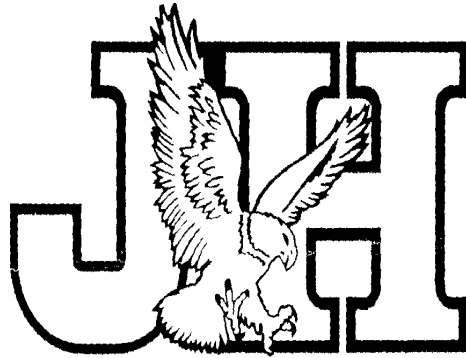


Jacob Hespeler Secondary School

ROOTS AND WINGS



2019-2020

COURSE CALENDAR

GRADE 9

PHONE: 519-658-4910

FAX: 519-658-8171

WEB: jhs.wrdsb.ca

355 Holiday Inn Drive

Cambridge, Ontario

N3C 1Z2



IT IS THE GOAL OF JACOB HESPELER SECONDARY SCHOOL TO HELP OUR STUDENTS DEVELOP ROOTS - TO BUILD STRONG FOUNDATIONS IN KNOWLEDGE, SKILLS, VALUES AND POSITIVE ATTITUDES - THAT WILL LEAD TO SUCCESS IN THEIR FUTURE LIVES: AND TO HELP OUR STUDENTS SPREAD THEIR WINGS - TO STRIVE FOR EXCELLENCE, SELF SATISFACTION AND PRIDE IN THEIR OWN ABILITIES AS SCHOLARS, AS CITIZENS OF THEIR COMMUNITY, AS WORKERS AND AS INDIVIDUALS

What do you need to graduate from high school?

18 compulsory credits

Students must earn the following compulsory credits to obtain the Ontario Secondary School Diploma:

4	credits in English (1 credit per grade)*
3	credits in mathematics (1 credit in Grade 11 or 12)
2	credits in science
1	credit in Canadian history
1	credit in Canadian geography
1	credit in the arts
1	credit in health and physical education
1	credit in French as a second language
0.5	credit in career studies
0.5	credit in civics

In addition, students must complete:

✓	12 optional credits [†]
✓	40 hours of community involvement activities
✓	the provincial literacy requirement

Plus one credit from each of the following groups:

	<p>Group 1:</p> <ul style="list-style-type: none"> English or French as a second language** a Native language
1	<ul style="list-style-type: none"> a classical or international language social sciences and the humanities Canadian and world studies guidance and career education cooperative education***
	<p>Group 2:</p> <ul style="list-style-type: none"> health and physical education
1	<ul style="list-style-type: none"> the arts business studies French as a second language** cooperative education***
	<p>Group 3:</p> <ul style="list-style-type: none"> science (Grade 11 or 12)
1	<ul style="list-style-type: none"> technological education French as a second language** computer studies cooperative education***

* A maximum of 3 credits in English as a second language (ESL) or English literacy development (ELD) may be counted towards the 4 compulsory credits in English, but the fourth must be a credit earned for a Grade 12 compulsory English course.

** In groups 1, 2 and 3, a maximum of 2 credits in French as a second language can count as compulsory credits, one from group 1 and one from either group 2 or group 3.

*** A maximum of 2 credits in cooperative education can count as compulsory credits.

† The 12 optional credits may include up to 4 credits earned through approved dual credit courses.

General Course Information

Definition of a Credit

A credit is recognition of the successful completion of a course for which a minimum of 110 hours is scheduled. A credit is granted to a student by the Principal of a Secondary School on behalf of the Minister of Education.

Definitions of Types of Courses

Four types of courses are offered in Grade 9 and 10:

- **Academic** courses emphasize theory and abstract problems.
- **Applied** courses focus on practical applications and concrete examples.
- **Open** courses are designed to prepare students for further study in certain subjects and to enrich their education generally.
- **Essential** courses are designed to prepare students for transition from high school to the workforce. Available to Fast Forward students only.

Course Coding System

The course code consists of a course title and a sixth character code: The first five characters are designated by the Ministry of Education and Training. The Waterloo Region District School Board determines the sixth character.

Code Characters	Explanation	Example - ENG 1 D I
1 st , 2 nd and 3 rd	Subject discipline of the course in letters.	"ENG" English
4 th	Grade level as a number * (see below) "1" Grade 9 "3" Grade 11 "2" Grade 10 "4" Grade 12	"1" Grade 9
5 th	Type of course as a letter "D" Academic "E" Workplace "P" Applied "C" College "O" Open "M" University/College "U" University	"D" Academic course
6 th	Board designated character that indicates credit value or may be used to differentiate between courses with similar codes.	"1" 1 credit

*In the case of a language course the fourth character refers to the level of proficiency.

*In the case of a locally developed course the fifth character is a number or the letter "L"

Course Fees:

All basic materials essential for the completion of a program are made available by the school at **no cost** to students. It is the policy of the Waterloo Region District School Board to acknowledge that students are entitled to an education that ensures they achieve their full potential through equitable and appropriate allocation of funds provided by the Ministry of Education. Some programs may offer optional course enhancements for an extra fee, however these are strictly enhancements and are not required for a student to reach their full potential and achieve success in the course. Enhanced educational opportunities for all students are made available through shared responsibilities with parents/guardians and other community resources. Students/Families requiring financial assistance should contact a staff member. That staff member will ensure that the student's issue is dealt with in an appropriate, sensitive and confidential manner.



FAST FORWARD offers students an opportunity to prepare to go directly from high school and begin a career. Students take courses that may lead to a 30 credit Ontario Secondary School Graduation Diploma or a 14 credit Ontario Secondary School Certificate.

FAST FORWARD helps students by:

- ◆ Providing 'hands-on' training for a specific industry
- ◆ Teaching communication and interpersonal skills
- ◆ Building student self-confidence through personal success
- ◆ Providing a solid foundation for lifelong learning
- ◆ Preparing students for rewarding careers and promising futures
- ◆ Prefer to learn both inside and outside of the classroom environment

HOW TO APPLY:

- Application packages are required
- A student's home school should complete the necessary information and forward it to the JHSS Guidance Department.

Students interested in this program will take the following package of courses:

Grade 9 Fast Forward Courses

CORE			ELECTIVES	
English	ENG1LI	Essential level	Integrated Arts	ALC1OB
Geography	CGC1PB	Applied level	Information Technology	BTT1OB
Math	MAT1LI	Essential level	Integrated Technology	TIJ1OA or TIJ1OB
Science	SNC1LI	Essential level	Physical Education	PPL1OA (Female) or PPL1OB (Male)

CORE COURSE DESCRIPTIONS

Geography of Canada, Academic, CGC1DI

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 in which to live.

Geography of Canada, Applied, CGC1PB, Fast Forward

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies.

Geography of Canada, Applied, CGC1PI

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies.

English, Academic, ENG1DI

This course emphasizes the analytical reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs and their daily lives. Students will study and interpret texts from contemporary and historical periods, including short stories, poems, and short essays, and will investigate and create media works. An important focus will be the correct and effective use of spoken and written language. The fundamentals of essay writing will be introduced in this course in anticipation of further study at the academic level.

English, Essential, Locally Developed, ENG1LI, Fast Forward

This course emphasizes the key reading, writing, thinking and oral communication skills students need for success in their daily lives and in the workplace. Students read a variety of narrative and expository forms practice the skills necessary for clear and accurate spoken and written language. Course activities will help develop confidence and self-esteem and provide motivation to succeed in school and life.

English, Applied, ENG1PI

This course emphasizes key reading, writing, oral communication, and thinking skills that students need for success in secondary school and their daily lives. Students will study and interpret a variety of fiction and nonfiction texts and will describe and create media works. An important focus will be the correct use of spoken and written language. At least one major novel study will be undertaken in this course.

Core French, Academic, FSF 1DI

This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will continue to develop language knowledge and skills by using language-learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities.

Core French, Applied, FSF 1PI

This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will develop their skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities.

Mathematics, Essential, Locally Developed, MAT1LI, Fast Forward

This course focuses on the numeracy skills used in the workplace and everyday life. It includes working with fractions, money, and measurement in practical and real-life ways.

Principles of Mathematics, Academic, MPM1DI

This course expands on knowledge of integers to the rational numbers, exponents and algebraic expressions. Solving linear equations, problem solving and linear relations are a significant portion of the course. Angle and multi-dimensional geometry are also covered. This course is intended for students who consistently perform well in the strands of Number Sense & Numeration and Patterning & Algebra, and are strong abstract and theoretical thinkers.

Foundations of Mathematics, Applied, MFM1PI

This course builds on knowledge of integers and introduces exponents, algebraic expressions and equations. Measurement and geometry, proportion and ratio and linear relationships are also covered with an emphasis on problem solving and application to real-world situations. This course is intended for kinesthetic learners who are seeking practical and concrete application.

Science, Academic, SNC1DI

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 the principles of static and current electricity.

Science, Essential, Locally Developed, SNC1LI, Fast Forward

This course enables students to deepen their knowledge and understanding of the basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in science investigation; and to apply their knowledge and skills to everyday situations. Students conduct investigations into practical problems and issues related to cells and reproduction, the structure and properties of elements and compounds, static and current electricity, and astronomy and space exploration. A variety of hands-on activities assist students to acquire concepts. Students will use different reporting strategies to facilitate the development of communications skills.

Science, Applied, SNC1PI

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.

ELECTIVES

Dramatic Arts, Open, ADA10I

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. This is an introductory drama course enabling students to become better listeners, questioners and creators. This course culminates in a whole class performance.

Integrated Arts, Open, ALC10B, Fast Forward

This course will integrate dramatic arts, and visual arts. Students will learn Theater basics while they build skills to produce a summative dramatic performance. As well students will learn the elements and principles unique to visual arts. This course encourages creative expression and fosters the development of skills.

Multi-Medium Rotation, Open, ALC 10I

Focusing on appreciation and creativity, students will learn and apply concepts, styles and conventions unique to Stained Glass & Crafts, and Fashion & Foods. This course encourages creative expression and fosters the development of skills.

Music, Open, AMU10I

This course offers the opportunity for students to enhance their musical skills by learning to play an instrument of their choice. Students will develop technique on their instrument while performing repertoire in a variety of musical styles. Reading skills, creativity, concentration and co-ordination will improve as students perform individually, with a partner and in groups to gain a greater knowledge of musical analysis and performance. Field trips may include elementary school and community concerts, music festivals and retreats and participation in Canada's Wonderland Music Festival.

Visual Arts, Open, AVI10I

This course offers an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials through working with a range of processes, techniques, and styles. They will learn and use methods of analysis and criticism and will study the characteristics of particular historical art periods and a selection of Canadian Art and the art of other cultures. Field trips may include the McMichael Canadian Collection, The Royal Agricultural Winter Fair, Art Gallery of Ontario and the Ontario College of Art.

Introduction to Business, Open, BBI10I

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, personal finance, human resources, production, as well as the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

Information and Communication Technology in Business, Open, BTT10I

This course introduces the students to the use of information technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically-driven society. Students will develop word processing, spreadsheet, desktop publishing, presentation, and website design skills. Throughout the course there is an emphasis on digital literacy, effective electronic research and communication skills and current issues related to the impact of information and communication technology in society. Software used includes Word, Excel, PowerPoint, Publisher, Web 2.0 Tools and Google apps. A special focus on using your Chromebook's hardware and software capabilities is also included in this course.

Information Technology, Open, BTT1OB, Fast Forward

This course introduces the students to the use of information technology in a business environment and builds a foundation of the 21st Century digital literacy skills. Students will develop word processing, spreadsheet, desktop publishing and presentation skills. Throughout the course there is an emphasis on electronic communication and research skills plus an examination of information and communication technology's impact on society using your Chromebook effectively with apps and extensions is a focus of this course.

Healthy Active Living Education, Open, PPL1OX (Female), PPL1OY (Male), PPL1OA (Fast Forward Female), and PPL1OB (Fast Forward Male)

This course emphasizes students' daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement techniques and principles, ways to improve personal fitness and physical competence, and safety/injury-prevention strategies. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs and will participate in activities designed to develop goal setting, communication, and social skills. Uniforms are required for class.

EXPLORING TECHNOLOGIES GRADE 9

Exploring Technologies, Grade 9, Open

This course will give students a hands-on opportunity to create and design projects and services using the many tools, hardware, and software available at JHSS. Designed as a rotation, students will travel to the various technology shops and classrooms in the school throughout the semester. Each section of the rotation lasts for several weeks and is taught by one of our industry trained and experienced technology teachers. Students will learn in a safe, fun, and exciting way as they experience the many areas of technology that are offered. They will also discover their own interests, which will help with future course selection and possible career paths. We offer two rotations, each with a different technological focus:

TIJ1OI/ TIJ1OA, Rotation A: *Trades Focus* - Students will learn vehicle repair & maintenance in the auto shop, how to use hand tools & power tools in the wood shop, design & produce 2D and 3D projects in technological design, and grow & propagate plants in the greenhouse.

TIJ1OX/ TIJ1OB, Rotation B: *Technology Focus* - Students will learn how to manipulate images using Photoshop & create animations in communications, build robots & code your own video game in computer technology, and make tasty treats in the kitchen & bake shop.

Grade 9 Courses

Course Code	Course Title
ADA1OI	Dramatic Arts
ALC1OI	Multi-Medium Rotation
AMU1OI	Music
AVI1OI	Visual Arts
BBI1OI	Introduction to Business
BTT1OI	Information and Communication Technology in Business
CGC1DI	Academic Geography of Canada
CGC1PI	Applied Geography of Canada
ENG1DI	Academic English
ENG1PI	Applied English
FSF1DI	Academic French
FSF1PI	Applied French

Course Code	Course Title
PPL1OX (Female)	Healthy Active Living
PPL1OY (Male)	Healthy Active Living
MPM1DI	Academic Mathematics
MFM1PI	Applied Mathematics
SNC1DI	Academic Science
SNC1PI	Applied Science
TIJ1OI	Trade Focus
TIJ1OX	Technology Focus