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## WELCOME TO LISTOWEL DISTRICT SECONDARY SCHOOL

### HOME OF THE LIGHTNING

by Diane Homewood – Principal

## LISTOWEL DISTRICT SECONDARY SCHOOL

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[ldss.typepad.com](http://ldss.typepad.com)

Listowel District Secondary School offers a learning environment and school community that encourages students to explore their options and discover new challenges through meeting high academic expectations and co-curricular opportunities. Our mission is to unlock the potential within all of our learners.

Whether you choose to pursue university, college, an apprenticeship or join the workforce immediately upon graduation you will find rich learning opportunities available at LDSS. The course calendar contains a great deal of the information you require to investigate your choices.

We encourage you to take the time to seek advice and information from the resources available

to you and then explore the calendar to find courses that will meet your goals as well as be interesting, enjoyable and challenging.

## STUDENT RESPONSIBILITIES

### Attendance

Regular attendance is one of the most essential ingredients to facilitate student learning and the achievement of course expectations for success at school. The school attendance policy is printed in the student handbook and is available in the school office.

### Achievement

The assessment of student achievement is not only an indicator of academic success, but is a tool for learning. Assessment assists in identifying and directing the development of student strengths, and identifying concerns to help students to be successful. Students and parents will receive two or three provincial reports per course, and two interim reports per year. Parents should feel free to contact subject teachers, Student Services and/or the school administration any time they have a concern.

The assessment and evaluation policy and procedures for each department and course are aligned with those of the Avon Maitland District School Board and the Ministry of Education. At the beginning of the course, the methods of assessment and evaluation and the weighting of term marks are outlined in writing to students by each subject teacher on the Course Information Sheet. Students should be sure they understand the assessment and evaluation policies in each of their courses. School staff are always available for consultation, academic assistance and support.

### Student Conduct

L.D.S.S. adheres to the policies of the Avon Maitland District School Board and the Ministry of Education. Protocols particular to L.D.S.S. are available in the student handbook given to each student at registration and are available in the school's main office. The Avon Maitland District School Board's Code of Conduct is contained in the booklet "Together 4 Safer Schools" which is available through each school and the Avon Maitland website at [www.yourschools.ca](http://www.yourschools.ca).



LDSS

Attendance Line

519-291-1880

ext. 222

Leave a message 24 hours a day.

**Success starts here!**

## SCHOOL SUPPORT SERVICES & RESOURCES

### Student Services

The Student Services department assists students in acquiring the skills, knowledge and attitudes necessary to:

- relate effectively to others
- develop appropriate educational goals
- design personal career paths
- learn school success skills
- know and appreciate themselves

To achieve these goals, the Student Services department provides:

- programs to help grade eight students make the transition to secondary school
- individual counseling about timetables, courses, careers and personal concerns
- printed information and electronic access to information on post-secondary educational and workplace opportunities (university, college, apprenticeship, career info) referrals to community agencies
- group and classroom sessions on self-awareness and self esteem, career decision-making, educational planning



## Resource Centre and Computer Labs

The L.D.S.S. Joyce Pratt Resource Centre has over 20,000 books as well as many periodicals and internet search facilities available for class and individual student research. The Resource Centre has a student access computer centre with 30 computers available for general use when not reserved for classes. This area is also available from 7:40 am to 2:35 pm. The school also has available for classes, student research, and cross curricular subject booking 5 full computer labs as well as various other student access computer areas.

## Cooperative Education and Work Experience

Coop Education is a wonderful opportunity for students to explore career opportunities, gain valuable work experience and transfer school to work skills. Cooperative Education credits may be tied to any subject area and students from all programs headed to post-secondary education, apprenticeship or the workplace may select cooperative education. Those students considering a skilled trade for a career may wish to explore that opportunity through the Ontario Youth Apprenticeship Program (OYAP).

## Alternative Education/Nexus

Nexus is the L.D.S.S. Cooperative Opportunities Providing Education (C.O.P.E.) alternative education program. The program offers an off-campus education opportunity to obtain an Ontario Secondary School Diploma to students currently out of school or who may not have met success in a traditional classroom setting. Nexus is a continuous entry program which includes a cooperative education experience with the delivery of credit courses. For more information please contact the L.D.S.S. Student Services Office or the Nexus site.

## Alternative Education/CASE

CASE is an alternative program that is designed to serve students from families whose culture does not support attending a traditional secondary school. CASE combines academic studies and work placements, leading to an OSSD. For more information about this program please contact the Student Services office.

## Special Education

L.D.S.S. provides a variety of programs to meet the needs of identified students who may require enrichment or extra support to meet their full potential for success. The majority of our students meet this success in regular classroom placements while some may require a more specialized class placement. Special Education Resource Teachers and Student Services counsellors are available to help create an educational plan and provide the appropriate learning environment and educational assistance for our exceptional students.

## Course Changes: Policies and Procedures

Students are encouraged to make course selections carefully when planning their programs for next year. Students who do require a course change should consult with a Student Service counsellor prior to the start of the course or within the 1st three weeks of the course starting. Parents/guardians, teachers and the principal must approve student timetable changes. Course changes are subject to space limitations. Students are expected to carry 8 credits per year in grades 9, 10 and 11. More information is available in the Student Agenda.



# THE ARTS

## **ADA10 Dramatic Arts, Grade 9, Open**

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

## **ADA20 Dramatic Arts, Grade 10, Open**

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.

## **ADD20 (Part 1) Dramatic Arts – Production, Grade 10, Open, 0.5 credit**

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them. This course is taught through the focus of Dramatic Arts Production and will be held outside of the school day, in conjunction with Black Door Theatre. *Co-requisite: either ADA10 or ADA20*

## **ADD20 (Part 2) Dramatic Arts – Production, Grade 10, Open, 0.5 credit**

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them. This course is taught through the focus of Dramatic Arts Production and will be held outside of the school day, in conjunction with Black Door Theatre. *Co-requisite: either ADA10 or ADA20*

## **ADA3M Dramatic Arts, Grade 11, University/College Preparation**

This course requires students to create and to perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences. *Prerequisite: Drama, Grade 9 or 10, Open*

## **ADA4M Dramatic Arts, Grade 12, University/College Preparation**

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. *Prerequisite: Drama, Grade 11, University/College Preparation or Open ADD4M*

## **ADD 4M(Part 1) Dramatic Arts - Production Grade 12, University/College Preparation, 0.5 credit**

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. This course is taught through the focus of Dramatic Arts Production and will be held outside of the school day, in conjunction with Black Door Theatre. *Co-requisite: ADA3M or ADA 4M*

## **ADD4M (Part 2) Dramatic Arts - Production Grade 12, University Preparation, 0.5 credit**

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. This course is taught through the focus of Dramatic Arts Production and will be held outside of the school day, in conjunction with Black Door Theatre. *Prerequisite: Dramatic Arts, Grade 11, University/College Preparation or Open; Co-requisite: ADA4M*

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**AMI10  
Instrumental Music - Band,  
Grade 9, Open**

This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life. Students will learn to play a woodwind or brass instrument and the course is open to all Grade 9 students regardless of musical background.

**AMV10  
Music - Vocal/Choral  
Grade 9, Open**

This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life. Students will explore the vast repertoire of vocal and choral music ranging from the Middle Ages to the present, from Gregorian Chant to vocal jazz, with special attention given to Canadian folk music.

**AMI20  
Instrumental Music - Band,  
Grade 10, Open**

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. This course emphasizes music performance on a band instrument.  
*Recommended preparation: AMI10*

**AMV20  
Music - Vocal/Choral  
Grade 10, Open**

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding and cultures. There will also be an emphasis on sight-singing, individual and choral repertoire.  
*Recommended preparation: AMU 10*

**AMR20 (Part 1)  
Music Repertoire,  
Grade 10, Open, 0.5 credit**

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. The course is taught through the focus of Music Repertoire and will be held outside of the school day, in conjunction with the Choral Ensemble. *Co-requisite course: AMV10 or AMV20*

**AMR20 (Part 2)  
Music Repertoire,  
Grade 10, Open, 0.5 credit**

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. The course is taught through the focus of Music Repertoire and will be held outside of the school day, in conjunction with the Choral Ensemble. *Co-requisite course: AMV10 or AMV20*

**AMU3M  
Music,  
Grade 11, University/College Preparation**

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.  
*Prerequisite: Music, Grade 9 or 10, Open*

**AMU4M  
Music,  
Grade 12, University/College Preparation**

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. *Prerequisite: Music, Grade 11, University/ College Preparation or Open*



**AMR4M (Part 1)**  
**Music Repertoire,**  
**Grade 12, College/University Preparation,**  
**0.5 credit**

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. This course is taught through the focus of Music Repertoire and will be held outside of the school day, in conjunction with the Choral Ensemble. *Prerequisite: Music, Grade 11, University/ College Preparation or Open Co-requisite course AMU3M or AMU 4M.*

**AMR4M (Part 2)**  
**Music Repertoire,**  
**Grade 12, University Preparation, 0.5 credit**

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. This course is taught through the focus of Music Repertoire and will be held outside of the school day, in conjunction with the Choral Ensemble. *Prerequisite: Music, Grade 11, University/ College Preparation or Open Co-requisite course AMU4M.*

**ASM20**  
**Media Arts,**  
**Grade 10, Open**

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

**ASM3M**  
**Media Arts,**  
**Grade 11, University/College Preparation**

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyse the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and values. *Prerequisite: Media Arts, Grade 10, Open*

**ASM4M**  
**Media Arts,**  
**Grade 12, University/College Preparation**

This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture, and community values. *Prerequisite: Media Arts, Grade 11, University/College Preparation.*

**AVI10**  
**Visual Arts,**  
**Grade 9, Open**

This course is exploratory in nature, offering 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 by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

**AVI20**  
**Visual Arts,**  
**Grade 10, Open**

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

**AVI3M**  
**Visual Arts,**  
**Grade 11, University/College Preparation**

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluation their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form ( e.g., photography, video, computer graphics, information design). *Prerequisite: Visual Arts, Grade 9 or 10, Open*

**AVI4M**  
**Visual Arts,**  
**Grade 12, University/College Preparation**

This course focuses on enabling students to refine their use of the creative process when creating and presenting two-and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production.

**WHAT ARE 'EXPECTATIONS'?**

THE KNOWLEDGE AND SKILLS THAT STUDENTS ARE TO LEARN AND BE ABLE TO DO IN A COURSE ARE CALLED EXPECTATIONS.

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**KELSIE BROWN**



*Kelsie Brown came to LDSS from Howick Township Elementary School and is enrolled in the Specialist High Skills Major program. Kelsie has enjoyed her time in the woodworking shop and would like to one day own her own shop to design and build kitchen cabinets. She loves working on her own and enjoys the detail work involved in cabinet making.*

*This past summer she took part in the Junior Ranger program and was located in Sioux Lookout for eight weeks, earning two co-operative education credits. She highly recommends this program. It really opened her eyes to what it is like to live away from home. Her advice to others is to plan your secondary school courses ahead of time and keep your options for all career destinations open.*

Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts. *Prerequisite: Visual Arts, Grade 11, University/College Preparation.*

## **BUSINESS STUDIES**

### **BTT10 Information and Communication Technology in Business, Grade 9, Open**

This course introduces students to information and communication 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, database, desktop publishing, presentation software, 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.

### **BBI20 Introduction to Business, Grade 10, Open**

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information technology, human resources, and production, and of 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.

### **ICS 20 Computer and Information Science, Grade 10, Open**

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.

### **BAF3M Financial Accounting Fundamentals, Grade 11, University/College Preparation**

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting.

### **BDI3C Entrepreneurship: The Venture, Grade 11, College Preparation**

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a student-run school-based or summer business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

### **BMI3C Marketing: Goods, Services, Events, Grade 11, College Preparation**

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.

### **BMX3E Marketing: Retail and Service, Grade 11, Workplace Preparation**

This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.

### **BTA30 Information and Communication Technology: The Digital Environment, Grade 11, Open**

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or post-secondary studies.

### **ICS3U Introduction to Computer Studies, Grade 11, University Preparation**

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

**IDC30**  
**Interdisciplinary Studies:**  
**Journalism Media Production,**  
**Grade 11, Open**

The IDC30 course will help students combine the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning and present findings beyond the scope of a single subject or discipline. Through individual and collaborative inquiry and research students will analyze the connections among diverse subjects and disciplines; develop information literacy skills in analyzing, selecting, evaluating and communicating information; and become aware of a variety of resources and viewpoints on contemporary issues. They will also examine their own learning styles, relate their inquiries and research to real-life situations, and investigate career opportunities in new disciplines. This course will help students create informative print, media and electronic products for school and community audiences through the yearbook, electronic yearbook, newspapers, video production, web pages and photo-journalism. This course combines the expectations for Interdisciplinary Studies, Grade 11, Open with selected expectations from BMI3C (Introduction to Marketing, Grade 11, College Preparation) and TGJ3M (Communications Technology, Grade 11, University/College Preparation).

**BAT4M**  
**Financial Accounting Principles,**  
**Grade 12, University/College Preparation**

This course introduces students to advanced accounting principles that will prepare them for post-secondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course further develops accounting methods for assets and introduces accounting for partnerships, corporations, and sources of financing. *Prerequisite: Financial Accounting Fundamentals, Grade 11, University/College Preparation*

**BBB4M**  
**International Business Fundamentals,**  
**Grade 12, University/College Preparation**

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for post-secondary programs in business, including international business, marketing, and management. *Prerequisite: Any university, University/College, or College Preparation Course in Business Studies, English, or Canadian and World Studies*

**BOH4M**  
**Business Leadership:**  
**Management Fundamentals,**  
**Grade 12, University/College Preparation**

This course focuses on the development of leadership skills used in managing a successful business. Students will analyze the role of a leader in business with a focus on decision making,

management of group dynamics, workplace stress and conflict, motivations of employees, and planning. Effective business communication skills, ethics, and social responsibility will be emphasized throughout the course. *Prerequisite: Any university, University/College, or College Preparation course in Business Studies, English, or Canadian and World Studies*

**BTX4C**  
**Information and Communication**  
**Technology: Multimedia Solutions,**  
**Grade 12, College Preparation**

This course provides students with the opportunity to apply their information and communication technology skills while working in a team environment. Through a project-based approach, students will have opportunities to integrate common business software applications and apply multimedia techniques. Students will further develop their understanding of electronic business and e-commerce environments. The skills acquired in this course will prepare students for success in post-secondary studies and in their future careers. *Prerequisite: Information and Communication Technology: The Digital Environment, Grade 11, Open*

**CIA4U**  
**Analyzing Current Economic Issues,**  
**Grade 12, University Preparation**

This course investigates the nature of the competitive global economy and explores how individuals and societies can gain the information they need to make appropriate economic decisions. Students will learn about the principles of microeconomics and macroeconomics, apply economic models and concepts to interpret economic information, assess the validity of statistics, and investigate marketplace dynamics. Students will use economic inquiry and communication skills to analyze current economic issues, make informed judgments, and present their findings. This credit counts as a C.W.S. not a Business course for diploma purposes. *Prerequisite: Any University or University/College preparation course in Canadian and World Studies, English, or Social Sciences and Humanities*

**IDC40**  
**Interdisciplinary Studies:**  
**Journalism Media Production,**  
**Grade 12, Open**

The IDC40 course emphasizes the development of practical skills and knowledge to solve problems, make decisions, create personal meaning and present findings beyond the scope of a single subject or discipline. Through individual and collaborative inquiry and research into contemporary issues, real-life situations, and careers, students will apply the principles and skills derived from the complementary subjects and disciplines studied, evaluate the reliability of information, and examine how information technology can be used safely, effectively, and legally. They will also learn how to select strategies to define problems, research alternative solutions, assess their thinking in reaching decisions and adapt to change as they acquire new knowledge. This course will focus on exercising leadership in creating informative print, media and electronic products for school and community audiences through the production of the yearbook, newspapers,

**WHAT'S THE LITERACY REQUIREMENT?**

THE LITERACY TEST IS BASED ON ONTARIO CURRICULUM EXPECTATIONS FOR READING AND WRITING IN ALL SUBJECTS UP TO THE END OF GRADE 9. STUDENTS, WHO ARE UNSUCCESSFUL, WILL BE ABLE WRITE THE TEST AGAIN, OR TO TAKE THE EQUIVALENT OSSLC. STUDENTS WRITE THE TEST IN GRADE 10.

**WHAT ARE EMPLOYABILITY SKILLS?**

EMPLOYABILITY SKILLS INCLUDE SKILLS SUCH AS READING, WRITING, COMPUTER USE, TEAM WORK, ORGANIZATION, WORKING SAFELY AND PROBLEM SOLVING. THESE TRANSFERABLE SKILLS ARE USED IN ALMOST ALL JOBS. VISIT: [SKILLS.EDU.GOV.ON.CA](http://SKILLS.EDU.GOV.ON.CA)

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## WHAT IS CREDIT RESCUE?

STUDENTS GET EXTRA HELP WITH CLASS WORK AND ASSIGNMENTS WHEN THEY ARE PART OF THE CREDIT RESCUE PROGRAM AT THEIR SCHOOL.

videos, and web pages. This course combines the expectations for Interdisciplinary Studies, Grade 12, Open with selected expectations from BMI3C (Introduction to Marketing, Grade 11, College Preparation), BTX4C (Information Technology in Business, Grade 12, College Preparation)

## CANADIAN AND WORLD STUDIES

### **CGC1D** **Geography of Canada,** **Grade 9, Academic**

This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyze and evaluate geographic issues and present their findings.

### **CGC1P** **Geography of Canada,** **Grade 9, Applied**

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences as they learn about Canada's distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communication methods to examine practical geographic questions and communicate their findings.

### **CHC2D** **Canadian History Since World War 1,** **Grade 10, Academic**

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

### **CHC2L** **Canadian History,** **Grade 10, Locally Developed**

This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War I to the present. Students prepare for the Grades 11 and 12 Workplace Preparation history courses through the development and extension of historical literacy and inquiry skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships, and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills, and mathematical literacy skills to identify and communicate ideas in a variety of forms.

### **CHC2P** **Canadian History Since World War 1,** **Grade 10, Applied**

This course explores some of the pivotal events and experiences that have influenced the development of Canada's identity as a nation from World War I to the present. By examining how the country has responded to economic, social, and technological changes and how individuals and groups have contributed to Canadian culture and society during this period, students will develop their ability to make connections between historical and current events. Students will have opportunities to formulate questions, locate information, develop informed opinions, and present ideas about the central issues and events of the period.

### **CHV2O** **Civics,** **Grade 10, Open, 0.5 credit**

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

### **CGF3M** **Physical Geography:** **Patterns, Processes, and Interactions,** **Grade 11, University/College Preparation**

This course examines the major patterns of physical geography and the powerful forces that affect them. Students will investigate the dynamic nature of the earth, the evolving relationship between the planet and its people, and the factors that limit our ability to predict the changes that will occur. Students will use a wide range of geotechnologies and inquiry methods to investigate the distribution and interaction of the elements of their physical environment and to communicate their findings. *Prerequisite: Geography of Canada, Grade 9, Academic or Applied*

### **CGG3O** **Travel and Tourism:** **A Regional Geographic Perspective,** **Grade 11, Open**

This course focuses on travel and tourism as the vehicle for studying selected world regions. Using a variety of geotechnologies and inquiry and communication methods, students will conduct and present case studies that develop their understanding of the unique characteristics of selected world regions; the environmental, cultural, economic, and political factors that influence travel and tourism; and the impact of the travel industry on communities and environments around the world. *Prerequisite: Geography of Canada, Grade 9, Academic or Applied*

### **CHA3U** **American History,** **Grade 11, University Preparation**

This course traces the social, economic, and political development of the United States from colonial times to the present. Students will examine issues of diversity, identity, and



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culture that have influenced the country's social and political formation and will consider the implications of its expansion into a global superpower. Students will use critical-thinking and communication skills to determine causal relationships, evaluate multiple perspectives, and present their own points of view. *Prerequisite: Canadian History Since World War 1, Grade 10, Academic or Applied*

### **CHW3M** **World History to the Sixteenth Century,** **Grade 11, University/College Preparation**

This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyze diverse societies from around the world, with an emphasis on the political, cultural, and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking, and communication skills to evaluate the influence of selected individuals, groups, and innovations and to present their own conclusions. *Prerequisite: Canadian History Since World War 1, Grade 10, Academic or Applied*

### **CLU3M** **Understanding Canadian Law,** **Grade 11, University/College Preparation**

This course explores Canadian law with a focus on legal issues that are relevant to people's everyday lives. Students will investigate fundamental legal concepts and processes to gain a practical understanding of Canada's legal system, including the criminal justice system. Students will use critical-thinking, inquiry, and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways and settings, including case analysis, legal research projects, mock trials, and debates. *Prerequisite: Canadian History Since World War 1, Grade 10, Academic or Applied*

### **CHY4U** **World History: The West and the World,** **Grade 12, University Preparation**

This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. They will use critical-thinking and communication skills to investigate the historical roots of contemporary issues and present their conclusions. *Prerequisite: Any University or University/College preparation course in Canadian and World Studies, English or Social Sciences and Humanities*

### **CIA4U** **Analyzing Current Economic Issues,** **Grade 12, University Preparation**

This course investigates the nature of the competitive global economy and explores how individuals and societies can gain the information they need to make appropriate economic decisions. Students will learn about the principles of microeconomics and macroeconomics, apply economic models and concepts to interpret economic information, assess the validity of statistics, and investigate marketplace dynamics.

Students will use economic inquiry and communication skills to analyze current economic issues, make informed judgments, and present their findings. *Prerequisite: Any University or University/College preparation course in Canadian and World Studies, English, or Social Sciences and Humanities*

### **CPW4U** **Canadian and World Politics,** **Grade 12, University Preparation**

This course examines Canadian and world politics from a variety of perspectives. Students will investigate the ways in which individuals, groups, and states work to influence domestic and world events, the role of political ideologies in national and international politics, and the dynamics of international cooperation and conflict resolution. Students will apply critical thinking and communication skills to develop and support informed opinions about current political conflicts, events, and issues. *Prerequisite: Any University or University/College preparation course in Canadian and World Studies, English, or Social Sciences and Humanities*

## **COOPERATIVE EDUCATION**

**NOTE:** Students interested in the Cooperative Education Program at L.D.S.S. must fill out a Coop Education Application Form and be interviewed to determine the student's suitability for the program. Students wishing further information on Cooperative Education Programs should go to room 121A or go to Student Services.

Cooperative education may be the culmination of a series of experiential learning opportunities that include job shadowing, job twinning, and work experience, and is often an integral part of school-to-work transition programs, including the Ontario Youth Apprenticeship Program (OYAP). Cooperative Education is a unique educational experience that combines in-school theory with practical hands-on experience in a workplace setting in the community.

Cooperative Education courses can be selected in either a 2-credit or 4-credit package depending upon the individual student's timetable and the type of placement and experience desired.

**OYAP**  
**(Ontario Youth Apprenticeship Program)**  
Students in Grade 11 or 12 who are serious in their pursuit of an apprenticeship program in a trade area while at their coop placement may be registered with the Ministry of Training, Colleges and Universities. The OYAP opportunity is designed to help students make a smooth, successful transition into their post secondary education apprenticeship program.

**e-Cooperative Education**  
This 2-credit cooperative education course gives students the opportunity to participate in unique online work experience through the utilization of communication technology. Individuals who choose this mode of cooperative education delivery need to be highly motivated, show

### **WHAT ARE MODIFICATIONS?**

MODIFICATIONS ARE CHANGES TO THE EXPECTATIONS FOR A COURSE IN ORDER TO MEET A STUDENT'S LEARNING NEEDS. SOME STUDENTS, WHO NEED MODIFICATIONS, MAY ALSO NEED ACCOMMODATIONS TO REACH THE EXPECTATIONS OF THAT COURSE.

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**CANDICE GRUBE**



***Candice is completing high school this year and admits that, even though she is excited about going out into the work force, she is also a little nervous.***

***She has always found LDSS very welcoming. She credits the teachers for making school a great experience, especially Mrs. Webster, Mrs. Kaye and her E.A. Mrs. McDonald. Her favourite subject is Drama and enjoyed participating in the Laramie Project.***

***Candice plans to pursue a career in either Child Care or Food Preparation. She enjoys her co-op placement at Livingston Manor Retirement Home and thinks preparing food in a hospital or retirement home would be rewarding.***

***Candice attended Elma Township Elementary School and lives in Atwood with her father and sister. Her dad's work takes him from home frequently and her grandmother has played a major role in her life.***

***"Be yourself and don't change for other people. You will find people who like you just the way you are."***

initiative, be organized, creative and self-directed. Placement hours (approximately 200 hours of work) are completed at a school or home computer – the student does not go to the actual workplace. Examples of possible e-Cooperative Education placements include: translating documents from English to French, web page design and maintenance, research and compilation of data. Students must be currently enrolled in, or have successfully completed, the related senior level course. Students interested in e-Cooperative Education must complete an application form (available in the Student Services office) and undergo a selection interview process. For more information, go to [www.amdec.ca/coop](http://www.amdec.ca/coop).

## ENGLISH

### **ENG1D English, Grade 9, Academic**

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

### **ENG1L English, Grade 9, Locally Developed**

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the Grade 10 LDCC Course. The course is organized into strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

### **ENG1P English, Grade 9, Applied**

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

### **ENG2D English, Grade 10, Academic**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course. *Prerequisite: English, Grade 9, Academic or Applied*

### **ENG2L English, Grade 10, Locally Developed**

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English Grade 11 Workplace Preparation course, or in the English: Contemporary Aboriginal Voices, Grade 11 Workplace Preparation course. The course is organized into strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas. *Prerequisite: A Grade 9 English credit*

### **ENG2P English, Grade 10, Applied**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret text and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course. *Prerequisite: English, Grade 9, Academic or Applied*

### **EMS30 Media Studies, Grade 11, Open**

This course emphasizes knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through analyzing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgment, and skills in viewing, representing, listening, speaking, reading, and writing. *Prerequisite: English, Grade 10, Academic or Applied*

**ENG3C**  
**English,**  
**Grade 11, College Preparation**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course. *Prerequisite: English, Grade 10, Applied*

**ENG3E**  
**English,**  
**Grade 11, Workplace Preparation**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course. *Prerequisite: English, Grade 10, Applied or Grade 10, Locally Developed*

**ENG3U**  
**English,**  
**Grade 11, University Preparation**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course. *Prerequisite: English, Grade 10, Academic*

**ENG4C**  
**English,**  
**Grade 12, College Preparation**

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace. *Prerequisite: English, Grade 11, College Preparation*

**ENG4E**  
**English,**  
**Grade 12, Workplace Preparation**

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyze informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship. *Prerequisite: English, Grade 11, Workplace Preparation*

**ENG4U**  
**English,**  
**Grade 12, University Preparation**

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace. *Prerequisite: English, Grade 11, University Preparation*

**ETS4U**  
**Studies in Literature,**  
**Grade 12, University Preparation**

This course is for students with a special interest in literature and literary criticism. Students will study contemporary works of Children's Literature, such as the Harry Potter novels and media adaptations of classic children's stories and fairy tales. The course may focus on themes, genres, time periods, or countries. Students will analyze a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project. *Prerequisite: English, Grade 11, University Preparation*

**EWC4U**  
**The Writer's Craft,**  
**Grade 12, University Preparation**

This course emphasizes knowledge and skills related to the craft of writing. Students will analyze models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. *Prerequisite: English, Grade 11, University Preparation*

**WHAT'S A TRANSFER COURSE?**

TRANSFER COURSES COVER THE KNOWLEDGE AND SKILLS STUDENTS NEED TO MOVE FROM ONE COURSE TYPE TO ANOTHER. STUDENTS EARN CREDITS FOR COMPLETING TRANSFER COURSES.

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#### WHAT ARE ACCOMMODATIONS?

ACCOMMODATIONS ARE SPECIAL TEACHING STRATEGIES, EQUIPMENT, OR HUMAN SUPPORTS NEEDED TO MAKE SURE A STUDENT LEARNS. ACCOMMODATIONS DO NOT CHANGE THE PROVINCIAL CURRICULUM EXPECTATIONS FOR THE GRADE.



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#### **OLC40** **Ontario Literacy Course,** **Grade 12, Open**

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing. Eligibility requirement: Students who have been eligible to write the OSSLT at least once who have been unsuccessful are eligible to take the course. (Students who have already met the literacy requirement for graduation may be eligible to take the course under special circumstances, at the discretion of the principal.)

Book lists for English courses are available upon request to the principal. Requests for substitution must be made in writing to the principal well in advance of the date the book is to be studied.

#### **ENGLISH AS A SECOND LANGUAGE**

The Avon Maitland District School Board recognizes that secondary ESL students face unique challenges as they pursue their secondary diploma and make the transition to full fluency in English. Students in the early stages of English acquisition may monitor courses or work for partial credits if they are not able to meet the curriculum expectations for a course. Adapted programming helps students achieve credits in courses even if their communication skills are not sufficiently developed to demonstrate their learning. ESL students may also be provided with tutoring to enable them to expand their language skills more rapidly. Avon Maitland District School Board students who take ESL are given the assistance they need to fulfill their long-term goals.

#### **GUIDANCE & CAREER EDUCATION**

#### **GLC20** **Career Studies,** **Grade 10, Open, 0.5 credit**

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

#### **GPP30** **Leadership and Peer Support,** **Grade 11, Open**

This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in leadership and/or peer support roles – for example, as a student council member or a peer tutor. Students will examine group dynamics and learn the value of diversity within groups and communities. *Prerequisite: Career Studies, Grade 10, Open*

#### **HEALTH & PHYSICAL EDUCATION**

#### **PPL10F / PPL10M** **Healthy Active Living Education,** **Grade 9, Open**

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. 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. An optional ski/snowboarding excursion is offered.

#### **PPL20F / PPL20M** **Healthy Active Living Education,** **Grade 10, Open**

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices. An optional ski/snowboarding excursion is offered.

#### **PPL30F / PPL30M** **Healthy Active Living Education,** **Grade 11, Open**

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practice goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety. An optional ski/snowboarding excursion is offered.

**PPZ3OF**  
**Health For Life,**  
**Grade 11, Open**

This course helps students develop a personalized approach to healthy living. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the components of the wellness approach to healthy living – an initiative that promotes healthy eating, an active lifestyle, and a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives. This course will be delivered in a traditional classroom setting.

**PPL4O**  
**Healthy Active Living Education,**  
**Grade 12, Open**

This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others. An optional ski/snowboarding excursion is offered.

**PSE4U**  
**Exercise Science,**  
**Grade 12, University Preparation**

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sports, and the factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation and sports administration. An optional ski/snowboarding excursion is offered. *Prerequisite: Any Grade 11 University or University/College preparation course in Science, or any Grade 11 or 12 open course in Health and Physical Education*

## MATHEMATICS

**MAT1L**  
**Mathematics,**  
**Grade 9, Locally Developed**

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 10 LDCC course. The course is organized in 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.

**MPM1D**  
**Principles of Mathematics,**  
**Grade 9, Academic**

This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

**MFM1P**  
**Foundations of Mathematics,**  
**Grade 9, Applied**

This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**MPM2D**  
**Principles of Mathematics,**  
**Grade 10, Academic**

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite: Grade 9 Mathematics, Academic*

**MAT2L**  
**Mathematics,**  
**Grade 10, Locally Developed**

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 11 Mathematics Workplace Preparation course. The course is organized in three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend 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. *Prerequisite: A Grade 9 Mathematics credit*

### WHAT'S A CREDIT?

A CREDIT IS THE WAY THE MINISTRY OF EDUCATION RECOGNIZES THE SUCCESSFUL COMPLETION OF A COURSE. ONE CREDIT IS GRANTED BASED ON 110 HOURS OF INSTRUCTION. A CREDIT CAN ONLY BE GRANTED BY THE PRINCIPAL OF A SECONDARY SCHOOL.

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**KELSEY FRANK**



**Kelsey Frank came to LDSS from Wallace Public School. After graduating she plans to enroll at an Ontario University with the goal of becoming a Chartered Accountant.**

**Kelsey loves mathematics and she credits Ms. Coxon and Ms. Hugill for sparking her interest in numbers and data. This school year Kelsey is enrolled in co-op and is learning a lot at her placement at Cowan's Country Store. One of the things she has learned is that owning a business can be stressful.**

**Kelsey was no stranger to extra-curricular activities at LDSS. She was a member of the basketball, field hockey and soccer teams.**

**Kelsey's offers the following tips for success in secondary school :**

- **Stay on top of school work-don't let it slide.**
- **Get involved in school extra-curricular activities-it's a great way to meet new people.**

### **MFM2P Foundations of Mathematics, Grade 10, Applied**

This course enables students to consolidate their understanding of linear relations and extend their problem solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisite: Principles of Mathematics, Grade 9, Academic or Foundations of Mathematics, Grade 9, Applied*

### **MBF3C Foundations for College Mathematics, Grade 11, College Preparation**

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; as well as of measurement and geometry, investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analyzing, and evaluating data involving one or two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisite: Foundations of Mathematics, Grade 10, Applied*

### **MCF3M Functions and Applications, Grade 11, University/College Preparation**

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically; graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite: Principles of Mathematics, Grade 10, Academic, or Foundations of Mathematics, Grade 10, Applied*

### **MCR3U Functions, Grade 11, University Preparation**

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *Prerequisite: Principles of Mathematics, Grade 10, Academic*

### **MEL3E Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation**

This course enables students to broaden their understanding of mathematics as it is applied in the work place and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisite: Mathematics, Grade 9, Academic or Foundations of Mathematics, Grade 9, Applied, or ministry-approved locally developed Grade 10 mathematics course*

### **MAP4C Foundations for College Mathematics, Grade 12, College Preparation**

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades. *Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation*

### **MCT4C Mathematics for College Technology, Grade 12, College Preparation**

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs. *Prerequisite: Functions and Applications, Grade 11, University/College Preparation*

### **MCV4U Calculus and Vectors, Grade 12, University Preparation**

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may

choose to pursue careers in fields such as physics and engineering. *Prerequisite/Co-requisite: Advanced Functions must be taken concurrently with or must precede Calculus and Vectors*

#### **MDM4U**

##### **Mathematics of Data Management, Grade 12, University Preparation**

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest. *Prerequisite: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation*

#### **MEL4E**

##### **Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation**

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. *Prerequisite: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation*

#### **MHF4U**

##### **Advanced Functions, Grade 12, University Preparation**

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. *Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation*

## **MODERN LANGUAGES**

#### **FSF1D**

##### **Core French, Grade 9, 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, social 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.

#### **FSF1P**

##### **Core French, Grade 9, Applied**

This course emphasizes the further development of oral communication skills, using the theme of media; the development of oral communication skills will be integrated with the development of reading and writing skills. Students will expand their ability to understand and speak French through conversations, discussions, and presentations. They will also read media-related short stories, articles, songs and write brief descriptions, letters, dialogues and invitations.

#### **FSF2D**

##### **Core French, Grade 10, Academic**

This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing. *Prerequisite: Core French, Grade 9, Academic or Applied*

#### **FSF3U**

##### **Core French, Grade 11, University Preparation**

This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. *Prerequisite: Core French, Grade 10, Academic*

#### **FSF4U**

##### **Core French, Grade 12, University Preparation**

This course draws on a variety of themes to promote extensive development of French-language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course. *Prerequisite: Core French, Grade 11, University Preparation*

#### **LWGBD**

##### **German, Grade 10, Academic**

This course provides students with the language learning experiences that will enable them to communicate in German. Students will continue to develop and apply their speaking skills in a variety

#### **WHAT'S THE OSSLC?**

THE ONTARIO SECONDARY SCHOOL LITERACY COURSE IS AVAILABLE TO STUDENTS WHO ARE UNSUCCESSFUL IN PASSING THE LITERACY TEST. OSSLC CAN COUNT AS GRADE 12 COMPULSORY ENGLISH CREDIT.

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of contexts, and will participate in activities that will improve their reading comprehension and writing skills. They will also continue to explore aspects of the culture of countries where German is spoken by taking part in community-sponsored events and activities involving both print and technological resources. Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple.

**LWGPU  
German,  
Grade 11, University Preparation**

This course offers students opportunities to further develop their knowledge of the German language and to enhance their communication skills. Students will use increasingly sophisticated language in a variety of activities that will enable them to speak and write with clarity and accuracy. Students will also enhance their thinking skills through the critical study of literature, and continue to explore aspects of the culture of countries where the language is spoken through a variety of print and technological resources.  
*Prerequisite: German, Grade 10, Academic*

**LWGDU  
German,  
Grade 12, University Preparation**

This course prepares students for university studies in German. Students will enhance their ability to use the language with clarity and precision, and will develop the language skills needed to engage in sustained conversations and discussions, understand and evaluate information, read diverse materials for both study and pleasure, and write clearly and effectively. Students will also have opportunities to add to their knowledge of the culture of countries where the language is spoken through the use of community resources and computer technology.  
*Prerequisite: German, Grade 11, University Preparation*

ment, 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.

**SNC1P  
Science,  
Grade 9, Applied**

This course enables students to understand basic 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. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

**SNC2D  
Science,  
Grade 10, Academic**

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter.  
*Prerequisite: Science, Grade 9, Academic or Applied*

**SNC2P  
Science,  
Grade 10, Applied**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.  
*Prerequisite: Science, Grade 9, Academic or Applied*

**SBI3C  
Biology,  
Grade 11, College Preparation**

This course focuses on the processes involved in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, anatomy of mammals, and the structure of

**WHAT'S A PREREQUISITE?**

A REQUIRED COURSE THAT A STUDENT NEEDS TO BE SUCCESSFUL IN A LATER COURSE. IN SOME CASES, PREREQUISITES MAY BE WAIVED.

**SCIENCE**

**SNC1D  
Science,  
Grade 9, Academic**

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

**SNC1L  
Science,  
Grade 9, Locally Developed**

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the relationship between science, society, and the environ-



plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields. *Prerequisite: Science, Grade 10, Academic or Applied*

**SBI3U**  
**Biology,**  
**Grade 11, University Preparation**

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity, evolution, genetic processes, the structure and function of animals, and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. *Prerequisite: Science, Grade 10, Academic*

**SCH3U**  
**Chemistry,**  
**Grade 11, University Preparation**

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment. *Prerequisite: Science, Grade 10, Academic*

**SPH3U**  
**Physics,**  
**Grade 11, University Preparation**

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and on the environment. *Prerequisite: Science, Grade 10, Academic*

**SBI4U**  
**Biology,**  
**Grade 12, University Preparation**

This course provides students with the opportunity for in-depth study of the concepts and processes associated with biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on achievement of the detailed knowledge and refinement of skills needed for further study in various branches of the life sciences and related fields. *Prerequisite: Biology, Grade 11, University Preparation; Recommended preparation: SCH3U*

**SCH4C**  
**Chemistry,**  
**Grade 12, College Preparation**

This course introduces students to the concepts that form the basis of modern chemistry. Students will study qualitative analysis, quantitative relationships in chemical reactions, organic chemistry and electrochemistry, and chemistry as it relates to the quality of the environment. Students will employ a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and in the development of new technologies and products. *Prerequisite: Science, Grade 10, Academic or Applied*

**SCH4U**  
**Chemistry,**  
**Grade 12, University Preparation**

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment. *Prerequisite: Chemistry, Grade 11, University Preparation*

**SNC4E**  
**SCIENCE**  
**Grade 12, Workplace Preparation**

This course provides students with fundamental science knowledge and workplace skills needed to prepare them for success beyond secondary school. Students will explore hazards in the workplace, chemicals in consumer products, disease and its prevention, electricity at home and at work, and nutritional science. Emphasis is placed on current topics in science and relevant, practical activities that develop students' literacy and mathematical literacy skills and enhance their scientific literacy. This course is recommended for Grade 11 and 12 workplace students that need a second science credit to meet diploma requirements. This course will be offered every other year beginning in September 2011. *Prerequisite: Science, Grade 10 Applied, or a locally developed compulsory credit in science*

**SPH4C**  
**Physics,**  
**Grade 12, College Preparation**

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts as they relate to mechanical, electrical, fluid (hydraulic and pneumatic), and communications systems, as well as to the operation of commonly used tools and equipment. They will develop scientific-inquiry skills as they verify accepted laws of physics and solve both assigned problems and those emerging from their investigations. Students will consider the impact of technological applications of physics on society and the environment. *Prerequisite: Science, Grade 10, Academic or Applied*

**WHAT ARE CERTIFICATIONS?**

A CERTIFICATION IS GRANTED ONCE A PERSON COMPLETES SPECIAL SKILLS TRAINING NEEDED FOR EMPLOYMENT IN CERTAIN JOBS. EXAMPLE: FORK LIFT CERTIFICATION IS NEEDED BEFORE A PERSON IS PERMITTED TO DRIVE A FORK LIFT.

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**SPH4U  
Physics,  
Grade 12, University Preparation**

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment.

*Prerequisite: Physics, Grade 11, University Preparation*

## SOCIAL SCIENCES & HUMANITIES

**HIF10  
Individual and Family Living,  
Grade 9, Open**

This course explores the challenges faced by all people: how to meet basic needs; how to relate to others; how to manage resources; and how to become responsible members of society. Students will acquire knowledge and skills that are needed to make the transition to adulthood. Teachers will instruct students in developing interpersonal, decision-making, and practical skills related to daily life. Students will explore the functioning of families and the diversities found among families and within society.

**HFN20  
Food and Nutrition,  
Grade 10, Open**

This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition.

**HIP3E  
Managing Personal Resources,  
Grade 11, Workplace Preparation**

This course prepares students for living independently and working successfully with others. Students will learn to manage their personal resources (including talent, money, and time), to develop interpersonal skills, and to understand economic influences on workplace issues, in order to make wise and responsible personal and occupational choices. The course emphasizes the achievement of expectations through practical experiences and introduces students to skills used in researching and investigating resource management.

**HNC30  
Fashion and Creative Expression,  
Grade 11, Open**

This course explores what clothing communicates about the wearer and how it becomes a creative

and entrepreneurial outlet through the design and production processes. Students will learn, through practical experiences, about the nature of fashion design; the characteristics of fibres and fabrics; the construction, production, and marketing of clothing; and how to plan and care for a wardrobe that is appropriate for an individual's appearance, activities, employment, and lifestyle. Students will develop research skills as they explore the evolution of fashion and its relationship to society, culture, and individual psychology.

**HPC30  
Parenting,  
Grade 11, Open**

This course focuses on the skills and knowledge needed to promote the positive and healthy nurturing of children, with particular emphasis on the critical importance of the early years to human development. Students will learn how to meet the developmental needs of young children, communicate and discipline effectively, and guide early behaviour. They will have practical experiences with infants, toddlers, and pre-schoolers, and will learn skills in researching and investigating questions relating to parenting.

**HPW3C  
Living and Working with Children,  
Grade 11, College Preparation**

This course focuses on the well-being of children in families and community settings. Students will study child behaviour and child development in the context of relationships with parents and others in the community, and will learn through research and by observing and interacting with children. This course prepares students for further study of children, familiarizes them with occupational opportunities related to working with children, and introduces them to skills used in researching and investigating children's behaviour in response to others.

**HSP3M  
Introduction to Anthropology,  
Psychology, and Sociology,  
Grade 11, University/College Preparation**  
This course introduces the theories, questions, and issues that are the major concerns of anthropology, psychology, and sociology. Students will develop an understanding of the way social scientists approach the topics they study and the research methods they employ. Students will be given opportunities to explore theories from a variety of perspectives and to become familiar with current thinking on a range of issues that have captured the interest of classical and contemporary social scientists in the three disciplines.

**HFA4M  
Food and Nutrition Sciences,  
Grade 12, University/College Preparation**

This course examines various nutritional, psychological, social, cultural, and global factors that influence people's food choices and customs. Students will learn about current Canadian and worldwide issues related to food, frameworks for making appropriate dietary choices, and food-preparation techniques. This course also refines students' skills used in researching and investigating issues related to food and nutrition.  
*Prerequisite: Any University, University/College,*



or College Preparation course in Social Sciences and Humanities, English, or Canadian and World Studies. Recommended Preparation: HFN20, Grade 10 Foods and Nutrition

#### HHG4M

##### **Issues in Human Growth and Development, Grade 12, University/College Preparation**

This course offers a multi-disciplinary approach to the study of human development throughout the life cycle, with particular emphasis on enhancing growth and development. Students will examine how early brain and child development are linked to lifelong learning, health, and well-being, and will develop child-care and human-relationship skills through practical experience in a community setting. This course also refines students' skills used in researching and investigating issues related to human growth and development.

*Prerequisite: Any university, university/college, or college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.*

#### HSB4M

##### **Challenge and Change in Society, Grade 12, University/College Preparation**

This course examines the theories and methodologies used in anthropology, psychology, and sociology to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will analyze cultural, social, and biological patterns in human societies, looking at the ways in which those patterns change over time. Students will also explore the ideas of classical and contemporary social theorists, and will apply those ideas to the analysis of contemporary trends. *Prerequisite: Any university, university/college, or college preparation course in social sciences and humanities, English, or Canadian and world studies. Suggested co-requisite course: Introduction to Anthropology, Psychology, and Sociology*

#### HZT4U

##### **Philosophy: Questions and Theories, Grade 12, University Preparation**

This course addresses three of the main areas of philosophy: metaphysics, logic, epistemology, ethics, social and political philosophy, and aesthetics. Students will learn critical thinking skills, the main ideas expressed by philosophers from a variety of the world's traditions, how to develop and explain their own philosophical ideas, and how to apply those ideas to contemporary social issues and personal experiences. The course will also help students refine skills used in researching and investigating topics in philosophy. *Prerequisite: Any University or University/College preparation course in Social Sciences and Humanities, English, or Canadian and World Studies*

#### NDA 3M

##### **Current Aboriginal Issues in Canada, Grade 11, University/College Preparation**

This course focuses on existing and emerging issues of importance to Aboriginal peoples in Canada. Students will investigate issues related to identity, relationships among Aboriginal peoples and between Aboriginal peoples and other

Canadians, sovereignty principles as presented by Aboriginal peoples, and the contemporary challenges posed by these issues. Students will also examine such topics as language preservation, the responsibilities of Aboriginal women and men, and the need for dialogue between Aboriginal and non-Aboriginal peoples. *Prerequisite: Canadian History in the Twentieth Century, Grade 10, Academic or Applied*

#### NDW4M

##### **Issues of Indigenous People in a Global Context, Grade 12, University/College Preparation**

This course provides students with an overview of the issues and challenges that confront indigenous peoples worldwide. Students will develop an understanding of the concerns and aspirations of the world's indigenous population, plan and conduct research on global issues that have an impact on indigenous peoples, and use information technology to consult materials related to the views of indigenous peoples throughout the world. *Prerequisite: Any Grade 11 university, university/college, or college preparation course in Native studies.*

## SPECIAL EDUCATION

### **LIFE SKILLS/DEVELOPMENTAL EDUCATION PROGRAM**

This program is designed to prepare students for adult living, by providing continuous opportunities to develop life, employment and leisure skills.

Program objectives are:

- to help each student develop to the maximum of his/her potential as an individual and member of society;
- to facilitate the intellectual, social, moral, physical, and emotional growth of each student;
- to help each student further develop his/her knowledge, skills and aptitudes;
- to encourage the vital qualities of intellectual curiosity and imagination; and
- to encourage students to take pride in their personal efforts, recognize the value of work, and experience success.

Successful completion of the program entitles the student to a Ministry of Education Certificate of Accomplishment

### **DESTINATIONS PROGRAM**

The Destinations program is designed for students who have significant difficulties meeting the academic demands of a regular secondary school curriculum. Through instruction geared to developing personal life management and independent living skills, along with exposure to a variety of work experience and Co-operative Education placements, students develop practical skills that will prepare them for work and life after secondary school. The goal is to work towards personal maturity and employment. Courses may include, but are not limited to, Computer Studies, Drama, English, Exploring the World of Work, Food and Nutrition, Mathematics, Music, Physical Education, Science, Technological Studies, and/or Visual Arts. Although students have the opportunity to earn limited credits,

### **WHAT IS ACADEMIC HONESTY?**

PLAGIARISM, OR USING SOMEONE ELSE'S IDEAS, IS A FORM OF FRAUD. STUDENTS WILL BE TAUGHT HOW TO MAKE SURE THAT WORK SUBMITTED IS HONEST AND REFLECTS THEIR BEST EFFORTS AND LEARNING. WHEN IT IS CLEAR THAT A STUDENT HAS NOT BEEN ACADEMICALLY HONEST, SCHOOL ADMINISTRATION WILL CONSIDER SUITABLE DISCIPLINE, RANGING FROM PARENTAL INVOLVEMENT TO THE POSSIBILITY OF AN ACADEMIC DISCIPLINARY HEARING.

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## WHAT IS A SPECIALIST HIGH SKILLS MAJOR (SHSM)?

SHSMs ARE SPECIALLY DESIGNED PROGRAMS THAT ALLOW STUDENTS TO CUSTOMIZE THEIR SECONDARY SCHOOL PROGRAM BASED ON THEIR INTERESTS AND TALENTS. THESE PROGRAMS PROVIDE THE KNOWLEDGE AND SKILLS STUDENTS NEED TO BE SUCCESSFUL IN ANY PATHWAY: APPRENTICESHIP, COLLEGE, UNIVERSITY AND THE WORLD OF WORK. FOCUS CREDITS, CERTIFICATIONS, WORK EXPERIENCES AND ESSENTIAL WORK SKILLS OF THE SHSM PREPARE STUDENTS FOR FURTHER EDUCATION OR EMPLOYMENT IN A PARTICULAR SECTOR OF THE ECONOMY.

successful completion of the program entitles the student to a Ministry of Education Certificate of Accomplishment.

### RESOURCE PROGRAM

The major emphasis of the L.D.S.S. Resource Program is to provide students who are identified by the Identification, Placement and Review Committee (IPRC) as exceptional with an opportunity for assistance both individually and in small group instruction. Identified students may request enrolment in a Resource class. The L.D.S.S. Resource Program also provides all identified students with support during testing and evaluations. Students receiving testing accommodations and writing tests in the Resource Room are required to sign up in advance to ensure that appropriate arrangements are made. The progress of all identified students is monitored and reported periodically by the Special Education Resource Teacher to determine any additional assistance the student may require.

### LEARNING STRATEGIES COURSE

The Learning Strategies and Advanced Learning Strategies courses are available to students who are identified by the Identification, Placement and Review Committee as exceptional students. Learning Strategies courses are full credit courses designed to improve literacy and reading skills, study skills, organizational skills, and personal management skills. This course is appropriate for students who are capable of handling a full timetable, but require support to achieve success.

### GLE10 and GLE 20 Learning Strategies: Skills for Success in Secondary School, Grade 9 and 10, Open

These courses focus on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeric skills, personal management skills, and interpersonal and teamwork skills to improve their learning and resources to support their achievement in school, the workplace, post-secondary employment, and the community. The course training, and/or education helps students build confidence and choices and develop a plan to motivation to pursue opportunities help them meet their learning for success in secondary school and beyond.

*Prerequisite: Recommendation of Principal*

### GLE30 and GLE40 Advanced Learning Strategies: Skills for Success After Secondary School, Grade 11 and 12, Open

These courses improve students' learning and personal management skills, preparing them to make successful transitions to work, training, and/or post-secondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals. *Prerequisite: Recommendation of Principal*

### Non-Credit Resource Period

Students who are identified by the Identification, Placement and Review Committee as exceptional students, or students on an Individual Education Plan may request enrolment in a resource period. This is a non-credit course that allows maximum time for homework assistance and is appropriate for students who require a reduced timetable and are unable to succeed in their other courses without support.

## TECHNOLOGICAL EDUCATION

### Specialist High Skills Major Program

LDSS offers a Specialist High Skills Major in Construction and Manufacturing Technology. This is a specialized program that allows the student to focus on knowledge and skills that are of particular importance in these sectors, and to obtain certifications recognized in the particular sector, as they work towards meeting the requirements for an OSSD. Students will graduate with a Specialist High Skills Major designation on their diploma. For more information contact the LDSS Technology Department.

### TEJ10 Exploring Computer Technology, Grade 9, Open

This course has an emphasis on hands on activities involving computer hardware and electronic circuits. This course introduces students to concepts and skills in computer technology, which encompasses computer systems, networking, interfacing, and programming, as well as electronics and robotics. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

### TIJ10 Exploring Technologies, 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.

### TCJ20 Construction Technology, Grade 10, Open

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop



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an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.

**TDJ20**  
**Technological Design,**  
**Grade 10, Open**

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and learn about secondary and postsecondary education and training leading to careers in the field

**TEJ20**  
**Computer Technology,**  
**Grade 10, Open**

This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of environmental and societal issues related to the use of computers, and learn about secondary and postsecondary pathways to careers in computer technology.

**TGJ20**  
**Communications Technology,**  
**Grade 10, Open**

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

**TMJ20**  
**Manufacturing Technology,**  
**Grade 10, Open**

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to

manufacturing and will learn about secondary and postsecondary pathways leading to careers in the industry.

**TTJ20**  
**Transportation Technology,**  
**Grade 10, Open**

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and postsecondary pathways leading to careers in transportation.

## COMPUTER ENGINEERING TECHNOLOGY

**TEJ3M**  
**Computer Engineering Technology,**  
**Grade 11, University/College Preparation**

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about college and university programs leading to careers in computer engineering.

**TEJ4M**  
**Computer Engineering Technology:**  
**Electronics, Robotics**  
**Grade 12, University/College Preparation**

This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine environmental and societal issues related to the use of computers, and explore postsecondary pathways leading to careers in computer engineering and related fields.  
*Prerequisite: Computer Engineering Technology, Grade 11, University/College Preparation*

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**CURTIS MCKINNON**



*If you stop into the LDSS Library in the mornings you will be greeted by the friendly face of Curtis McKinnon, a student assistant. Curtis is in his fifth year of secondary school. He enjoys working in the library because he gets to meet and work with lots of different people. As a part of his responsibilities in the library Curtis has also had the opportunity to work with computers. This fits in well as Curtis plans to attend college to pursue a career in the computer field. He has a special interest e-business.*

*Curtis came to LDSS from Grey Central Public School. He lives in Ethel with his mother, twin brother and their dog Rambo. Curtis enjoys being a student at LDSS because "the teachers are great and there is a fine community of students here that are accepting of each other differences. When I walk in the door I feel like I belong here."*

*His advice for future students-"Don't mention the name Justin Bieber."*

## CONSTRUCTION TECHNOLOGY

Two-credit packages will be offered in the following combinations:

- **Grade 11: TCJ 3E (Construction) and TWJ3E(Woodworking)**
- **Grade 12: TCJ 4E(Construction) and TWJ4E(Woodworking)**

The following will be offered as one-credit courses:

- **Grade 11: TCE 3E(Electricity)**
- **Grade 12: TCE 4E(Electricity)**

### TCJ3E Construction Technology, Grade 11, Workplace Preparation

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore postsecondary and career opportunities in the field.

### TCE3E Construction Technology, Electricity Grade 11, Workplace Preparation

This course has an emphasis on electrical wiring in residential homes. This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore postsecondary and career opportunities in the field.

### TWJ 3E Custom Woodworking Grade 11, Workplace

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

### TCJ 4E Construction Technology, Grade 12, Workplace Preparation

This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology and explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation. *Prerequisite: Construction Technology, Grade 11, Workplace Preparation*

### TCE 4E Construction Technology, Electricity, Grade 12, Workplace Preparation

This course will have an emphasis on industrial wiring. This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology and explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation. *Prerequisite: Construction Technology, Grade 11, Workplace Preparation*

### TWJ 4E Custom Woodworking, Workplace Preparation

This course enables students to further develop knowledge and skills related to the planning, design, and construction of cabinets and furniture for residential and/or commercial projects. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation. *Prerequisite: Custom Woodworking, Grade 11, Workplace Preparation*

## COMMUNICATIONS TECHNOLOGY

### TGV3M

#### Communications Technology: TV, Video and Movie Production

Grade 11, University/College Preparation

This course will have an emphasis on the creation of video projects. This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

### TGV4M

#### Communications Technology: TV, Video and Movie Production, Grade 12, University/College Preparation

This course will emphasize the creation of movie projects. This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology and will investigate career opportunities and challenges in a rapidly changing technological environment.  
*Prerequisite: Communications Technology, Grade 11, University/College Preparation*

## MANUFACTURING TECHNOLOGY

### TMP3C

#### Manufacturing Technology (Machine Shop), Grade 11, College Preparation

The emphasis on this course is machining practices and use of tools i.e. lathes, milling machines etc. This course enables students to develop knowledge and skills through hands-on, project based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

### TMP4C

#### Manufacturing Technology (Machine Shop), Grade 12, College Preparation

The emphasis on this course will be machining practices and use of tools i.e. lathes, milling machines etc. This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC) robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.  
*Prerequisite: Manufacturing Technology, Grade 11, College Preparation*

**Note:** Students should have a grade 11 course in Machining to be successful in this course. If a student does not have a grade 11 machining course they must speak with the Technical Director.

### TMY3C

#### Manufacturing Technology (Welding), Grade 11, College Preparation

This course will emphasize welding practices and project manufacturing. This course enables students to develop knowledge and skills through hands-on, project based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipments such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

### TMY4C

#### Manufacturing Technology (Welding), Grade 12, College Preparation

This course will emphasize welding practices and project manufacturing. The emphasis on this course will be machining practices and use of tools i.e. lathes, milling machines etc. This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control(CNC) robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.  
*Prerequisite: Manufacturing Technology, Grade 11, College Preparation*  
**Note:** Students should have a Grade 11 Course in Welding to be successful in this course. Students that do not have a grade 11 course in Welding must meet with the Technical Director.

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# TECHNOLOGICAL DESIGN

## TDA3M

### Technological Design: Architectural Design

#### Grade 11, University/College Preparation

This course will emphasize architectural design and model building. This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design and will explore career opportunities in the field, as well as the college and/or university program requirements for them.

## TDM3M

### Technological Design:

#### Mechanical and Industrial Design,

#### Grade 11, University/College Preparation

This course will emphasize mechanical design and prototype building. This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design and will explore career opportunities in the field, as well as the college and/or university program requirements for them.

## TDA4M

### Technological Design : Architectural Design, Grade 12, University/College Preparation

The emphasis in this course will be on Architectural design. This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem solving and communication skills, and explore career opportunities and the postsecondary education and training requirements for them. *Prerequisite: Technological Design: Grade 11, University/College Preparation*

## TDM4M

### Technological Design: Mechanical and Industrial Design, Grade 12, University/College Preparation

This course will emphasize mechanical design. This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem solving and communication skills, and explore career opportunities and the postsecondary education and training requirements for them. *Prerequisite: Technological Design, Grade 11, University/College Preparation*

# TRANSPORTATION TECHNOLOGY

## TTJ30F

### Transportation Technology: Vehicle Ownership, Grade 11, Open

This course is designed for the female student that is interested in learning the fundamentals of vehicle purchasing, ownership and maintenance. This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry.

## TTJ30M

### Transportation Technology: Vehicle Ownership, Grade 11, Open

This course is designed for the male student that is interested in learning the fundamentals of vehicle purchasing, ownership and maintenance. This

general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry.

## TTJ3C

### Transportation Technology, Grade 11, College Preparation, 2 credits

This course is designed for the student wishing to explore the apprenticeship and college opportunities of Automotive Technology. This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

## TTJ4C

### Transportation Technology, Grade 12, College Preparation, 2 credits

This course is designed for the student that is focused on apprenticing as an Automotive Service Technician or enrolling in a Motive Power college program. This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; power trains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry. *Prerequisite: Transportation Technology, College Preparation, Grade 11*



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