

LAKES DISTRICT SECONDARY SCHOOL



COURSE SELECTION GUIDE GRADES 10-12 2023-2024

INFORMATION FOR PARENTS

- The school calendar is maintained electronically on our website: ldss.sd91.bc.ca.
- The newsletter is published bi-weekly through email. If you would like to be on the email list, please contact the office.
- Concession cards can be purchased in the main office as well, the school accepts cash or cheques made out to School District 91.
- The Parent Advisory Committee welcomes new members, feel free to contact the office for the current PAC contact information. They also have a Facebook page they can be contacted through.

TIMETABLE

At LDSS we are on a semester timetable, which means that the school year is divided in half. With a few exceptions, each student takes a total of four courses each semester.

Courses offered at LDSS are based on student requests and staffing availability. If a course does not have enough interest it will not be offered.

Students are strongly encouraged to select their courses with consideration towards their future plans and interests.

Students will NOT be permitted to make changes to their course requests unless one of the following conditions apply:

- To meet graduation requirements
- Program requirements for post-secondary institutes requires a change in course(s)
- To balance academic course load

LAKES LEARNING CENTRE (LLC)

- Is an alternate program designed for students in grades 10 to 12.
- Focuses on the educational, social, and emotional issues for students whose needs are not being met in a traditional school program.
- Offers the same core courses as LDSS but are mostly completed through modularized programs in an informal, friendly, and flexible learning environment.
- To enroll in the Lakes Learning Centre you must:
 - Complete an intake process to facilitate district referrals or self-referral.
 - Have an exit strategy to facilitate a transition back into regular school system, continuing education centre, graduation, or to work or post-secondary training and education.
 - Participate in additional services required by the student population (i.e., youth workers, drug and alcohol counsellors and/or sessions, etc....)

INDIVIDUAL LEARNING PLAN

Learners with an IEP:

If your student has an Individual Education Plan (IEP) you are encouraged to contact our Inclusive Education Department. These services support students with:

- A learning disability
- Behavioural challenges
- Medical conditions
- Cognitive challenges

The goal is to support learners to access curriculum and to engage in school programs and activities.

Contact Stacie Gray at sgray@sd91.bc.ca

EBUS COURSES

EBUS courses (distance education) are available to students that have scheduling difficulties or want to take a course that is not offered at LDSS. Students in Grades 10-12 are permitted (with school approval) to take **one** Distance Learning support block per year (See attached list of available EBUS courses) in a schedule reflecting at least 7 LDSS courses.

SPECIAL NOTES

Required Courses: Courses that must be taken by all students.

Electives: Courses that students may choose to take considering their qualifying options and future goals.

Prerequisite: A course that must be taken before the next course in sequence (Example: English 10 is a prerequisite for English 11).

Recommendation: A recommendation that a student has passed the prerequisite with a minimum percent.

Course Load: Students are required to take full course loads in Grades 8, 9, 10 and 11. A student in Grade 12 may take one study block.

Study (spare): Grade 12 students may elect to take one study. The study block will only be granted if the student is in a position to graduate with the required courses.

POST-SECONDARY PLANNING

It is important to begin considering your “after high-school” plans in grade 10. Graduates have many post-secondary options, ranging from entering the work force, trades or technology programs or college or university courses. Having some ideas about your future plans, even though they might change, will help you select the right courses. It is important to take into consideration the wide variety of choices you will have, as well as the entrance requirements of programs you might apply for after high school. Do not plan for the minimum that is required. By taking a wide variety of courses during your years at LDSS, you will ensure that you are ready for whatever career path you choose.

Helpful Websites for Post-Secondary Planning:

www.educationplanner.bc.ca

www.schoolfinder.com

www.postsecondary.bc.ca

COUNSELLING SERVICES AT LDSS

The counselling offices are located next to the main office. Students are encouraged to stop by anytime to see either Mrs. Dezamits or Mrs. Brown. They can support you academically and personally.

Counsellors organize liaison visits between students and post-secondary representatives and assist students with applications for financial aid (loans, scholarships, bursaries), and post-secondary education. They counsel students regarding such things as academic progress, attendance, and behavior. They will assist you in selecting appropriate courses and offer career counselling.

The counsellors are always available for personal counselling, and they are prepared to help students in resolving special problems (i.e.-with teachers, family, peers, self) and in developing skills in making personal decisions, and in realizing potential. The counsellors will also help find additional support with outside agencies (counsellors, health nurse, addiction support, Doctor appointments).

INDIGENOUS STUDENT ADVOCATES

Indigenous home school coordinators are proactive members of the school staff who support the educational program and services of Indigenous students and assist teachers and parents/guardians to increase and promote student success by advocating for students and the school. They act as a positive Indigenous role model for students and promote pride in Indigenous culture. They function as a member of the school-based team and participate in team meetings regarding progress and placement of students. They also work and consult with teachers and parents to discuss the social, emotional and academic progress of all Indigenous students on a regular basis.

GRADUATION PROGRAM REQUIREMENTS BC DOGWOOD

You must earn 80 credits: 52 credits from required courses.

28 credits from electives.

Included in the 80 credits, 16 must be at the grade 12 level.

Subject Area	Grade	Course	Credits	Final Mark
Language Arts	10		4	
Eng FP 11*	11		4	
Language Arts	12		4	
Mathematics	10		4	
Mathematics	11		4	
Social Studies	10		4	
Social Studies	11 or 12		4	
Science	10		4	
Science	11 or 12		4	
PE and Health	10		4	
Career Life Education	10		4	
Career Life Connections	12		4	
(Any) Arts or ADST	10 - 12		4	
Elective	12		4	
Elective	12		4	
Elective	12		4	
Elective	10 - 12		4	
Elective	10 - 12		4	
Elective	10 - 12		4	
Elective	10 - 12		4	
Grade 10 Numeracy Assessment				
Grade 10 Literacy Assessment				
Grade 12 Literacy Assessment				

*This course satisfies the grad requirement of one Indigenous focused course.

ADULT DOGWOOD – 20 CREDITS AFTER AGE 18

Subject Area	Grade	Course	Credits	Final Mark
Language Arts	12		4	
Mathematics	11		4	
Elective	12		4	
Elective	12		4	
Elective	12		4	

EVERGREEN SCHOOL COMPLETION CERTIFICATE

Student must meet the goals of the Individual Education Plan (IEP) in their grade 12 year.
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ENGLISH LANGUAGE ARTS

Big Ideas Include:

- The exploration of text and story deepens our understanding of diverse, complex ideas about identity, others, and the world.
- People understand text differently depending on their worldviews and perspectives.
- Texts are socially, culturally, geographically, and historically constructed.
- Language shapes ideas and influences others.
- Questioning what we hear, read, and view contributes to our ability to be educated and engaged citizens.

Required courses for a Dogwood Diploma that we offer:

- ✓ Creative Writing/Composition 10
- ✓ English First Peoples 11*
- ✓ English Studies 12

*Currently satisfies the graduation requirement

Creative Writing and Composition 10 (meets English 10 requirement) 4 credits

- Intended for students who want to expand and improve their writing experience.
- Students will read and study compositions by other writers and consider a variety of styles as models for the development of their writing.
- Students will use writing and design processes to plan, develop, and create engaging and meaningful texts for a variety of purposes and audiences.

English First Peoples 11 (meets English 11 and Indigenous Focused requirement) 4 credits

Pre-requisite: Any English 10 course

- EFP 11 is intended for both Indigenous and non-Indigenous students interested in engaging with culturally based literature and improving their writing skills.
- Represents authentic First Peoples voices exploring worldviews and principles of learning through varied experiences, values, beliefs and connections to land and place, through both local and international perspectives.
- Explore various texts and genres, including oral story, speech, poetry, dramatic works, film, and prose (both fiction and non-fiction).
- Develop creative and analytical writing skills based on common themes explored.

English Studies 12 (meets English 12 requirement) 4 credits

Pre-requisite: Any English 11 course

- Students will continue to explore various texts and genres, including oral story, speech, poetry, dramatic works, film, and prose (both fiction and non-fiction).
- Students will continue to develop creative and analytical writing skills based on common themes explored in class

SOCIAL STUDIES

Big Ideas for Social Studies include:

- Contacts and conflicts between stimulated significant cultural, social, and political change.
- Human and environmental factors shape changes in population and living standards.
- Exploration, expansion, and colonization had varying consequences for different groups.
- Changing ideas about the world created tension between people wanting to adopt new ideas and those wanting to preserve established traditions.

Required courses for a Dogwood Diploma:

- ✓ Social Studies 10
- ✓ Social Studies 11 or Comparative Civilizations 11 or History 12 or Genocide 12

Social Studies 10

(required) 4 credits

Topics include:

- Exploring the history of Canada and the world from 1914 to the present.
- The structure of Canadian government; Canadian issues on an international stage.
- Historical and contemporary issues experienced by members in our society.
- Conflicts that have shaped our identity as Canadians.
- Differing perspectives and ideas about what it means to be a part of Canadian society.
- Human and physical geography which focus on Canadian environment.
- The current state of the world through media studies.

Skills such as:

- Analysis, critical thinking, research, and writing.

Explorations in Social Studies 11

(meets requirement for Socials 11 or 12) 4 credits

Pre-requisite: Social Studies 10

In this elective course, students will explore a number of topics from a variety of selected Grade 12 social studies courses such as, to name a few.

Topics could include:

- The development of cultures, societies, ideas, and political systems.
- Events in the 20th and 21st centuries.
- Human & physical geography; history, law, social justice, and philosophy.

Comparative Cultures 12 (meets requirement for Socials 11 or 12) 4 credits

Pre-requisite: Social Studies 10

Comparative Cultures 12 focuses on:

The interrelationships among art, history, culture, and civilization with an emphasis on inquiry-based learning and “hands-on” activities. This broad-based course provides students with a range of experiences and skills that facilitate their understanding of, and sensitivity to, a variety of cultures. It fosters students' awareness of various civilizations (Egypt, Mesopotamia, Ancient Greece, Rome, China, India, etc.) throughout the world and their contributions to the sum of human experience. Finally, students will develop an appreciation for diversity within and among cultures, including their own.

World History 12 (meets requirement for Socials 11 or 12) 4 credits

Pre-requisite: Social Studies 10

- This course is highly interactive, putting a premium on classroom participation, debate, and critical responses to various texts and media.
- The course moves chronologically from World War One, World War Two and the Cold War through to the collapse of the USSR (but extends to modern issues of the 21st century as well).
- Finally, students will research a topic of their own choosing to produce an original thesis for their research essay in APA style.

Genocide 12 (meets requirement for Socials 11 or 12) 4 credits

Pre-requisite: Social Studies 10

- Genocide 12 examines the political, legal, social, and cultural ramifications of the intentional destruction of peoples while recognizing that this process is not inevitable, and attempts can be disrupted and resisted. Various case studies from around the globe and through modern history will help extend and clarify this challenging topic.

Law Studies 12 (meets requirements for Socials 11 or 12 credit) 4 credits

Students will spend time learning about Canadian law (federal and provincial), looking at the Canadian Charter of Rights and Freedoms, criminal law, civil law, and family law. The course also gives students the opportunity to explore a topic of their choice through inquiry of one of the following: international law, human rights law, youth and the law, labor law, or environmental law.

Some key areas of focus are:

- Understanding legal rights and responsibilities; Laws help us understand how things are now.
- Laws can be a force of change (fighting for rights and freedoms).
- Understanding how laws and legal framework affect our daily lives.
- Laws evolve and can change over time to match society's values and worldviews.
- Differences of law in other parts of the world and looking at other countries or places.

MATH COURSES

Required courses for a Dogwood Diploma:

- ✓ Workplace 10 or FMP (Foundations and Pre-Calculus) 10
- ✓ Workplace 11 or Foundations 11 or Pre-Calculus 11

Workplace Path: Fulfills requirements for:

- ✓ Dogwood Diploma
- ✓ Trades programs
- ✓ Some college and university programs

Foundations Path: Fulfills requirements for:

- ✓ Dogwood Diploma
- ✓ University entrance to Humanities, Arts, and some Sciences (such as Nursing, X-Ray)
- ✓ College programs

Pre-Calculus Path: fulfills requirements for highly specialized programs such as:

- ✓ Engineering
- ✓ Medicine
- ✓ Commerce

Workplace Math 10 (meets Math 10 requirement) 4 credits

Pre-requisite: Completion of Math 9

Topics Include:

- Graphing, trigonometry, angles
- Measurement and conversions
- Surface area and volume
- Statistics and financial literacy

FMP (Foundations of Math and Pre-Calculus) 10 (meets Math 10 requirement) 4 credits

Pre-requisite: C+ or better in Math 9

Topics Include:

- Exponents
- Graphing linear functions and solving linear systems of equations
- Multiplying and factoring polynomials
- Trigonometry, probability, financial literacy

This course moves quickly and requires proficient skills from Math 9. Students who do not meet the pre-requisite need to confirm a plan to strengthen their skills before taking this course.

Workplace Math 11 (meets Math 11 requirement) 4 credits

Pre-requisite: Completion of Workplace 10 or FMP 10

Topics include:

- Understanding and applying the metric and imperial systems of measurement to 2-D and 3-D objects
- Geometry and trigonometry
- Financial literacy: income, spending, and debt

Foundations of Math 11 (meets Math 11 requirement) 4 credits

Pre-requisite: Minimum 67% in FMP 10

Topics include:

- Geometry (angle, triangle, polygon properties)
- Simple trigonometry for non-right triangles (laws of sine and cosine)
- Basic statistical analysis
- Working with quadratic functions to model data and patterns
- Using inequalities to solve problems
- Rate, scale, and logic

Pre-Calculus 11 (meets Math 11 requirement) 4 credits

Pre-requisite: Minimum 73% in FMP 10

This is a highly specialized course.

Topics include:

- Working with quadratic functions; Solving quadratic equations.
- Trigonometry involving angles from 0 to 360 degrees.
- Operations with radical and rational expressions.
- Absolute value, linear and quadratic systems of equations.

Foundations of Math 12 (elective) 4 credits

Pre-requisite: Minimum 67% in Foundations 11

Topics include:

- Finance (lending and borrowing)
- Basic set theory (organizing information using special math notations)
- Counting methods (calculating permutations and combinations)
- Probability (calculating probability and odds of events)
- Modelling data

Pre-Calculus 12 (may be offered as a video course) 4 credits

Pre-requisite: Minimum 73% in Pre-Calc 11 **This is a highly specialized course**

Topics include:

- Trigonometry
- Functions
- Permutations, combinations, binomial theorem

Calculus 12 (offered as a video course) 4 credits

Pre-requisite: Minimum 73% in Pre-Calc 12 **This is a highly specialized course**

Topics include:

- Limits and definition of derivatives
- Integral techniques and application

SCIENCE COURSES

Required courses for a Dogwood Diploma:

- ✓ Science 10
- ✓ Any Science 11 or 12 from below

Science 10

(required) 4 credits

This course develops four main areas of understanding:

- DNA, genes and chromosomes, patterns of inheritance, genetics, and its applications.
- Rearrangement of atoms and energy changes during chemical reactions, chemistry of acids and bases and practical applications of chemical reactions.
- Transformation of potential and kinetic energy and the impacts these have on the environment, nuclear energy and radiation and their applications.
- Formation of the universe and how the universe is changing over time, including big bang theory and methods used in Astronomy to understand the universe.

~~Chemistry 11~~

~~(meets grade 11 or 12 science requirement) 4 credits~~

Pre-requisites: Minimum 65% in Science 10 and Foundations of Math and Pre-Calculus 10

This course builds a basic understanding of chemical reactions:

- Structure of atoms, ions, and molecules, and how and why they interact.
- Conservation of matter/energy in chemical reactions; solubility of compounds.
- Concept of the mole, and application of math to the analysis of chemical reactions.
- Organic chemistry and its applications, as well as its effects on human health and the environment.

CHEMISTRY 11 WILL NOT BE OFFERED THIS COMING YEAR. THE NEXT TIME WILL BE 2024-2025

~~Chemistry 12~~

~~(meets grade 11 or 12 science requirement) 4 credits~~

Pre-requisites: Chemistry 11

This course continues from Chemistry 11 and further develops the understanding of chemical reactions:

- Reactants must collide to react, and the rate of reaction depends on several conditions.
- How reactions in equilibrium can be shifted by changing the conditions.
- The behavior of saturated solutions in equilibrium.
- The chemistry of acids and bases.
- Oxidation-reduction reactions and their applications, such as electrochemical cells.
- Further development of mathematical and laboratory analysis.

CHEMISTRY 12 WILL NOT BE OFFERED THIS COMING YEAR. THE NEXT TIME WILL BE 2024-2025

Earth Science 11	(meets grade 11 or 12 science requirement) 4 credits
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Pre-requisite: Science 10

This course builds an understanding of:

- Earth materials, rocks and minerals, geological time, weathering and erosion, glaciers, resources and mining, and environmental problems.
- Plate tectonic theory, earthquakes, and volcanoes.
- Atmospheric science and climate (atmosphere, weather, wind, and hydrologic cycle).
- Oceanography (oceans, currents, waves), lakes and streams and environmental systems and concerns.
- Space and astronomy.

Life Sciences 11	(meets grade 11 or 12 science requirement) 4 credits
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Pre-requisite: Minimum 65% in Science 10

This course builds an understanding of:

- Cell structure and function; asexual and sexual reproduction.
- Viruses.
- Process of evolution, including changes in DNA, natural selection, and formation of new species.
- Artificial selection and genetic modification.
- Levels of complexity in living organisms, from single celled forms to multicellular forms.
- Trends in complexity among life forms, and how they are related in evolution.
- How living things are classified.
- Many of these concepts will be explored and tested in lab activities.

Physics 11	(meets grade 11 or 12 science requirement) 4 credits
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Pre-requisite: Minimum 65% in Science 10 and Foundations of Math and Pre-Calculus 10

This course builds an understanding of:

- Scalar quantities (where direction does not matter) and vector quantities (where it does matter).
- The motion of objects, including projectiles; forces that can cause changes in motion.
- Newton's Laws of motion.
- Simple machines; electric circuits; thermal equilibrium.
- Properties of waves and characteristics of sound.
- Graphing methods in physics.

Students not meeting the prerequisite need to confirm a plan to strengthen their skills before taking this course.

Physics 12**(elective) 4 credits**

Pre-requisite: Minimum 65% in Physics 11 and Foundations 11

This course builds an understanding of

- Frames of reference and relative motion; uniform circular motion.
- Gravitational fields and gravitational potential energy.
- Electric fields; electrostatics and electrical potential energy.
- Magnetic fields and magnetic force.
- Electromagnetism and its applications (motors, generators, for example).
- Conservation of momentum and energy; graphical methods in physics.

Anatomy & Physiology 12**(meets grade 11 or 12 science requirement) 4 credits**

Pre-requisite: Minimum 65% in Science 10

This course builds an understanding of the following topics, focusing on the human body:

- Biological molecules (carbohydrates, proteins, fats, etc.).
- Metabolism and enzymes.
- How substances are moved in and out of cells.
- DNA and gene expression.
- Proteins and their role in the human body.
- Biotechnology.
- Organ systems: their structure and function, and how they work together.
- Effects of lifestyle choices; disease as an imbalance of the functioning of organ systems.

Environmental Science 12**(meets grade 11 or 12 science requirement) 4 credits**

Pre-requisite: Science 10

Some key areas of focus are:

- Water quality, availability, and water use impacts. Water saving and protection.
- Environmental laws and regulations.
- Changes in climate systems.
- Land use and management.
- Personal choices and sustainable living,
- Global environmental ethics, policy, and law.
- Local and global disasters or issues (drought, water shortages, wildfires, tornadoes, hurricanes, tsunamis, pipeline spills, tanker spills, oil spills, red tide, invasive species, plastic pollution, other forms of pollution, ocean acidity and so much more).

Specialized Science 12 (Astronomy) (meets grade 11 or 12 science requirement) 4 credits

Pre-requisite: Science 10

Some key areas of focus are:

- Orientation in the Celestial Sphere (how to navigate when looking up).
- Size up (We will determine the size of the earth, moon and sun through observation and simple calculation).
- Distances (How far away are celestial objects).
- Black Holes (we will be taking a field trip inside of one).
- Light
- Infinity (Is the universe infinite? Is time infinite?).
- Big Bang Theory

PHYSICAL EDUCATION, HEALTH, and CAREERS

Big Ideas of Physical Education:

- understanding our strengths, weaknesses, and personal preferences helps us plan and achieve our goals
- trying a variety of physical activities can increase the likelihood that we will be active throughout our lives
- healthy choices influence, and are influenced by, our physical, emotional, and mental well-being
- personal fitness can be maintained and improved through regular participation in physical activities.

Required courses for a Dogwood Diploma:

- ✓ PE 10
- ✓ Career Life Education 10
- ✓ Career Life Connections 12

Physical and Health Education 10

(required) 4 credits

Physical Literacy

- Apply movement skills in a variety of physical activities and environments.
- Demonstrate safety, fair play, and leadership.
- Work at different exertion levels.

Healthy and Active Living

- Increase confidence and encourage participation in lifelong activities.
- Analyze media influences that influence health and well-being.
- Assess strategies to pursue healthy living goals.

Social and Community Health

- Develop skills to respond to healthy relationships, social influences.

Mental Well-being

- The relationship between physical activities, mental well-being, and overall health.

Volleyball 10, 11, 12**(This course can count as PE 10 credits) 4 credits**

Pre-requisite: Physical and Health Education 8

The focus of the program:

- Develop students' knowledge, skills, and abilities in the sport of volleyball.
- Provide each student with the opportunity to reach their full potential in the sport.
- For students to gain the ability of being able to participate in volleyball for life: as a player, a referee, a future instructor, or coach.
- Skill development, rules, offensive and defensive, officiating, sports specific fitness training and community involvement.

This course is open to all genders.

Basketball 10, 11, 12**(This course can count as PE 10 credits) 4 credits**

The focus of the program:

- Share the game of basketball with students by teaching skills, values, and wellness in a positive and fun environment.
- To strengthen the culture of youth basketball by using a holistic approach.
- Empowering students to live a full and healthy life.
- Teaching advanced basketball concepts.

This course is open to all genders.

Hockey Skills 10, 11, 12**(This course can count as PE 10 credits) 4 credits**

Pre-requisite: Able to skate and full hockey gear. This course is open to all genders.

This course is offered during first semester only and combines both on-ice and off-ice training. Students will receive approximately 3.5 hrs. of on-ice training and 2.5 hours of off-ice training per week.

The focus of the program:

- Skating, puck handling, shooting techniques and individual offensive and defensive principles.
- On-ice sessions will often have the rink divided into stations to maximize practice time and rink space.
- Conditioning through running, strength training, power principles, speed, agility, nutrition, and health.
- Students must complete a logbook for goals, performance, and drill recordings.

There is a course enhancement fee of \$100.

Active Living 11**(elective) 4 credits**

Health and Well-being:

- Describe how physical activities can increase confidence and encourage life-long participation
- Explain the importance of maintaining personal health
- Describe the impact of different physical activities on health and mental well-being

Safety:

- Demonstrate safety, fair play, and leadership in physical activities
- Explain how the use of proper techniques prevent injury

Participation:

- Develop and demonstrate skills needed to plan, organize, and participate in recreational activities
- Apply methods of monitoring exertion levels in physical activity
- Plan ways to overcome potential barriers to participation in physical activities
- Engage in a variety of recreational activities in different environments

Active Living 12**(elective) 4 credits**

Refer to Active Living 11 course description.

Yoga and Fitness 11**(elective) 4 credits**

This course is designed for 11 and 12 students who want to maintain or improve their physical fitness through alternate Physical Fitness activities focusing on Yoga and fitness/weight training.

- Yoga classes
- Weight room/fitness activities
- Small assignments
- Develop personal goals and a personal fitness plan and keep a log of their daily physical training.

This course is open to all genders.

Yoga and Fitness 12**(elective) 4 credits**

Refer to Yoga and Fitness 11 course description

- Learn more instances as to how and when to apply skills to enhance their daily lives and support their growth after secondary school.
- Students will either teach a class or complete a fitness video.
- Students will work towards leadership goals like leading the class in warm-up routines or leading the group in discussions on many topics.

This course is open to all genders.

Career Life Education 10**(required) 4 credits**

Topics include:

- Planning, reflecting, adapting, and deciding
- Personal and work/life balance
- Lifelong learning
- Employability skills
- Connection to community
- Goal setting
- Financial planning
- Pre- and post-graduation opportunities

Career Life Connections 12**(required) 4 credits**

Topics include:

- Personal career-life development
- Growth in competencies and strengths
- Capstone project and presentation

IDS (Independent Study)**(elective) 1-4 credits****Combine your passion with your talent to earn up to four-course credits in Independent Directed Studies!**

You can work with the IDS teacher to build your course, based on training that you wish to take locally, and at least one learning outcome from a Ministry-approved course. Example: create an outdoor education focus by combining other courses such as Wilderness First Aid, Swift Water Rescue, and C. O. R. E. hunter training to focus on the Outdoor Living 12 learning standard of demonstrating responsibility for personal safety and the safety of others.

Or you can pursue your learning to develop a project that meets at least one learning outcome from a senior Ministry-approved course. Examples: write and direct your play, design, and conduct your science experiments, design and build a useful invention, or even create a documentary. Your project topic, subject to teacher approval, must meet the required 120 hours to fulfill the requirements of the course.

Work Experience 12 A**(elective) 4 credits**

Career Prep Work Experience 12 is a course offered to students outside of the regular timetable. This course is designed to expose students to different careers, develop practical skills, gain valuable networking connections, and gain experience in areas of personal interest. In order to complete this course students must complete a minimum of 120 work experience hours. Hours are accumulated through paid work, volunteer activities, work placements, training courses or career exploration activities. The career centre offers flexibility and real-life experiences to those students interested in getting a jump start on a career.

In order to be able to comfortably complete the required hours for WEX, it is recommended that students begin this course in their grade 10 school year.

Students must also sign up with the Career Centre to participate in this program.

Work Experience 12 B**(elective) 4 credits**

Pre-requisite: Work Experience 12 A.

See course description for Work Experience 12 A.

LANGUAGES

French 10

(elective) 4 credits

Pre-requisite: successful completion of French 9

Focus areas:

- Language learning strategies.
- Communicating (orally and in writing) in real-life situations in basic past, present and future time.
- Exploration of authentic print and audio texts (texts, emails, blogs, ads, articles, recipes, websites, dialogs, presentations ...).
- Participation in short conversations on familiar real-life topics.
- Aspects of francophone culture.

French 11

(elective) 4 credits

Pre-requisite: French 10

Focus areas:

- More complex strategies, vocabulary, and language structures for increasingly fluent communication.
- Past, present, and future time frames.
- Exploration and interpretation of more complex print and audio texts (blogs, ads, articles, letters, songs, poems, websites, presentations, newscasts...).
- Conversations on a variety of (real-life) topics.
- Connections between language and culture.

French 12

(elective) 4 credits

Pre-requisite: French 11

Focus areas:

- Increasingly complex strategies, vocabulary, and structures for understanding and communicating in a wide variety of contexts.
- Multiple past, present and future timeframes.
- Exploring, interpreting, and responding to a wide variety of print and audio texts (blogs, ads, articles, letters, songs, poems, short stories, websites, presentations, newscasts...).
- Conversations and discussions on a variety of topics.
- Exploring connections between language and culture.

Introductory/Beginner German 11**(elective) 4 credits**

Pre-requisite: Good work habits

Introductory German 11 is an accelerated introduction to German for students who have no prior experience with the language.

Focus areas:

- Language learning strategies.
- Communicating basic ideas and information both orally and in writing in real-life/travel situations, using basic past, present and future time frames.
- Pronunciation and intonation.
- Understanding key information and supporting details in authentic print and audio texts (texts, emails, blogs, ads, websites, songs, recipes, conversations, presentations ...).
- German communities around the world.

German 11**(elective) 4 credits**

Pre-requisite: Introductory German 11, or teacher's permission

After successful completion of this course students receive second language credit necessary for admission to many post-secondary institutions across the country.

Focus areas:

- More complex vocabulary and language structures for communicating with growing fluency, orally and in writing, in past, present and future time frames.
- Exploring and understanding a variety of authentic print and audio texts (blogs, ads, articles, letters, songs, poems, websites, newscasts, presentations ...).
- Conversations and discussions on a growing variety of real-life topics.
- Regional variations of German language and culture.

German 12**(elective) 4 credits**

Pre-requisite: German 11, or teacher's permission

Focus areas:

- Complex vocabulary, and sentence structures to communicate effectively both orally and in writing.
- Multiple past, present and future time frames, complex questions, sequencing events and expressing opinions and wishes.
- Exploring, interpreting, and responding to a wide variety of print and audio texts (blogs, ads, articles, letters, songs, poems, short stories, websites, newscasts...).
- Aspects of German culture (art, literature, music, famous German speakers).

FINE ARTS

Required courses for a Dogwood Diploma:

- ✓ Any Fine Art or Applied Skill 10, 11, or 12 course

Visual Arts: Art Studio 10

(elective) 4 credits

Students are expected to work out of a sketchbook focusing on four main disciplines: drawing, painting, sculpture, and mixed media. Students will explore a variety of projects and assignments that pertain to the elements and principles of design.

Topics or Focus:

- Create artistic works using sensory inspiration, imagination, and inquiry.
- Explore artistic possibilities and take creative risks.
- Express meaning, intent, and emotion through visual art .
- Develop and refine artistic skills in a variety of styles.
- Demonstrate safe and responsible use of materials.
- Recognize and evaluate design choices in artistic creations.
- Reflect on the influences of a variety of contexts.
- for example, personal, social, cultural, environmental, and historical contexts on artistic works.
- Demonstrate respect for self, others, and place.
- Communicate ideas through art making.
- Explore First Peoples perspectives and design elements.
- Create artistic works that demonstrate personal, cultural, and historical contexts.

Enhancement Fee of \$20 for sketchbook

Art Studio 11

(elective) 4 credits

This course includes:

- A broad range of experiences in 2-D and 3-D visual arts.
- Exploring a variety of art forms such as drawing, painting, pottery, photography, casting, design, digital imaging, and printmaking.

Enhancement Fee of \$20 for sketchbook

Art Studio 12**(elective) 4 credits**

This course includes:

- A broad range of experiences in 2-D and 3-D visual arts.
- Exploring a variety of art forms such as drawing, painting, pottery, photography, casting, design, digital imaging, and printmaking.
- Students are expected to work in a sketchbook outside of class to demonstrate their knowledge of techniques and medium. The sketchbook is due at the end of the semester.

Enhancement Fee of \$20 for sketchbook

Studio Art 2-D 11**(elective) 4 credits**

Pre-requisite: Art Studio 11

Studio Arts specialties may be in any of the following visual expression areas:

- Drawing and painting
- Ceramics and sculpture
- Printmaking and graphic design
- Fabric and fibre

Enhancement Fee of \$20 for sketchbook

Studio Art 2-D 12**(elective) 4 credits**

Pre-requisite: Art Studio 12

This course provides experienced Art's students opportunities to engage in a focused and in-depth study in a particular visual expression area. Studio Arts specialties may be in any of the following visual expression areas:

- Drawing and painting
- Ceramics and sculpture
- Printmaking and graphic design
- Fabric and fibre

Enhancement Fee of \$20 for sketchbook

Dance Foundations 10**elective (This course can count as PE 10 credits) 4 credits**

Pre-requisite: none

This course introduces the foundations of dance and preparing choreographed routines. Appropriate dance wear and jazz shoes are required.

Topics:

- Beginner steps and moves in dance
- Skills specific to technique and the elements of dance
- Work on flexibility, strength, and endurance
- Foundational combination steps across the floor
- Deep stretching and conditioning
- Fitness circuits and warmups to enhance overall fitness
- The basics of dance routines and preparing for performing in shows
- Learning, practicing, and performing new choreography in a variety of dance styles and music genres
- Creating new choreography collaboratively with a smaller group
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Dance Conditioning 11 and 12**(elective or P.E. 10 credit) 4 credits**

Pre-requisite: none

This course introduces conditioning of dance and preparing choreographed routines. Appropriate dance wear and jazz shoes are required.

Topics:

- Intermediate to advanced steps and moves in dance
- Skills, specific to technique and the elements of dance
- Work on flexibility, strength, and endurance
- Building on combination steps across the floor
- Deep stretching and conditioning
- Fitness circuits and warmups to enhance overall fitness
- Improving dance performance and expression to prepare for shows
- Learning, practicing, and performing new choreography in a variety of dance styles and music genres
- Creating new choreography collaboratively with a small group

Guitar 10**(elective) 4 credits**

This course is intended to allow students to further their understanding of guitar and song composition and to develop discipline, skills, and confidence through experiences and sustained practice. The course will also allow students to develop independence, self-motivation, and positive self-image through experiences through the creation, exploration, and expression of music (guitar). The focus on instruction is on basic chords and strumming, song reproduction, song composition, analysis, and recording. On some occasions we will implement bass guitar, keyboard, vocals, and percussion to support ensemble performance skills.

Guitar 11 and 12**(elective) 4 credits**

Students taking this course will be working with other students in grades 10-12 furthering their development of knowledge-based experience on the guitar.

APPLIED SKILLS, DESIGN, and TECHNOLOGY

Culinary Arts 10

(elective) 4 credits

LDSS' Culinary Arts program is a hands-on, exploratory course in nutrition and food preparation.

Culinary Arts:

- Provides students with many opportunities to actively prepare a variety of dishes from a variety of cultures with the intention of sharing and practicing the art of cooking.
- Takes an approach of active learning and requires regular practice for students to grow as confident, adaptable cooks in their day-to-day lives.
- Includes kitchen safety, sanitation, basic nutrition, kitchen chemistry, and meal planning.

There is an enhancement fee of \$50 for this course.

Culinary Arts 11

(elective) 4 credits

See course description for Culinary Arts 10.

Culinary Arts 12

(elective) 4 credits

See course description for Culinary Arts 10.

Library Science 10, 11, 12

(elective) 4 credits

This course is designed to introduce students to library work, including philosophies, procedures and practical skills involved in running a library.

The course includes the following **Units of Study**:

- Introduction to Library work.
- Library Organization; Library Resources; Library Management.
- Acquisitions
- Promotion of the Collection and Library Services.
- Multimedia and Web 2.0 Applications.
- Problem Solving; Information and Research.
- Creativity; Media; Collaboration.

Media Design 10

(elective) 4 credits

This course will offer students the opportunity to learn skills in digital media:

- Graphic Design
 - Photoshop – Learn to edit, combine, and improve photos using the premier photo editing software
- Video Editing
 - Premiere – Learn to cut and splice projects and do basic video editing
 - After Effects – Learn to add visual effects to videos
- 3D Modelling/Printing and Animation
 - Blender – Work on static modelling with the opportunity to print final projects on a 3D printer
 - Blender – Basic rigging and animation

Students start by working through the basics of each type of Media Art; when they are ready, they move on to choose projects which interest them.

Media Arts 11

(elective) 4 credits

This course will offer students the opportunity to learn skills in digital media:

- Graphic Design
 - Photoshop – Learn to edit, combine, and improve photos using the premier photo editing software
- Video Editing
 - Premiere – Learn to cut and splice projects and do basic video editing
 - After Effects – Learn to add visual effects to videos
- 3D Modelling/Printing and Animation
 - Blender – Work on static modelling with the opportunity to print final projects on a 3D printer
 - Blender – Basic rigging and animation

Students start by working through the basics of each type of Media Art; when they are ready, they move on to choose projects which interest them.

Media Arts 12

(elective) 4 credits

This course continues with the concepts and skills learned in Media Arts 11. Students will also be expected to design and implement projects of their choosing.

Metalwork 10

(elective) 4 credits

Students will learn about the following:

- Identification of various metals
- Selection of various metals with regards to shape, size, strength, and application
- Proper use, maintenance and storage of tools and equipment
- Start-up, shutdown, and handling procedures for compressed gas cylinders
- Welding methods including gas and arc
- Precision measurement
- Machining
- Computer numerical control (CNC) applications
- Reading and preparing drawings, plans and cutting lists

This introductory course is designed to teach students skills in the following areas:

- Mig welding
- Oxyacetylene welding and brazing
- Lost wax casting
- Lathe work
- Jewellery making
- Aluminum casting
- Forging
- Sheet Metal

Safety and safe shop practices are emphasized throughout the course

Metalwork 11

(elective) 4 credits

This course will provide a challenge for students with interests in machining, fabrication, and design. (i.e., Jewellery)

Course content includes:

- systematic planning and procedures, safe work habits, skills, and knowledge in the use of the lathe, milling machine, drill press, grinders, skills in casting aluminum and non-ferrous metals.
- Various welding processes including oxy-acetylene, stick, MIG, and TIG are explored, including use, set-up, and maintenance of equipment.

Metal 11 is a project-oriented course. The teacher assigns skill building projects, and others are designed or chosen by the student.

A course fee will be assessed based on project choice.

Metalwork 12

(elective) 4 credits

The course content is a continuation of Metal Fabrication 11. Areas like the milling machine, lathe work, welding, plasma cutting, and advanced lost wax casting are part of the program. Projects involving Art Metal and Jewelry may also be included. This is a project-oriented course.

Power Technology (Auto) 10**(elective) 4 credits**

The Auto 10 course focuses on:

- Student safety throughout the course as students learn to use both hand and power tools in a safe and proper manner.
- Projects that students work on could be an appropriate piece brought in by the student or something provided by the instructor.
- Reducing energy use and waste and the effect of power and transportation systems on society and the environment will be recognized throughout the course.

Students will learn about the following:

- Internal and external combustion engines, components, construction, and systems.
- Engine terminology.
- Hand and power tools for mechanical repair and maintenance.
- Disassembly and assembly sequences.
- Fasteners and fittings.
- Troubleshooting and maintenance.
- Alternate non-fuel energy sources.

Automotive Technology 11**(elective) 4 credits**

This course introduces students to the mechanics of the automobile and service of the various systems. This will be done by projects the student brings in from home and various technical demonstrations throughout the semester. Emphasis is put on student effort, participation, and safe work habits. Technical demonstrations will include lifting and supporting, brake systems and service, wheel bearings, and cooling.

Automotive Technology 12**(elective) 4 credits**

This course is a continuation of AT11. More emphasis is put on service procedures and rebuilding engines. Projects are to be brought in by students. Effort, participation, and safe work habits continue to be most important.

Textiles 10**(elective) 4 credits**

In Textiles 10, students will continue with:

- Hand and machine construction techniques for producing and/or repairing textile items, including First Peoples textile practices.
- Strategies for altering patterns and explore ways to upcycle existing textiles.
- Considering the environmental and ethical factors that influence textile choices and the impact of those choices on local and global communities.
- Students will create a minimum of 4 projects during this course, which may include a small quilt, one clothing item, an upcycled item and one other creation of their choice.

There may be an enhancement fee of \$50

Textiles 11**(elective) 4 credits**

At this level students will be expected to:

- Work with and understand more complex fabrics.
- Understand the physical and chemical properties and technological developments of fabrics will be a factor in fabric choice for their projects.
- Modify patterns to fit their needs, repurpose textiles items, and examine symbolism in textile prints and designs, including those of First Peoples.
- This course will include a unit on the influence of marketing and advertising, such as social media, in the promotion of fashion and textile items.

Students will discuss project requirement with the teacher.

There may be an enhancement fee of \$50

Textiles 12**(elective) 4 credits**

This course will build on knowledge and skills acquired in previous Textiles courses:

- Further looking into the making and using of fabrics, designing patterns, and manipulating textiles to achieve specific results.
- It will include a unit on legislation, regulations and agencies that influence production, labelling and distribution of textile items in Canada.
- There will be a unit on forecasting practices and how they are used in the development and creation of textile items.
- Historical uses of textile items and their influence on modern textile use, including those of First Peoples.

Students will determine the nature and number of projects to be completed in consultation with teacher.

There may be an enhancement fee of \$50

Textiles Arts & Crafts 11**(elective)4 credits**

This is a hands-on course designed to allow students to explore a variety of arts and crafts techniques. Students will:

- Complete a project that communicates specific beliefs/traditions which may include those of First Peoples.
- Create a textile and/or craft project that expresses the student's own ideas, thoughts or feelings and create a product for a specific public need.

Examples of projects could include:

- Quilting; Knitting/Crochet; Embroidery; Scrapbooking/Paper crafts
- Bags/Purses; Tie-dyed fabrics; Décor related items; Recycled textile projects

Students will discuss project requirement with the teacher.

There may be an enhancement fee of \$50

Woodwork 10

(elective) 4 credits

The Woodwork 10 course focusses on:

- Student safety throughout the course as students learn to use both hand and power tools in a safe and proper manner.
- Planning, drawing, constructing, and finishing stages.
- How to interpret project plans and be able to select the proper resources.
- How their projects design is impacted by social, ethical, and sustainability considerations.
- Students will be able to enhance their projects using either a CNC router or Laser engraving machine.

Students who have successfully completed Woodwork 9 will be able to work on more advanced projects than students taking this course for the first time.

*Students are required to provide their own safety goggles/eye protection, hearing protection and tape measure.

Woodwork 11

(elective) 4 credits

In the Carpentry and Joinery 11 course students are exposed to:

- The WHIMIS regulations and are trained to use the power equipment found in the woodshop.
- A large focus on safety and accident prevention during the first few weeks and these procedures are to be used throughout the course.
- Interpreting technical drawings or producing design sketches.
- Projects using both hand and machine tools that use a number of different wood joints.
- The WoodLINKS curriculum, which includes current industry trends as well as exposing them to vast amount of information and resources on wood processing.
- Students will be able to enhance their projects using either a CNC router or Laser engraving machine.
- Often this class is involved in community projects and may be working on a larger group project. The CNC Router is involved in these projects.

*Students are required to provide their own safety goggles/eye protection, hearing protection and tape measure.

*Enhancement fee depending on specialty projects chosen.

Woodwork 12**(elective) 4 credits**

In the Carpentry and Joinery 12 course students:

- Are exposed to the WHIMIS regulations and are trained to use all the power equipment found in the woodshop.
- Are expected to apply safe work practices when completing personal projects as there is a large focus on safety and accident prevention during the first few weeks and it is reinforced throughout the course.
- Begin by interpreting technical drawings or producing design sketches and demonstrate proficiency in using a variety of measuring instruments, layout tools, and mathematical techniques to solving technical problems.
- Are then expected to complete projects that incorporate a number of different wood joints using both hand and machine tools.
- Are also exposed to working with engineered wood products and composite materials.
- Are encouraged to utilize the CNC Router or laser into part of one of their projects.

The WoodLINKS curriculum incorporates current industry trends as well as exposing students to vast amount of information and resources on wood processing and production techniques.

*Students are required to provide their own safety goggles/eye protection, hearing protection and tape measure.

*Enhancement fee depending on specialty projects chosen.

Art Metal and Jewellery 12**(elective) 4 credits**

Students will:

- Learn soldering, buffing and polishing, shaping, filing, sawing with a jeweler saw, braiding, weaving, carving, forging, detail welding, brazing, and casting.
- Create rings, pendants, broaches, chainmail, necklaces, and sculptures using both power and non-power tools; Be encouraged to create self-designed projects.
- Are expected to create and maintain a digital portfolio of their projects that can be used as part of their Career Life Connections 12 (Graduation Requirement).

OTHER ELECTIVES

Tutoring 11 and 12

(elective) 4 credits

Successful Applicants must meet the following criteria:

- Good attendance and behavior record.
- Passing average in all academic subjects.
- Willingness to work
- The confidence to “take charge” of situations.
- Assist the teacher with materials and as requested.

Tutors will:

- Participate in training.
- Work with individuals and small groups.
- Practice confidentiality at all times.

Study 12

Study blocks are available to grade 12 students only. Grade 12 students must consult with a counsellor before being given one study block. ALL students remain in the MPR or Library for study blocks if they choose to remain in the school.

COURSE SELECTION

Please use this list to complete the Course Planning Worksheet on pages 10 & 11.

For full course descriptions see pages 12-30.

APPLIED SKILLS

Accounting 11 & 12
 Child Dev. & Caregiving 12
 Computer Programming 11
 Economics 12
 Entrepreneurship 12
 Fashion and Makeup 11
 Fashion and Interior Design 11
 Food Studies 11 & 12
 Forensic Science 11 (1&2)
 Foundations of Inquiry 10
 Interpersonal/Family
 Relationships 11
 Psychology 11 & 12
 Veterinary Science 11

CAREER EDUCATION

Career Life Education 10
 Career Life Connections 12

FINE ARTS

Instrumental Music: Guitar
 10/11/12
 Instrumental Music: Piano
 10/11/12
 Photography 11 & 12
 Studio Arts 2D 11
 Visual Arts: Media Arts 10 - 12
 Visual Arts: Art Studio 10

LANGUAGE ARTS

English LA: Composition 11
 English LA: Creative Writing 11
 English LA: New Media 11
 English 10 - Choose one:

Composition/Creative Writing
Composition/Literary Studies
Composition/Lit/ Science Fiction
Composition/New Media
Composition/Spoken Language

English Studies 12
 English First Peoples 12
 LA: Literary Studies 11

SECOND LANGUAGE

French 10
 French 11
 French 12
 Introductory Spanish 11
 Spanish 11

MATHEMATICS

Calculus 12
 Foundations of Math & Pre-Calculus 10
 Foundations of Math 11 & 12
 Pre-Calculus 11 & 12
 Workplace Math 10 & 11

PHYSICAL EDUCATION

Physical & Health Education 10
 Active Living 11 & 12

SCIENCES

Anatomy and Physiology 12
 Chemistry 11 & 12
 Earth Science 11
 Life Sciences 11
 Physics 11 & 12
 Science 10
 Science for Citizens 11
 Specialized Science 12

SOCIAL STUDIES

20th Century World History 12
 BC First Peoples 12
 Explorations in Social Studies 11
 Law Studies 12
 Philosophy 12
 Physical Geography 12
 Social Justice 12
 Social Studies 10

GENERAL ELECTIVES

Creative Writing 12
 Independent Directed Studies
 LA: Literary Studies 12
 Theory/Principles of Hockey 10