essential courses are locally developed courses that meet educational needs not met by provincial curriculum documents. The following courses are available: Geography, English, Math and Science. Each of these may be counted as a compulsory credit in that discipline. These types of courses serve as prerequisites for senior courses offered in the workplace stream.

Elective subjects are offered as Open streamed courses and are available to all students.

Visit W-O's website to view grade 9 – 12 course offerings, prerequisites and WRDSB's Common Course Calendar.

<https://wod.wrdsb.ca/guidance-3/course-selection/>



ONTARIO SECONDARY SCHOOL DIPLOMA REQUIREMENTS

Students entering Grade 9 will be eligible to receive the OSSD upon the successful completion of 30 credits including 18 compulsory credits, 12 elective credits and 2 additional requirements.

COMPULSORY CREDITS

- 4 - English (one per grade)
- 3 - Mathematics (at least one in Grade 11 or 12)
- 2 - Science
- 1 - French as a second language
- 1 - Canadian Geography
- 1 - Canadian History
- 1 - Arts
- 1 - Health and Physical Education
- .5 - Civics
- .5 - Career Studies

- 1 - Group 1: additional English **or** French as a second language, **or** a Native Language, **or** a classical **or** an international language, **or** social sciences and the humanities, **or** Canadian and world studies, **or** guidance & career education, **or** co-op*

- 1 - Group 2: additional credit in health and physical education, **or** the arts **or** business studies **or** French as a second language, **or** co-op*

- 1 - Group 3: additional credit in science (Grade 11 or 12), **or** technological education, **or** French as a second language, **or** computer studies, **or** co-op*

Additional Requirements:

- 12 optional credits
- 40 hours of community involvement activities
- Successful completion of either the Ontario Secondary School Literacy Test **or** the Ontario Secondary School Literacy Course

* A maximum of 2 credits in co-operative education can count as compulsory credits.

FEEDER SCHOOL PEP RALLY

Tuesday, May 14, 2019
9:00 A.M. – 10:45 A.M.