



Course Selection Guide

Grades 10-12

2016-2017

Nanaimo District Secondary and Learning Alternatives

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Mission Statement

Our school provides learning opportunities enabling students and staff to achieve personal excellence and pursue their passions in an inclusive, supportive, and respectful environment. We educate students by teaching skills and modeling attitudes needed to become successful lifelong learners and responsible, caring school and global citizens. Our school honours dignity, purpose, and options for all.



Notre école offre des opportunités d'apprentissage permettant aux élèves et aux enseignant(e)s de réaliser leur propre excellence et de poursuivre leurs passions dans un milieu inclusif, positif, et respectueux. On instruit les élèves en enseignant les habilités et en modelant les attitudes nécessaires pour devenir des apprenant(e)s à vie ainsi que des citoyen(ne)s scolaires et globales/aux responsables et bienveillant(e)s. Notre école fait honneur à la dignité, aux buts et aux options pour tous et pour toutes.

Mr. G. Steel
Principal

Mr. D. Beeston
Vice-Principal

Mr. B. Brooks
Vice-Principal

Mr. J. Cunnian
Vice-Principal

Mr. S. Marusic
Vice-Principal

January 2016

Dear Students and Parents,

The NDSS administration, counsellors, coordinators, support staff and your teachers hope you will find this course calendar helpful as you plan your next year's educational program.

NDSS, we believe, is unique in its sense of community and diversity. Being part of our school community gives students the support they need to achieve academically as well as socially, and to explore their unique skills and talents.

*Students should be aware that course offerings are **subject to student enrolment** and **staffing requirements**. Also, **courses may change as a result of Ministry requirements**. We must emphasize that when selecting courses you are indicating a commitment to include the course(s) in your educational plans for next year.*

*Also, on behalf of NDSS, we would like to extend a warm welcome to our new Grade 8 Feeder Schools **Brechin** and **Forest Park Elementary** Schools. We are also equally excited to welcome our new incoming students from **Woodlands Secondary**. Welcome to NDSS!*

Best wishes for a successful school year.

Mr. G. Steel

Principal, NDSS and Learning Alternatives

Please Note: At the time of printing the information in this course calendar is believed to be correct. Changes that occur after printing will be communicated during course selection time and throughout the year as necessary.

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Table of Contents

List of Course Offerings	5
NDSS Graduation Planning Sheet	6-7
Graduation Transitions	8
Scholarships and Awards	8
 Specialty Programs/Courses/Services	
Library Learning Commons	9
Counselling Services	9
Peer Counselling, Peer Tutoring, Human Services	10
Career Explorations	10
IDS Course Offerings	10-11
Career Technical Center (CTC)	11
District Programs: Career Paths	11-13
Learn @ Home	13
 Foundation Courses:	
French Immersion	14
Planning	16
English	17
Social Studies	19
Mathematics	22
Science	25
Physical Education	26
Sports Academies	27
 Elective Courses:	
Languages	28
Business Education	30
Information Technology	31
Technology Education	31
Home Economics	34
Visual Arts	35
Drama/Dance	37
Band, Choir & Music Appreciation	39

List of Course Offerings

SPECIALTY COURSES

Human Services 11/12
Peer Tutoring 10/11/12
Career Explorations 12
Work Experience 12
Independent Directed Studies
Post-Secondary & Scholarships
Business Law
AP Psychology
International Relations

FRANÇAIS LANGUE FRANCOPHONE

Francais Langue Premiere 10
Francais Langue Premiere 11
Francais Langue Premiere 12

FRENCH IMMERSION

Francais Langue 10
Francais Langue 11
Francais Langue 12
Fondement Pre-Calculus 10
Fondements de Mathematiques 11
Sciences Humaines 10
Sciences Humaines 11
Sciences 10

SOCIAL STUDIES

English Language First Peoples 10
Social Studies 10
Social Studies 11
Civics 11
Psychology 12
Geography 12
History 12
Law 12
BC First Nations 12
Comparative Civilization 12
Social Justice 12

PHYSICAL EDUCATION

Physical Education 10
Physical Education 11 (Coed)
Physical Education 12 (Coed)
Fitness & Conditioning 10-12

SPORTS ACADEMIES

Lacrosse Academy 11-12
Hockey Academy 10-12
Soccer Academy 10-12
Beach Volleyball 10-12

HEALTH AND CAREER PLANNING

Planning 10

MATHEMATICS

Apprenticeship and Workplace Math 10
Foundations of Math & Pre-calculus 10
Apprenticeship and Workplace Math 11
Foundations of Mathematics 11
Pre-calculus 11
Apprenticeship and Workplace Math 12
Foundations of Math 12
Pre-calculus 12
Calculus 12

INFORMATION TECHNOLOGY

Information Technology 10
Introductory Animation (Media Arts 10)
Media Arts 11
Information Technology 11
Information Technology 12
Computer Animation & Video Prod. 11
Computer Animation & Video Prod. 12

SCIENCE

Science 10
Biology 11
Biology 12
Chemistry 11
Chemistry 12
Physics 11
Physics 12
Earth Science 11

LANGUAGES

French 10
French 11
French 12
Spanish 10
Beginners Spanish 11
Spanish 11
Spanish 12

TECHNOLOGY EDUCATION

Tech Ed 10 – Woodwork
Carpentry & Joinery 11
Carpentry & Joinery 12
Carpentry & Joinery 12 (Residential Construction)
Drafting 10
Drafting 11
Drafting 12
Mechanics 10
Automotive Technology 11
Automotive Technology 12
Metalwork 10
Metalwork 11
Metalwork 12
Advanced Welding 12

HOME ECONOMICS

Foods & Nutrition 10
Foods & Nutrition 11
Foods & Nutrition 12
Cafeteria 11/12

BUSINESS EDUCATION

Business Education 10
Keyboarding 11
Business Computer Applications 11
Data Management 12
Accounting 11
Accounting 12
Marketing 11
Marketing 12
Desktop Publishing (Yearbook 11)
Entrepreneurship 12

VISUAL AND PERFORMING ARTS

Visual Arts 10
Art Foundations 11
Art Foundations 12
Studio Arts 11 – Drawing & Painting
Studio Arts 12 – Drawing & Painting
Studio Arts 11 – Ceramics & Sculpture
Studio Arts 12 – Ceramics & Sculpture
Studio Arts 11 – Fabric & Fibre
Studio Arts 12 – Fabric & Fibre
Studio Arts 11-Graphics & Printmaking
Studio Arts 12-Graphics & Printmaking
BA Photography 10
BA Photography 11
BA Photography 12

Drama 10
Drama 11
Drama 12
Directing and Script Development 11/12
Film and Television Studies 11
Acting & Musical Theatre 10/11/12

Dance 10: Performance
Dance 11: Performance
Dance 12: Performance
Dance 11/12 Choreography

Jazz Ensemble 10
Jazz Ensemble 11
Jazz Ensemble 12
Concert Band 10
Concert Band 11
Concert Band 12
Choir 10
Choir 11
Choir 12
Music Appreciation 10/11/12

Graduation Planning Sheet

French Immersion and Francophone Students

GRADE 10 REQUIREMENTS	CREDITS	
<input type="checkbox"/> English 10	4	Total Credits: (Min. 24)
<input type="checkbox"/> French 10 (Immersion) or French 10 (Francophone)	4	
<input type="checkbox"/> Social Studies 10 (Immersion)	4	
<input type="checkbox"/> Science 10 (Immersion)	4	
<input type="checkbox"/> Math 10 (Immersion)	4	
<input type="checkbox"/> PE 10		
<input type="checkbox"/> PLANNING 10		
GRADE 11 REQUIREMENTS		
<input type="checkbox"/> English or Communications 11	4	Total Credits: (Min. 16)
<input type="checkbox"/> French 11 (Immersion)	4	
<input type="checkbox"/> Social Studies 11 (Immersion) or Social Studies (Francophone)	4	
<input type="checkbox"/> a Science 11 _____	4	
<input type="checkbox"/> a Math 11 (Immersion)		
GRADE 12 REQUIREMENTS		
<input type="checkbox"/> English or Communications 12	4	Total Credits: (Min. 20)
<input type="checkbox"/> French 12 (Immersion) or French 12 (Francophone)	4	
<input type="checkbox"/> _____ 12	4	
<input type="checkbox"/> _____ 12	4	
<input type="checkbox"/> GRADUATION TRANSITIONS	4 (RM)	
FINE ARTS &/or APPLIED SKILLS REQUIREMENT		
REQUIRED: 4 credits of one area		Total Credits: (Min. 4)
<input type="checkbox"/> FINE ARTS _____ 10 / 11 / 12	4	
<input type="checkbox"/> APPLIED SKILLS _____ 10 / 11 / 12		
ADDITIONAL COURSES		
<input type="checkbox"/> _____ 10 / 11 / 12	4	Total Credits: (Min. 16)
<input type="checkbox"/> _____ 10 / 11 / 12	4	
<input type="checkbox"/> _____ 10 / 11 / 12	4	
<input type="checkbox"/> _____ 10 / 11 / 12	4	
<input type="checkbox"/> _____ 10 / 11 / 12 Recommended	—	
<input type="checkbox"/> _____ 10 / 11 / 12 Recommended	—	
<input type="checkbox"/> _____ 10 / 11 / 12 Recommended	—	
<input type="checkbox"/> _____ 10 / 11 / 12	—	
<input type="checkbox"/> _____ 10 / 11 / 12	—	
OVERALL TOTAL CREDITS	—	(Minimum credits=80)

☐ Dogwood Diploma
 ☐ Adult Grad Program
 ☐ School Completion Certificate
 ☐ Evergreen Certificate

Graduation Planning Sheet

English Program Students

GRADE 10 REQUIREMENTS	CREDITS	
<input type="checkbox"/> English 10	4	Total Credits: (Min. 24)
<input type="checkbox"/> Social Studies 10	4	
<input type="checkbox"/> Science 10	4	
<input type="checkbox"/> a Math 10 _____	4	
<input type="checkbox"/> PE 10	4	
<input type="checkbox"/> PLANNING 10	4	
GRADE 11 REQUIREMENTS		
<input type="checkbox"/> English or Communications 11	4	Total Credits: (Min. 16)
<input type="checkbox"/> a Social Studies 11 _____	4	
<input type="checkbox"/> a Science 11 _____	4	
<input type="checkbox"/> a Math 11 _____	4	
GRADE 12 REQUIREMENTS		
<input type="checkbox"/> English or Communications 12	4	Total Credits: (Min. 20)
<input type="checkbox"/> _____ 12	4	
<input type="checkbox"/> _____ 12	4	
<input type="checkbox"/> _____ 12	4	
<input type="checkbox"/> GRADUATION TRANSITIONS	4 (RM)	
FINE ARTS &/or APPLIED SKILLS REQUIREMENT		
REQUIRED: 4 credits of one area		Total Credits: (Min. 4)
<input type="checkbox"/> FINE ARTS _____ 10 / 11 / 12	4	
<input type="checkbox"/> APPLIED SKILLS _____ 10 / 11 / 12		
ADDITIONAL COURSES		
<input type="checkbox"/> _____ 10 / 11 / 12	4	Total Credits: (Min. 16)
<input type="checkbox"/> _____ 10 / 11 / 12	4	
<input type="checkbox"/> _____ 10 / 11 / 12	4	
<input type="checkbox"/> _____ 10 / 11 / 12	4	
<input type="checkbox"/> _____ 10 / 11 / 12	—	
<input type="checkbox"/> _____ 10 / 11 / 12	—	
<input type="checkbox"/> Recommended _____ 10 / 11 / 12	—	
<input type="checkbox"/> Recommended _____ 10 / 11 / 12	—	
<input type="checkbox"/> Recommended _____ 10 / 11 / 12	—	
<input type="checkbox"/> _____ 10 / 11 / 12	—	
<input type="checkbox"/> _____ 10 / 11 / 12	—	
OVERALL TOTAL CREDITS	_____	(Minimum credits=80)

☐ Dogwood Diploma
 ☐ Adult Grad Program
 ☐ School Completion Certificate
 ☐ Evergreen Certificate

GRADUATION TRANSITIONS

All BC secondary school students who are enrolled in Grade 10, 11 or 12 must demonstrate they have met the following requirements for:

1. Personal Health

It is expected that students will demonstrate the knowledge, attitudes and positive habits needed to be healthy individuals, responsible for their own physical and emotional well-being by:

- Engaging, from grades 10 to 12 in at least 150 minutes per week of moderate to vigorous physical activity
- Developing a long-term personal healthy living plan appropriate to their lifestyle

2. Community Connections

It is expected that students will demonstrate the skills required to work effectively and safely with others and to succeed as individuals and collaborative workers by:

- Participating in at least 30 hours of work experience and/or community service
- Describing the duties performed, the connections between the experience and employability skills and the benefit to the community and the student

3. Career and Life

It is expected that students will demonstrate confidence and competency needed to be self-directed individuals by:

- Developing a comprehensive plan that indicates they are prepared to successfully transition from school
- Presenting selected components of their transition plan in an exit interview with their GTS12 Teacher

Students will be assigned a Graduation Transitions teacher. The GT teacher will verify their Personal Health hours and Community Connection hours. Students will be given worksheets to assist them in their development of a transition plan. They will be able to choose from a variety of transition options including college or university, trades training, military, travel, "gap" or volunteer work year, Career Technical Center or directly to work options. Due dates are determined based on January or June graduation dates.

SCHOLARSHIPS, BURSARIES AND AWARDS

It is never too early to think about how you'll pay for your future education. If you plan to continue school beyond Grade 12, you can start earning money from awards and scholarships even before you graduate. See www.bced.gov.bc.ca/awards/ for Ministry Scholarships and Awards.

LOCAL SCHOLARSHIPS, BURSARIES AND AWARDS

The local community is very supportive of students wishing to pursue a post-secondary education including trades and technical programs. The Nanaimo Schools Financial Awards Society selects and distributes the awards for School District #68 students. Applications are available on-line. Visit www.nlsf.ca and click on awards. The up to date applications become available on-line mid-January.

DOGWOOD DISTRICT SCHOLARSHIPS

These \$1250.00 scholarships, awarded in two parts, are awarded to graduating students who excel in:

- Fine arts (visual arts, dance, drama or music)
- Applied skills (business education, technology education and home economics)
- Physical activity (not limited to physical education)
- International languages
- Trades
- Community Service
- Indigenous language and culture

PROVINCIAL SCHOLARSHIPS

These scholarships recognize academic achievement on Provincial Examinations.

A student will receive a \$1000 Examination Scholarship if he or she:

- Is one of the top 5000 students on his or her provincial exams.
 - ❖ English 10
 - ❖ Science 10
 - ❖ Math 10
 - ❖ Social Studies 11
 - ❖ English 12/ Com 12
- Must be a Canadian citizen or permanent resident at the time of writing the provincial exams
- Must be a BC resident
- Fulfill graduation requirements

A student will receive a \$2500 if he or she is the top 20 student winners of the \$1000 provincial scholarships (based on percentage score). In addition, any student who achieves a perfect score (100%) in three provincial exams from grades 10-12 (exam mark) will also be awarded an Academic Medal of Excellence.

OTHER AWARDS

Many other scholarships and awards are available to graduating students. Excellent websites include:

- www.bcawardsonline.org/
- www.studentscholarships.org
- www.studentawards.com
- www.scholarshipscanada.com

SPECIALTY COURSES, SERVICES AND PROGRAMS

LIBRARY LEARNING COMMONS

The NDSS Library is open:

Monday to Thursday	8:00 AM to 3:30 PM
Friday	8:00 AM to 2:00 PM

The NDSS Learning Commons is a place to learn, collaborate and create. We provide a full class set of computers, work areas for class and individual use, access to quality, current technological tools and digital resources, and extensive English and French print and non-print collections.

The teacher-librarian works with students and teachers to promote reading, to provide quality resources to furnish the BC curricula, and to facilitate the development of research and thinking skills, information literacy, teacher collaboration, student collaboration, independent and individualized learning are key concepts in our 21st Century learning model.

COUNSELLING SERVICES

Arranging to see a Counsellor

The counselling center is located by the showcase near the main entrance to the school. Counsellors are available to see you on a drop-in basis and parents are welcome to call the school to make an appointment if they wish to speak with their child's counsellor.

Personal Counselling

Counsellors are trained to assist students with concerns that are affecting school success or their personal life. They can also assist students or parents to access other services within the school, district or community agencies.

Educational/Career Counselling

Your counsellor will assist you in course selection, program planning and strategies for successful completion of courses. Counsellors can help you to make careful, realistic decisions and assist you in becoming aware of your career alternatives.

HUMAN SERVICES 12

Human Services12 is a course where students are trained in peer counselling, communication, interpersonal and specific intervention skills. These skills enable students to help their peers with the problem-solving process. Students will learn to identify a problem and help someone with the solution process by seeking information and strategies. Peer Counsellors are such an asset because we know that students usually talk with their peers first when problems arise in their lives. Self-awareness activities will be a part of the course because students must know about themselves first before they can help others. Peer mediation, where peer counsellors sit down with younger students who are in conflict to work on finding peaceful situations, will also be a focus of the course.

Students will also take an active role in helping to create and deliver anti-bullying, suicide prevention, and other programs in both our school and local elementary schools. We will work closely with community agencies such as The Crisis Society of Central Vancouver Island throughout the course. Peer counsellors may also be involved in the Big Brothers Big Sisters mentoring program at Fairview.

PEER TUTORING 10-12

Peer Tutoring is designed for Grade 11 or 12 students or students who have been recommended by teachers, counsellors, and/or administrators. Interested students must have shown exemplary skills in work habits, attendance, and demonstrated leadership qualities as well as a sincere desire to help others. Peer Tutors work under the guidance and supervision of a sponsor teacher. Of benefit to the tutors is the opportunity to work directly with our teaching staff and contribute positively to the educational environment at NDSS.

CAREER EXPLORATIONS 12

Career Explorations 12 provides students with an opportunity to plan and prepare for their careers beyond secondary school. Students combine school courses and a minimum of 100 hours of paid or unpaid career related work experience, workshops, field trips, post-secondary visits, and curriculum work. Students will be required to complete paperwork that supports the program including but not limited to: job application, resume, covering letters, job interview, reflective learning, and work experience evaluation. Through Career Explorations 12, students will complete a grad transition plan.

INDEPENDENT DIRECTED STUDIES

The following course offerings are intended for students who wish to study/go further into a specific subject area. Students must have successfully completed the pre-requisite course before embarking on independent directed studies. The following are suggestions only. There are many other possibilities for IDS in a variety of subject areas. The development of an Independent Directed Studies course has traditionally been an arrangement between the student and the teacher. The Teacher's role is that of facilitator and mentor. The student plans their research and study with support from the teacher.

1. BUSINESS LAW

This course presents a practical study of Canadian Business law and represents a useful tool for students pursuing careers in the field of business or plan on pursuing a trade with the intent on being self-employed. Areas covered in this course include topics such as: civil procedure, fundamentals of contracts. The course also covers specialized contracts in the areas of: sale of goods and consumer protection, leasing and bailment, employment, agency, negotiable instruments, landlord and tenant law and structure of business organizations. A portion of the course will involve exploring the differences and benefits of business structure such as sole proprietorship, limited business, partnerships and corporations. Participation in the course prepares you to recognize and feel comfortable with the legal aspects of doing business.

2. INTERNATIONAL RELATIONS

This course represents a practical study of current international geo-political issues and the study of basic economic principles as they apply to governance and globalization. This course is intended to provide students with a solid background in international current affairs covering every area of the globe. Some of the topics planned to be covered are: Afghanistan; the democratization of sub-Sahara, Middle Eastern and Asian nations; the BRIC (Brazil, Russian, India and China) countries; the Israeli-Palestinian conflict; the Iranian issue; the rise of South and Central America; the European Economic Community.

DISTRICT PROGRAMS: CAREER TECHNICAL CENTRE (CTC)

A significant labour shortage in British Columbia is projected over the next ten years; perhaps over a million job opportunities will be available. The Career Technical Centre offers programs that allow students to learn more about "in demand" jobs, gain work-based training, and/or earn post-secondary training while attending high school. Contact the CTC today to begin the career path that's right for you.

*BC's Labour Market Outlook 2014-2024

<http://www.welcomebc.ca/Work/labour-market-outlook.aspx>

Please visit the CTC website to register or learn more about our programs. In most cases, these programs are for students that are under the age of 19 years old. See program requirements for more details.

REGISTER TODAY: www.ctc-careerpaths.ca

DUAL CREDIT – TRADES AND APPLIED SKILLS (formerly known as CTC or Acelt)

This program is open to grade 12 students.

The Dual Credit Trades and Applied Skills Program is a provincially recognized partnership between Nanaimo Ladysmith Public Schools and Post-Secondary Institutions. Students involved in this program earn both high school and university credits (dual credits) during their studies.

Successful applicants are sponsored and do not pay tuition fees. Students are required to pay for application fees, activity fees, books and supplies. Since students are classified as high school students they are **not eligible for student loans**. Students normally graduate at the same time as their peers, but receive a post-secondary credential in addition to their high school diploma.

Seats are currently offered in the following programs:

Applied Business Technology for Admin Assistant, Legal Secretary, or Accounting Assistant | Automotive Service Technician | Automotive Collision Repair | Automotive Refinishing | Baker | Carpenter | Professional Cook Level 1 and 2 | Electrician | Hairdresser | Heavy Duty Mechanic | Heavy Equipment Operator | Health Care Assistant | Horticulture | Information Technology & Applied Systems | Power Sport Marine & Motorcycle Technician | Refrigeration Mechanic | Welder

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Students are encouraged to consult with their school counselor about this graduation option. Although basic requirements vary from program to program, a passion for the trades training or applied skills program is considered a minimum standard for program consideration. Applicants must complete an assessment prior to acceptance in this program. Registration is ongoing. See website for program deadlines.

TRADES DISCOVERY - VIU

The Trades Discovery Program (TDP), offered at the VIU campus, from February-April, provides a hands-on experience in a variety of in-demand trade careers. Although this course is very popular, it is not offered every school year so please check the CTC website in December or January to see if it will be offered in February. For May and June, students complete academic courses with Learn@home and/or earn work based training hours and credit for work experience or secondary school apprenticeship.

DUAL CREDIT – ENRICHMENT - VIU

These courses are open to grade 11 students. Courses are attended during grade 12.

The Dual Credit Enrichment program provides full access to classes for the strongest applicants who are entering post-secondary studies for the first time! High school transcripts must show a minimum of three “A” grades and one “B” grade. These grades must be attained in English 11, plus three additional Grade 11 courses. If you qualify, you do not want to miss this opportunity to be awarded the highest priority for registration to almost all first year courses. Information sessions are usually in early February. Registration is ongoing and online. Successful applicants will be contacted and registered in early May. Students can enrol in up to two courses per semester and four courses per year. The tuition is paid for by the school district but students are responsible for the application fee, student fees, materials, and textbooks. It is important to discuss this option with your counsellor and parents. Both high school credit and university credit is earned. See the CTC website for deadlines.

DUAL CREDIT – Special Admissions

These courses are open to grade 12 students.

Students can enrol in university courses during grade 12 and receive both grade 12 elective credits and university credits. Students who meet program requirement or have talent in a particular area of study are encouraged to check into this incredible opportunity. Many programs require the completion of a first-year English course. All first year English courses have a prerequisite of English 12 with a minimum grade of “C”. If accepted, students can choose to take up to four courses a year and have their tuition paid. It is important to discuss this option with your counsellor and parents. See the CTC website for more information about course selections and deadlines to apply. For additional information about this program, and to learn more about “Special Admission” see the VIU website, www2.viu.ca/dualcredit.

DUAL CREDIT – COHORT - VIU

These courses are open to grade 12 students.

VIU may offer a university course at one of the district high schools. This course will be offered in the late afternoon or evening to ensure that it does not conflict with regular high school classes and it is open to all students in the district. See the website to see when and where the next course will be offered. The application process and entrance requirements will be the same as “**Special Admissions**”.

INTRODUCTION TO TRADES - NDSS

This program is open to grades 11 and 12 (special permission may be given to grade 10’s)

This semester long program, located on the NDSS campus, allows students to complete academic classes and participate in daily hands-on learning. Students have the potential to earn up to 4 courses or 16 credits. Most students choose to complete Math and English or Communications. Trades related projects promote skills in

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carpentry, plumbing, electrical and basic welding. Projects are usually done on site but sometimes students will work offsite on projects or mentor elementary students. Transportation is available from most schools. This program is available during both semesters so students can leave or return to the parent school. The goal of this course is to help prepare students for a future in construction or create a pathway to the Dual Credit Trades and Applied Skills program (formerly known as CTC or Acelt).

WORK EXPERIENCE 12

The minimum age for this course is 14 years old.

The work experience program helps students prepare for the transition from secondary school to the world of work. Through work site experiences, students have the opportunity to observe and practice generic employability skills required in the workplace, as well as technical and applied skills relating to specific occupations or industries. In most cases, work experience consists of non-paid placements. Hours begin AFTER the registration package has been approved. If the student is employed then the employer sponsors must provide WCB coverage. The Province covers WCB for non-paid employment placements. Registration is ongoing.

SECONDARY SCHOOL APPRENTICESHIP (SSA)

This program is open to youth ages 15 – 19 years. Employers must provide a registered ITA employer sponsor.

Secondary School Apprenticeship enables students to begin earning work-based training hours. Hours will be registered and applied toward a student's apprenticeship, and accumulated hours allow students to earn up to 4 courses or 16 credits. Additionally, SSA students may be eligible for a \$1000 scholarship. This scholarship is intended to assist the apprentice with the purchase of tools, equipment, materials or tuition necessary to continue in their trade. Hours begin AFTER the employer is registered as a sponsor and the application package has been approved. The employer sponsor must provide WCB coverage for SSA students. Registration is ongoing.

CAFETERIA – NDSS

This program is open to grade 11 and 12 students.

The purpose of Cafeteria Training is to provide a basic introduction to the professional kitchen and the ways in which it operates. Cafeteria Training 11/12 focuses on food quality, preparation, and service. Students develop the skills necessary for commercial food preparation as they participate in activities related to receiving, storing, preparing, and presenting nutritious foods. In the Cafeteria at NDSS students will learn the ins and outs of becoming cooks. Cafeteria Training is a great beginning for students interested in becoming a caterer, chef, restaurant owner, or moving into a variety of related fields. Registration is arranged with counsellors at NDSS.

LEARN@HOME

Learn@Home 8-12 is Nanaimo-Ladysmith School District's on line high school program. Learn@Home offers part-time and full-time studies and support to all Nanaimo and Ladysmith students in our district.

Learn @Home offers more than ninety core and elective courses. Students may complete their entire Grade K-12 studies with Learn@Home (virtually or a blend of virtual and face-to-face), or may take individual Grade 10-12 courses at any time.

Key Features of Learn@Home

- Learn@Home courses can be taken while enrolled at your regular school, as a stand-alone course, or as a part of a full complement of courses taken through Learn@Home
- Over 90 online courses are offered with flexible pacing

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- Ability to personalize your learning
- Certified BC teachers work with students, parents, counsellors and schools
- Year-round school (Ask about their Musical Theatre Academy in the summer!)

LEARN@HOME FOR NDSS STUDENTS

For NDSS students who take a Learn@Home course, students can access a DL Support block to do their course.

PE 10 Learn@Home must be done outside of the school day (timetable) and no DL Support block is provided for this course.

Foundation Courses

FRENCH IMMERSION

Required courses for French Immersion Graduation:

Grade 10

1. Français Langue 10 (French 10 Immersion)
2. Sciences Humaines 10 (Socials 10 Immersion)
3. Sciences 10
4. Mathématiques 10 (Fondements et Pre-Calcul 10)

Grade 11

1. Français Langue 11 (French 11 Immersion)
2. Sciences Humaines 11 (Socials 11 Immersion)
3. Mathématiques 11 (Fondements et Pre-Calcul 11)

(Students must take Français Langue 11 and a minimum of one other course – either 2 or 3).

Grade 12

1. Français Langue 12 (French 12 Immersion)

FRANÇAIS LANGUE (Immersion) 10

The Grade 10 program includes a comprehensive study of language and literature. The study of clauses and the function of verbs in sentences will be reviewed and applied to higher levels of composition. Novels of a mature level in themes and characters will be studied. The study and writing of poetry will conclude the program.

La dixième année inclut une étude compréhensive du développement de la langue et de la littérature. L'étude des propositions subordonnées, des conjonctions, la fonction des verbes sera révisée et appliquées à un niveau supérieur de rédaction. L'étude de la poésie fera aussi partie du programme.

FRANÇAIS LANGUE (Immersion) 11

FRANÇAIS LANGUE (Immersion) 12 - Provincial Exam 40%

The FRAL 11 and FRAL 12 courses are compulsory courses for all students in the Secondary Immersion program. The courses continue the integrated study of four skills: speaking, listening, reading, and writing. In addition, emphasis is put on the study of French and French Canadian literature.

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Les cours FRAL11 et FRAL12 sont obligatoires pour tous les élèves d'Immersion Française. Ces cours poursuivent l'intégration des habiletés suivantes: l'oral, l'écoute, la lecture et l'écriture. De plus, l'emphase est mise sur l'étude de la littérature française et québécoise.

SCIENCES HUMAINES 10 (Socials 10 Immersion)

This program will cover the same course material and have the same objectives as Social Studies 10 program. All instruction and work will be in French.

Le but des Sciences humaines est de faire des élèves et des citoyens responsables, qui ont l'habileté de recueillir l'information nécessaire pour être capable de considérer les choses de différente façon de former un point de vue.

Dans ce cours, nous couvrons le Canada de la période de 1815 à 1914. Nous parlons des points suivants:

- a. L'identité, la société et la culture
- b. Le système de gouvernement
- c. L'économie et la technologie
- d. Le milieu naturel

SCIENCES HUMAINES 11 (Socials 11 Immersion) - Provincial Exam 20%

This program will cover the same course material and have the same objectives as Social Studies 11 program. All instruction and work will be in French. There will be a provincial examination at the end of this course.

En 11^e année, nous couvrons le Canada au XX^e siècle. Nous traiterons des points suivants :

- a) identité canadienne (diversité régionale, culturelle et ethnique)
- b) le Canada et le monde (interdépendance mondiale, conflits du XX^e siècle, aide humanitaire)
- c) citoyenneté canadienne et appartenance à la communauté internationale.

SCIENCES 10 (Immersion) - Provincial Exam 20%

All instruction and materials are in French. Course outline is the same as Science 10.

Le cours de sciences naturelles 10 représente une continuité de thèmes qui ont été développés en sciences 9. Le cours prépare l'élève à une orientation spécialisée en chimie, biologie, sciences de la Terre et physique pour se rendre au niveau de la 11^e année. Il suit des objectifs du programme de science 10 qui sont prescrits par le ministère de l'éducation. Une emphase particulière est place sur l'écologie (étude des Types de réaction chimique), sur la physique (étude du mouvement) et sur les transferts d'énergie dans les systèmes naturels. L'élève sera appelé à développer des techniques d'enquête en utilisant la méthode scientifique.

MATHS: FONDEMENTS ET PRE-CALCUL 10 - Provincial Exam 20%

This program will cover the same course material and have the same objectives as the grade 10 math program. All instruction will be in French. Tests and quizzes will be written in French. A mark of 60% in Math 9 is strongly suggested in order to be successful in Math 10. Students will have to write a provincial exam at the end of the course.

Afin d'être éligible au cours de mathématiques 10, les étudiants doivent satisfaire les exigences du cours de mathématiques 9. Le cours est enseigné en français. Les tests et les quiz sont écrits en français. Une note de 60% en mathématiques est fortement suggérée, afin d'avoir du succès en mathématiques 10. Les étudiants doivent écrire un examen provincial à la fin de ce cours.

MATHS: FONDEMENTS ET PRE-CALCUL 11

The instruction and notes for Math 11 are in French and the text book, the exams and quizzes are in English. The content of the course is as follows:

The course will be offered in conjunction with the English Mathematics 11. The exams (mid term, end of term and final) will be the same for the Immersion students as the English students.

The availability of a French Mathematics 11 course offers two distinct advantages for French Immersion students. Firstly, it allows French students who do not plan to go further with their study of mathematics to complete the government requirements for mathematics in French (the same language that they have been using in mathematics since they started French immersion). Secondly, it will help French students who are planning to do Mathematics 12 in English to make an easy transition.

PRE-CALCUL 11

Recommendation: Students should have passed Foundations of Mathematics and Pre-calculus 10 with a minimum of 60% to be eligible for this course. It is strongly recommended that students with less than a C in Foundations of Math/Pre-calculus 10 repeat Math 10 to upgrade before advancing to this course. This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus.

Topics: absolute value, radicals, radical equations, rational expressions and equations, angles in standard position, trigonometry, cosine and sine law, factoring polynomials, absolute value functions, quadratic functions and equations, linear and non-linear systems of equations and inequalities, arithmetic sequences and series, reciprocal functions.

The availability of a French Mathematics 11 course offers two distinct advantages for French Immersion students. Firstly, it allow French students who do not plan to go further with their study of mathematics to complete the government requirements for mathematics in French (the same language that they have been using since they started French Immersion). Secondly, it will help French students who are planning to do Mathematics 12 in English to make an easy transition.

HEALTH AND CAREER EDUCATION

PLANNING 10

Planning 10 is a 4 credit, full semester, Ministry required course for graduation. This foundation course is designed to enable students to develop the skills they need to become self-directed individuals who make thoughtful decisions, set goals, and take responsibility for pursuing their goals throughout life. Students will explore a wide range of career and post-secondary options, think critically about health issues and decision making, develop financial literacy skills, and plan the actions required to pursue future goals.

In summary what will students learn in Planning 10?

There are six units in Planning 10, they are:

1. Who Am I...?
2. Graduation Program
3. Education and Careers
4. Finance
5. Mental and Emotional Health
6. Physical and Sexual Health

ENGLISH

The guiding principles of this department are centered on the belief that the communication skills of listening, speaking, reading, and writing are at the core of the educational process. Further to this, through the study of literature comes the awareness and understanding of our culture. Thus the fundamental obligations of the English program may be stated as follows:

1. To develop each student as far as possible in the skills of listening, reading, speaking, and writing.
2. To enhance the capacity of the student for thinking both critically and imaginatively.
3. To foster an appreciation of the English language and its literature.
4. To provide the opportunity through literature for examining values by which to live.
5. Literacy strategies may be employed.

ENGLISH 10 - Provincial Exam 20%

At this level, students should be capable of writing both expository and imaginative, multi-paragraph compositions. Vocabulary and public speaking development will be maintained. In literature, insight and the ability to make intelligent interpretation of the material will be further developed. An examination of various media will also be part of the course.

ENGLISH LANGUAGE FIRST PEOPLES 10

English First Peoples 10 is an exciting addition to the high school curriculum that offers students of all backgrounds the opportunity to explore First Peoples' worldviews through the study of literary, informational and media text with local, Canadian, and international content founded on the First Peoples Principles of Learning. This course focuses on the experiences, values, beliefs, and lived realities of First Peoples in various forms of text—including oral story, speech, poetry, dramatic work, dance, song, film, and prose (non-fiction and fiction). English First Peoples 10 is the academic equivalent of English 10 and students will develop the English language and literacy skills and capacities they must have in order to meet British Columbia's graduation requirements.

ENGLISH LANGUAGE DEVELOPMENT 11

This course has been developed to support and encourage beginner level International students to read, write, listen and speak English. Students will be introduced to a wide variety of reading material that introduces cultural diversity as well as expand on their Canadian experience. This course provides a supportive function whereby vocabulary, as well as reading and writing abilities, receives substantial attention. The course utilizes a student-focused pace and stresses the importance of reading comprehension. Literacy terminology is also an important component. Students will be introduced to a variety of genres including short stories, non-fiction prose, poetry, novels and plays.

ENGLISH 11

English 11 helps improve six main skills: thinking, speaking, reading, writing, viewing and listening. Through oral practice, students are encouraged to make precise statements in discussions and to speak to small audiences. All forms of literature will be read and studied. Students in English 11 focus on honing essay writing skills.

ENGLISH 12 - Provincial Exam 40%

Using more advanced materials than in English 11, students will continue to develop reading, writing, speaking, viewing and listening skills. With increasing emphasis on structure and appropriate style, practice will be given in paragraph, essay, and term paper writing. Students will be encouraged to read widely and critically.

Oral English, including drama, will receive continued emphasis. The five types of literature – poetry, drama, novel, short story, and essay – will be studied for structure and content. Marks will be based on oral work, written assignments and unit tests. Students will select one of EN 12, or TPC 12 or COM 12. Provincial Exam preparation is ongoing throughout this course.

ENGLISH 12 FIRST PEOPLES - Provincial Exam 40%

English 12 First Peoples is one of three provincial courses available for students to satisfy the grade 12 English Language Arts graduation program requirement in British Columbia. It is designated as a four-credit course. Like English 12, English 12 First Peoples (EFP 12) is designed to satisfy the entrance requirements for the full range of postsecondary educational programs. Students are expected to demonstrate understanding of sophisticated texts of recognized literary merit and complete challenging assignments to rigorous academic standards.

This course is different from the existing English 12:

- It is based entirely on the study of “texts” representing authentic First Peoples voices (“texts” is here understood to refer to oral, audio, visual, cinematic, and electronic media works as well written works)
- It incorporates First Peoples principles of learning in the curriculum content and espouses their application in the teaching of the course (pedagogical approaches promoted include direct learning, learning outside of the classroom environment, and incorporating a recursive approach to texts)
- It places increased emphasis on the study and command of oral language and on First Peoples oral tradition
- It recognizes the value of First Peoples worldview, and the importance of culture in language and communication (e.g., the participation of guest speakers from local First Nations or Métis communities in learning is encouraged) It promotes teaching the curriculum through a focus on themes, issues, and topics important to First Peoples.

COMMUNICATIONS 11

Communications 11 is directed to those students who do not wish to continue with regular English. Basic skills are offered in writing, reading and communication skills. Listening and speaking skills are also studied. Communications 11 is a viable option for students who may not wish to pursue a regular English 11 program. However, universities and some colleges may not accept communications courses.

COMMUNICATIONS 12 - Provincial Exam 40%

Communications 12 is a continuation of Communications 11 at a more advanced level. The course focuses on enhancement of writing, reading, and communication skills. A special willingness to participate and work is necessary to succeed in this course. Provincial Exam preparation is ongoing throughout this course. Communications 12 may not meet the entrance requirements of some universities and/or colleges, but it does fulfill the language arts requirements for graduation.

ENGLISH LITERATURE 12

This course provides a survey of English Literature from Anglo-Saxon times to the 20th century. In addition to providing a study of poetry, prose, and drama from the works of major authors, it also provides a social history of each period. The student studies individual authors in relation to the times in which they lived, and consider contemporary literature in perspective. This course is designed for students interested in broadening their background and for those planning to go on to further study in English. Writing is an important part of the course. Please note that this course is offered subject to enrolment.

WRITING 12 (CREATIVE)

This course provides opportunities for students to “experience” writing through a variety of classroom activities. The students are required to prepare a writing portfolio which emphasizes the writing process – beginnings, revisions, and published works. This course encompasses many different kinds of writing including journal writing, descriptive writing, poetry, fiction and non-fiction. There are a number of guest speakers throughout the program who provide information about the writing profession.

As part of the requirements for Writing 12, it is expected that students will sincerely try to publish their work. Publishing opportunities are provided and it is expected that students will contribute their work for publication. Students are also expected to present their work once per week as well as complete critiques on the work of others in the class. Please note that this course is offered subject to enrolment.

SOCIAL STUDIES

SOCIAL STUDIES 10

SS10 will be offered based on the old curriculum. This course focuses mainly on 19th Century Canada. Topics include: Confederation, Westward expansion, Aboriginal peoples, Canadian geography and British Columbia. This course is currently being revamped by the BC Ministry of Education and is in the draft stages. The new SS10 is expected to be delivered in the Fall of 2017.

SOCIAL STUDIES 11 – Provincial Exam 20%

Students must have credit in either Social Studies 11, First Nations 12 or Civic Studies 11 in order to graduate.

The aim of Social Studies 11 is to develop thoughtful, responsible, active citizens who are able to acquire requisite information as they consider multiple perspectives and make reasoned judgments. Students will have opportunities to reflect critically upon events and issues in order to examine the present, make connections with the past, and consider the future.

Students will

- develop an appreciation of democracy and what it means to be Canadian
- demonstrate respect for human equality and cultural diversity
- become familiar with the rights, responsibilities, and practices of active Canadian citizenship
- explore Canada's role in the conflicts of the 20th century and its contribution to global stability
- develop understanding of key environmental issues and challenges of global development
- explore important issues related to Canada's evolving identity.

CIVICS STUDIES 11 – Provincial Exam 20 %

The aim of Civic Studies 11 is to enhance students' abilities and willingness to participate actively and responsibly in civic life. Informed citizens are the basis of any democratic society. Students will develop the knowledge and skills to become informed decision makers on a range of civic issues. Students will learn how to evaluate historical and contemporary civic decisions that defined the Canadian identity. Students will examine a range of civic actions and develop a personal understanding of public involvement, their place in civic processes, and take a position and implement a plan of action on a relevant civic issue.

BC FIRST NATIONS STUDIES 12 – Provincial Exam 20 %

BC First Nations Studies 12: Students will acquire knowledge about First Nations people and their traditional strong relationship with the land and natural world. Students examine traditional First Nations settlement patterns and concepts of land and resource ownership. Students will investigate the impact of contact, religion, and colonialism on the social structures, economies, and education of BC First Nations and the Métis people in western Canada. Students will also study First Nations oral traditions and literature, artistic traditions, and aboriginal identity and self-determination. Students will identify and analyze contemporary legislation, policies, and events affecting the self-determination of Aboriginal people.

BC First Nations Studies 12 is intended to document, recognize, and express a holistic perspective. It also provides an opportunity for students to examine the past, analyse the present and consider possibilities for the future.

This course is open to all NDSS students in grades 11 and 12.

NDSS Course Selection Booklet 2016-2017

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GEOGRAPHY 12

This course is open to grade 11 and 12 students

Geography 12 addresses both the physical and human-created systems of the world in the study of people, places, and environments. In our society today there is a need for a society that is able to make informed decisions about the sustainability of the earth's resources and the future of the planet.

In Geography 12 students will learn to interpret the landscape and understand the interconnections between his or her actions and the earth's physical systems locally, regionally and globally.

Students will also develop skills mapping usage in acquiring and accessing databases, in analyzing and interpreting data, and representing their findings.

LAW 12

These courses are open to grade 11 and 12 students

Students learn about the role of law in regulating their lives and the institutions that create and enforce the law. They learn why society criminalizes certain behaviors, what constitutes a crime, how society deals with criminal behavior and the effect of crime on society. Students learn about tort and contract laws that regulate the conduct of individuals and organizations in relation to one another.

Law 12 fosters skills and attitudes that enhance students' abilities to address legal, social and ethical issues, and reflect critically on the role of law in society. The study of law also promotes the skills and abilities needed to clearly express ideas, argue effectively and logically, and accurately interpret the written word.

Law 12 is designed to provide learning opportunities for students with a wide range of interests and skills.

- Law and Society
- Classifying the law
- Government and Statute Law
- Canadian Charter of Rights and Freedoms
- Human rights
- Understanding Civil Procedure
- Unintentional Torts
- Intentional Torts

BUSINESS LAW 12 (INDEPENDENT DIRECTED STUDIES)

This course is open to grade 11 and 12 students.

Students in this course will develop and expand on Contract Law principles as covered in Law 12 or some Family Law themes covered in Criminology 12. The course is especially suited to students planning on pursuing studies in business, engineering or commerce at the post-secondary level. It would also be considered a relevant study of basic legal information for students pursuing a career in trades or planning on running a personal business. This course is intended to help students navigate some of the following basic legal themes;

- Consumer Protection Legislation
- Sales of Goods Act
- Landlord and Tenant legislation
- Various Contract Law themes
- Basics of Family Law
- Basics of Corporate Law regarding registration of a business

CRIMINOLOGY 12 (LAW12A)

This course is open to grade 11 and 12 students.

Criminology 12 is designed as an introductory course in criminal law and the science of criminology. The course deals extensively with the basic foundations of criminal law, theories of crime, crime causation and will provide students with information on crime in Canada. The course is ideally suited to students intending to pursue a career in law, probations, law enforcement, social work and corrections.

Course outline:

I Crime and society

1. What is crime?
2. Nature of crime
3. Investigation and arrest
4. Criminal offences
5. Criminal court system
6. Defenses for the accused
7. Sentencing and the correctional system

II Explanation of crime and criminal procedure

1. Classical and neoclassical thought
2. Biological roots of criminal behavior
3. Psychological and psychiatric foundations of criminal behavior
4. Criminology and social policy

COMPARATIVE CIVILIZATIONS 12

This course is designed for the student interested in ancient world civilizations and mythologies. During the semester, students will examine the art, literature, philosophy, social structure, and culture of ancient civilizations, including those of the Greeks, Vikings, Egyptians, Mayans, and others. Particular attention will be paid to the mythologies of these ancient cultures enabling students to appreciate the connections to our modern cultural values and systems.

Students planning to take post-secondary courses in history, literature, philosophy, and fine arts should consider this course as an introduction.

PSYCHOLOGY 12

This course is open to grade 11 and 12 students

Psychology 12 invites students to critically reflect on psychological issues and concepts. Topics include Contemporary Approaches to Psychology, Infancy, Childhood and Adolescence Development, Learning Theories, Personality, Disorders and Mental Health Issues, Treatment and Research. Case studies, documentary video, labs, projects, class discussion and other media are part of the course.

SOCIAL JUSTICE 12

This course is open to grade 11 and 12 students

What is Social Justice? Social Justice is the assurance that the basic human rights of all people are upheld. Examine social justice issues such as sustainability, food safety, racism, homophobia, sexism, health and well-being, poverty, mass media influence, environmental issues and globalization. This course will offer you the opportunity to look at the causes and consequences of oppression and injustice, both in Canada and globally. This course will challenge students to become more aware about current issues that are not often presented in the mainstream media. Much of this course will be presented through contemporary video resources and current publications on the

NDSS Course Selection Booklet 2016-2017

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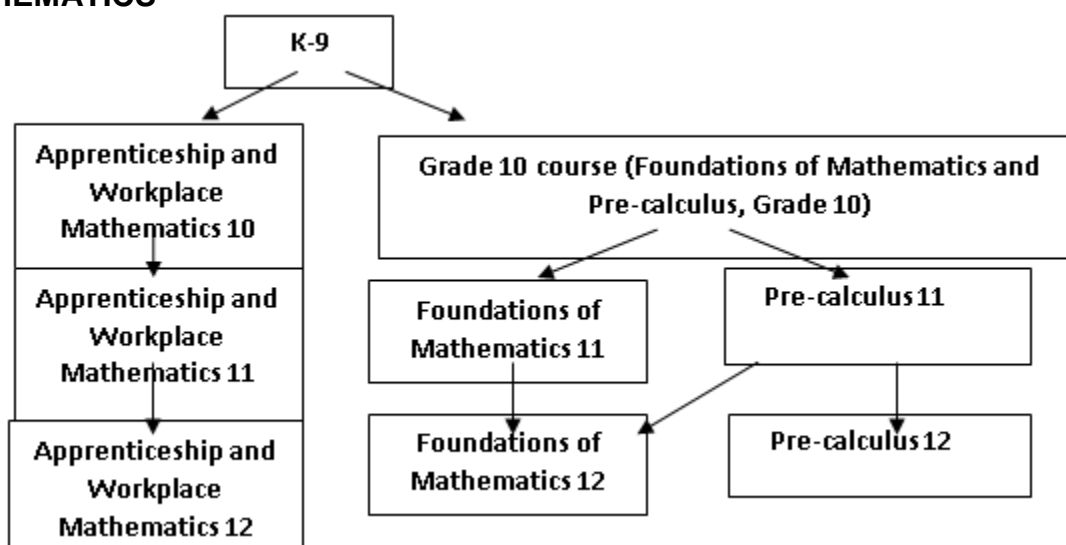
internet. Parts of the course will require students to become active in their community. Challenge yourself to be an educated, fair and open-minded global citizen! This exciting elective course may be of particular interest to grade 11 and 12 students who have a passion to critically inquire into relevant social issues that affect their lives and communities.

HISTORY 12

This course is open to students who have completed Social Studies 11

This course is designed for students who are interested in 20th Century world history and want a more detailed study than Social Studies 11 provides. The topics may include but are not limited to: First World War, Post War Europe and Asia, Rise of Fascism and Communism, Japan's supremacy in Asia, World War Two, Cold War and the Soviet Collapse and the Middle East. Students planning to take History or Geography in post-secondary courses may consider this course to be an introduction.

MATHEMATICS



PATHWAYS AND TOPICS

The Common Curriculum Framework for Grades 10–12 Mathematics includes pathways and topics rather than strands as in *The Common Curriculum Framework for K–9 Mathematics*. Three pathways are available: Apprenticeship and Workplace Mathematics, Foundations of Mathematics, and Pre-calculus. A common Grade 10 course (Foundations of Mathematics and Pre-calculus, Grade 10) is the starting point for the Foundations of Mathematics pathway and the Pre-calculus pathway. Each topic area requires that students develop a conceptual knowledge base and skill set that will be useful to whatever pathway they have chosen. The topics covered within a pathway are meant to build upon previous knowledge and to progress from simple to more complex conceptual understandings.

GOALS OF PATHWAYS

The goals of all three pathways are to provide prerequisite attitudes, knowledge, skills and understandings for specific post-secondary programs or direct entry into the work force. All three pathways provide students with mathematical understandings and critical-thinking skills. It is the choice of topics through which those understandings and skills are developed that varies among pathways. **When choosing a pathway, students should consider their interests,**

NDSS Course Selection Booklet 2016-2017

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both current and future, along with their future career choices. If undecided, students in Math 10 may consider taking BOTH Apprenticeship and Workplace 10 and Foundations/Pre-calculus 10. Students are encouraged to research the admission requirements for **post-secondary programs of study as they vary by institution and by year.** *Replicated from WNCPC Common Curriculum Framework document

<http://www.wncpc.ca/media/38771/math10to12.pdf>

APPRENTICESHIP AND WORKPLACE MATH 10 – Provincial Exam 20%

This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Topics include algebra (manipulation and application of formulas), geometry (spatial puzzles, Pythagorean Theorem, similar polygons, angles), trigonometry (primary ratios), measurement (international and imperial systems, linear, area, 2D, 3D), and number (unit pricing, currency exchange, proportions, personal finance).

Upon successfully completing this course students will enroll in Apprenticeship and Workplace 11.

Equipment: Scientific calculator, pencils, erasers, lined paper, binder, ruler.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 - Provincial Exam 20%

Recommendation: Students should have passed Math 9 with a minimum of 60% to be eligible for this course. It is recommended that students with less than a C in Math 9 repeat Math 9 before advancing to this course or consider Apprenticeship and Workplace Math 10.

This pathway is designed to provide students with mathematical understandings and critical-thinking skills identified for post-secondary studies. Topics include measurement (linear, conversion, surface area and volume), trigonometry (primary ratios), algebra and number (factoring, irrational numbers, powers with integral and rational exponents, multiplying polynomials), relations and functions (graphs, slope, linear relations, domain, range, equations, function notation, systems of linear systems).

Upon successfully completing this course students will enroll in Foundations of Mathematics 11 or Pre-calculus 11.

APPRENTICESHIP AND WORK PLACE MATHEMATICS 11

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Topics: Problems involving SI and Imperial units, surface area, volume, right triangles, trigonometry, scales and proportions, 3-D objects and views, number puzzles, personal budgets, compound interest, financial institutions services to access and manage finances, credit options, application and manipulation of formulas, slope proportional reasoning and unit analysis, creating and interpreting graphs.

FOUNDATIONS OF MATHEMATICS 11

Recommendation: Students should have passed Foundations of Mathematics and Pre-calculus 10 with a minimum of 60% to be eligible for this course. It is recommended that students with less than a C in Foundations of Math Pre-calculus 10 repeat Math 10 to upgrade before advancing to this course.

Topics: rates, proportions, scale diagrams, surface area, volume, problems and properties of angles and triangles, cosine and sine laws, inductive and deductive reasoning, spatial puzzles, statistics (normal distribution, confidence intervals and levels, margin of error) systems of linear inequalities, quadratic functions, math research project.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do **NOT** require the study of theoretical calculus. Students who are planning on pursuing post-secondary studies in math or sciences should take Pre-Calculus 11 and 12.

Upon successfully completing this course students can enroll in Foundations of Mathematics 12.

PRE-CALCULUS 11

Recommendation: Students should have passed Foundation of Mathematics/Pre-calculus 10 with a minimum of 60% to be eligible for this course. It is strongly recommended that students with less than a C in Foundations of Math/Pre-calculus 10 repeat Math 10 to upgrade before advancing to this course or consider Foundations of Math 11.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that **require the study of theoretical calculus**.

Topics: absolute value, radicals, radical equations, rational expressions and equations, angles in standard position, trigonometry, cosine and sine law, factoring polynomials, absolute value functions, quadratic functions and equations, linear and non-linear systems of equations and inequalities, arithmetic sequences and series, reciprocal functions.

Upon successfully completing this course students may enroll in Pre-calculus 12.

FOUNDATIONS OF MATHEMATICS 12

This course is strongly recommended for students who are planning on pursuing post-secondary studies in the arts or the humanities. Topics studied will build on those covered in Foundations Mathematics 11 and include financial mathematics, logical reasoning, probability and relations and functions.

Prerequisite: A final grade of 60% or higher in Foundations of Mathematics 11 is strongly recommended.

PRE – CALCULUS 12

This course is strongly recommended for student who are planning on pursuing post-secondary studies in math or sciences. Topics studied will build on those covered in Pre-Calculus 11 and include trigonometry, functions and transformations, exponential and logarithmic functions, polynomial functions, radical functions, rational functions, permutations, combinations and binomial theorem. Students who successfully master the learning outcomes of this course may continue on to Calculus 12.

CALCULUS 12

Equipment: Scientific calculator – programmable with graphic capability preferred. Consult your math teacher before purchasing the calculator.

Description: The course is designed to give students an introduction to first year calculus at the university level. It is strongly recommended for students who plan to take a science or commerce degree at college or university. Students displaying a good understanding of calculus may elect to write the Advanced Placement Exam in Calculus.

Topics: Will be chosen from first year differential and integral calculus: limits, continuity, the derivative, tangents and normals, implicit differentiation, maxima and minima, rates of change, basic standard integrals, area volumes of revolution, approximation techniques, partial fractions and trigonometric substitutions.

SCIENCE

SCIENCE 10 - Provincial exam 20%

Science 10 continues to build on the concepts of Science 9. Students learn about the sustainability of ecosystems, chemical reactions, radioactivity, motion, and earth forces. Students continue to develop skills in report writing, experimentation and critical thinking.

BIOLOGY 11

Biology 11 is a fun, hands on “survey course”, intended to give students an understanding of the many different forms of living things and how living things came to be. The class covers the fundamentals yet providing students with important problem-solving skills and more awareness of the many misconceptions about biology. As well as ecology and evolution, the course covers three of the five Kingdoms of living things including: Kingdom Monera (viruses and bacteria), Kingdom Plantae (almost everything green!), and Kingdom Animalia (sponges, jellyfish, worms, squid, insects and rats). In every section a variety of live and preserved specimens are used and dissected.

Prerequisite: A final grade of 67% or higher in Science 10 “Biology Component” is strongly recommended.

CHEMISTRY 11

Chemistry 11 concentrates upon theory, problem-solving, and experimentation in a cooperative learning setting. Success depends upon competency with mathematical skills as well as the ability to reason logically in problem-solving situations. Much of this theory is related to the Mole concept and its relationship to stoichiometry. Other topics include trends in the periodic table, nomenclature, chemical reactions, solution chemistry, and an introduction to organic chemistry.

Prerequisite: A final grade of 67% or higher in Science 10 “Chemistry Component” is strongly recommended.

EARTH SCIENCE 11

Earth Science 11 is an introductory course involving aspects of geology and astronomy. Topics are related to the understanding of the earth and the processes which shape its surface and sub-surface. Emphasis is on daily class work and lab activities as well as regular project work.

PHYSICS 11

Physics 11 is a survey course in physics which examines 19th century discoveries in kinematics, dynamics, energy and momentum, electricity and light. A good grasp of algebra and problem solving skills is necessary for a high achievement in this course. Experiments are conducted in each area of study with emphasis placed on superior lab write up and careful analysis of errors in measurement.

Prerequisite: A final grade of 67% or higher in Science 10 “Physics Component” and Foundations Math 10 or 80% in AW Math 10 is strongly recommended.

BIOLOGY 12

Biology 12 is a course that gives insight into the structures of the human body. The course begins with biological molecules and their structure and function. This topic is then followed by the cell, the cell membrane and how it operates. Chapters on DNA, mutations, protein synthesis and enzymes further explore the human body. Finally we delve into the human organ systems, which include the digestive, circulatory, respiratory, nervous, urinary and reproductive systems. In every chapter labs will be performed with as many dissections as possible. Students will learn about diseases as well as healthier lifestyles.

Biology 11 is not a prerequisite for Biology 12.

CHEMISTRY 12

Students taking Chemistry 12 should have a good understanding of Chemistry 11 concepts. Mathematical competence and the ability to reason logically are both essential for problem solving in this course. The course concentrates upon in-depth study of three concept areas:

1. Reaction mechanisms, rates of reaction, dynamic equilibrium and solubility equilibrium.
2. Bronsted-Lowry acid-base theory, buffers, hydrolysis and pH.
3. Oxidation-reduction, electrochemical cells and electrochemistry.

Prerequisite: A final grade of 67% or higher in Chemistry 11 is strongly recommended.

PHYSICS 12

This course builds on the topics from Physics 11 with emphasis on the 2 dimensional aspects of the problems. (The use of vectors.) The second part of the course focuses on electrostatics. There is continued emphasis on careful lab write up and error analysis. A good grasp of trigonometry functions and problem solving skills is necessary for high achievement in this course.

Prerequisite: A final grade of 67% or higher in Physics 11 is strongly recommended.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 10 BOYS

PHYSICAL EDUCATION 10 GIRLS

The aim of Physical Education 10 is to enable all students to develop knowledge, movement skills, and positive attitudes and behaviours that contribute to an active and healthy lifestyle. The Nanaimo District Secondary School Physical Education Program provides opportunities for all students to be physically active regularly and to develop an appreciation for and enjoyment in a variety of activities from the following three categories:

- Individual and Dual Activities (i.e. circuit training, wrestling, jogging)
- Games Activities (i.e. volleyball, soccer, badminton)
- Movement Activities (i.e. flexibility and agility)

In addition to the activity categories, Physical Education focuses on a set of Prescribed Learning Outcomes that consist of Active Living, Movement, Safety, Fair Play and Leadership.

PHYSICAL EDUCATION 11 (COED)

Physical Education 11 and 12 are elective courses open to all students. The course will contain many of the dual and individual activities taught in PE 8-10. The main objective is to provide physical education students with an opportunity to develop knowledge, skills and attitudes necessary to incorporate physical activity into their regular routines and leisure pursuits to live an active, healthy life. The learning outcomes for Physical Education 11 and 12 are grouped under the following curriculum organizers:

1. Active Living (i.e. design personal training program, organize intramural event, doubles strategy in badminton)
2. Movement (i.e. plan a soccer practice, "J" stroke in canoeing, fitness assessment and skill acquisition)
3. Social Responsibility (i.e. safety routines and procedures, etiquette and fair play, leadership and organizational skills)

In addition to participating on a regular basis the students will be expected to take on a leadership role within the class or in the community for an extended period of time. Off campus experiences in leisure pursuits are also a part of PE 11 and 12. These activities may include canoeing, tennis, orienteering, bowling, swimming, skating, golf, etc. On completion of the course, the students will have fulfilled the 80 hour requirement for the Personal Health portion of their Graduation Transition.

PHYSICAL EDUCATION 12 (COED)

Physical Education 12 is an elective course open to all students who wish to continue in Physical Education. Physical Education 12 will continue to provide enjoyable experiences and skill development in fitness, sport, leisure activities and student leadership. Greater emphasis will be placed on recreational activities, some of which will take the student off campus. Students will be expected to demonstrate their leadership skills by volunteering at least ten hours of personal time to organize and run activities related to Physical Education or Athletics (Intramural, tournaments, officiating). Much of this activity will occur at lunch time, after school, or on the weekends. Students who are unable to accommodate these requirements into their school, working, or personal life may do well to consider other course offerings. Student evaluation will emphasize participation, organizational skills and leadership.

FITNESS AND CONDITIONING 10-12

This fitness class is designed to provide each student with the knowledge needed to understand the importance of strength and fitness training. This specialty course will introduce and develop the basics of training and nutrition for sport. Students will understand the importance of setting goals for personal improvement and achievement, and will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle. Students will be given the opportunity to engage in a training program that will fit their specific training objectives and needs, as well as pursuing specific training goals.

SPORTS ACADEMIES

NDSS FIELD LACROSSE ACADEMY 11-12

The NDSS Field Lacrosse Academy is a year-long Program of Choice designed to provide aspiring lacrosse players greater choice in meeting their learning goals and graduation requirements while offering the opportunity to further develop and refine their lacrosse-related skills. The academy will offer student athletes a high performance lacrosse program focused on developing their total game including: individual fundamental skills, offensive & defensive team strategies, competitive preparation, strength & conditioning and mental toughness. Emphasis is placed on developing the skills and abilities of the student athlete. **NEW STUDENTS MUST COMPLETE AN APPLICATION PACKAGE TO BE CONSIDERED FOR THIS PROGRAM.** Returning players must complete the Academy Returning Player form. Application deadline is February 19th, 2016. All applications received after February 19th will be put on the waitlist.

HOCKEY ACADEMY 9 – 12

The Hockey Academy is designed to provide additional training for Minor Hockey aged players by focusing on individual skill development as part of a regular academic program. The program is open to keen students who wish to improve their individual skills and maximize their potential on and off the ice. The program is connected to Hockey Canada Skills Academy standards and the students are on the ice three times a week with two days of class instruction on areas such as, nutrition, fitness, cross training and mental imagery training. Hockey Canada supports academies that maximize the arena facility use during weekday hours. Students should be participating in hockey in the community. Strong academic performance is emphasized throughout the student's development. **Registration must be accompanied by an application IF you are a new student. There are required course fees of \$800 for the semester.**

SOCCER ACADEMY 9 – 12

This course is designed for keen soccer players who have the desire and commitment to develop their soccer skills and knowledge in an educational setting, as part of their regular academic program. Registrants must be registered in youth soccer, at the club-level or above. The focus of the course is individual development, rather than inter-school competition. For many, this developmental program will enhance their opportunity to take their game beyond high school or youth soccer to the college or university level. Strong academic performance is emphasized throughout the student's development. **Registration must be accompanied by an application IF you are a new student. There are required fees of \$400 for the semester.**

BEACH VOLLEYBALL ACADEMY 9 – 12

The Beach Volleyball Academy will focus on both technical and tactical skill development of individual athletes in the sport of beach volleyball. It will be open to any students of all ability levels who wish to participate. This is also a great way for all students interested in high performance training in beach volleyball as students will train and compete against students of the same ability level. This program is fully endorsed by Volleyball BC. Students will participate in Beach Training for a minimum of 80 hours and will also participate in indoor volleyball training, weight lifting and classroom sessions focused on the sport of Beach Volleyball. Strong academic performance is emphasized throughout the student's development. **Registration must be accompanied by an application. There is a required course fee of \$600 for the full school year.**

Elective Courses

LANGUAGES

A second language, e.g. French 11, Spanish 11, is necessary for entrance for entrance to some university programs. Please check admission requirements for any program that you are interested in.

FRENCH 10

The French as a Second Language courses aim to develop communication skills in the language, and an appreciation of the culture of French-speaking countries throughout the world. New language structures and vocabulary are explored through themes and projects. Listening and speaking skills are developed through class activities which relate to the themes. Students are expected to participate in these activities, which include role playing, dialogue development, games and other language presentation. Students will also practice and master reading and writing activities appropriate to their level. Evaluation in French is based on a combination of oral and listening activities, reading comprehension, written assignments and projects, and tests.

Although French 10 is optional, it should be considered a core subject for students with post-secondary goals. This applies especially to students who are planning to enter a university, or a profession which requires knowledge of both of Canada's official languages.

FRENCH 11

FRENCH 12

The senior French courses build on knowledge acquired at the junior levels. Communication continues to be the cornerstone, and most activities, whether speaking, listening, reading or writing, continue to be theme-based. As they develop an ever-increasing vocabulary base and mastery of language structures, students will be able to develop some spontaneity in oral expression, and the ability to describe, narrate events, and discuss ideas at an advanced level. A variety of reading materials, including magazine articles, short stories and poems, will be incorporated into the course. Proficiency in writing will be developed through regular paragraph writing practice.

In addition to the core course work, multicultural themes are explored. Also, through project work, students will have opportunities to become engaged in the use of a variety of media.

The French 12 course provides a review and consolidation of all concepts introduced in previous years. Successful students will have developed the ability to speak, read, listen and write at a sophisticated level.

Recommended course prior to French 12: French 11

SPANISH 10

This course is designed for students who have completed Spanish 9. It offers an oral and written approach to Spanish. It develops basic skills through review of grammar, vocabulary building, oral and written exercises and conversations. Basic features of Hispanic culture including customs, contemporary lifestyles and civilization will be presented.

BEGINNERS' SPANISH 11

This course is designed to help students develop the four basic language skills. It is an accelerated program, which enables students to complete Spanish 9 and 10 in one semester.

Students planning to take this course must be well motivated and be determined to work. Students should select Beginners' Spanish 11 and Spanish 11 in the same year. Beginners' Spanish 11 does not fulfill the second language requirement.

This course is open to students enrolled in Grade 11 and 12.

SPANISH 11

This course builds on skills introduced at Grades 9 and 10 levels. More emphasis is placed on the reading and written aspects of the course as well as vocabulary and general knowledge of the Hispanic World.

Oral presentations and written assignments will expand the core materials of the course.

A project dealing with at least one aspect of Hispanic culture will be presented during the term

SPANISH 12

The grade 12 program builds on the knowledge acquired at the junior and grade 11 levels.

The Juntos program motivates students by focusing on topics that are part of daily life. Juntos Three consists of ten thematic chapters. Each unit is based in a country or region where Spanish is spoken, and each unit theme provides students a point of departure for learning about the culture, history and geography of the unit location. At the grade 12 level students will continue to develop an ever increasing vocabulary base and mastery of language structures in preparation for university or other post-secondary opportunities.

Please note: Due to declining enrollment French 12 and Spanish 12 may not be available every year. Please contact your child's counsellor for further information.

BUSINESS EDUCATION

BUSINESS EDUCATION 10 (General)

This course is an introduction to and a survey of the skills and knowledge students need to effectively manage the economic aspects of their lives. Topics such as career planning, marketing, personal financial management, communications, and the world of business are covered. Internet research is used extensively to acquire up-to-date information on topics such as buying a car, getting a loan etc. This course will be work on the computer using *Microsoft Office, MS Publisher and PowerPoint*.

ACCOUNTING 11

This course will introduce students to accounting theory and help explain the role of accounting in business. Students who are interested in developing money management skills either for personal use or career opportunities will benefit from taking this course. Basic accounting theory and how to create a variety of financial documents will be covered in this course. Students will also develop skills using a variety of methods including spreadsheets using Simply Accounting (accounting software).

ACCOUNTING 12

This course builds on the learning outcomes of Accounting 11. Students will look at accounting theories more in depth and use case studies to gain practical experience. Simply Accounting (accounting software) and spreadsheet use will be used to complement this course.

BUSINESS COMPUTER APPLICATIONS 11

This course provides students with opportunities to develop keyboarding skills acceptable for personal and business use. Students will be shown proper touch-keyboarding techniques and work on improving speed. Microsoft Office programs will be used to produce correctly formatted business communications. Ergonomic issues associated with the workplace will also be covered.

DESKTOP PUBLISHING (YEARBOOK) 11

This course includes students producing the school yearbook using Adobe InDesign and Adobe Photoshop. Students will be introduced to publishing layout and design principles, photography, composition, team building, problem solving and time management. The NDSS Yearbook is an important publication that becomes an official record of the school for the current year. It includes photos of the people involved, and describes many key events. Therefore, there are strict standards that we must observe including appropriate language, tasteful content and equitable coverage.

Recommendations: computer literacy and communication skills

MARKETING 11

The focus of this course is on retail marketing with an emphasis Canada's business market. This course is a practical, activity-based, introduction to marketing. Topics include: the relationship between marketing and the consumer; how change effects marketing, social, legal and ethical issues involved in marketing; using technology to complete marketing techniques and strategies.

MARKETING 12

This course focuses on marketing with an emphasis on the global business market. This course is practical, activity-based, introduction to marketing. Topics include: impact of international trade, understanding and evaluating advertising techniques; the role of government in marketing; effect of various cultures on marketing; use of technology to produce work.

NDSS Course Selection Booklet 2016-2017

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ENTREPRENEURSHIP 12

Entrepreneurship 12 will provide enterprising students with: an opportunity to explore the pros and cons of working for yourself as well as a chance to answer the question, “Do I Have What It Takes?” Experience in writing business plans to develop their own business idea. The focus on Youth Entrepreneurialism may be enhanced with a hands-on opportunity to develop a short term “school store” which will be student managed and operated. Topics in this course include: the role of small business in Canada’s economy; demographic characteristics of entrepreneurs; self-assessment of entrepreneurial skills; advantages and disadvantages of small business ownership; evaluation of business opportunities; resources available to support business ideas, networking; and formulating the business plan.

INFORMATION TECHNOLOGY

Information Technology 10 through 12 incorporates, but is not limited to, Information Technology, Digital Media Studies, Animation and Keyboarding. Through these courses, students will complete assignments which will help them to build on their existing skillset. Students begin at whichever point they are most comfortable starting at; meaning not only that students who have no background or experience with computers will be able to get involved and develop foundational skills, but also that more advanced students will be challenged.

Course-based topics may include but are not limited to:

- 2-D animation (Flash)
- Game development (Scratch, Flash, Java, Stencyl, Unity)
- Proper Homepage construction for the internet (HTML and XHTML, NVU and Dream Weaver)
- Digital picture editing and graphics for web environments (Fireworks & Photoshop)
- 3-D computer animation (Sketchup, ED Max, Adobe Premier, Blender, Maya) and 3D printing
- Microsoft applications (Word, Excel, PowerPoint, Access)
- Multi-media production (PowerPoint), Video Production (Windows Movie Maker & Adobe Premier), Digital Sound Editing (Soundbooth, Adobe Audition) and Composition of DVD menus and Publishing to DVDs (Adobe Encore) and online.
- Computer Programming – Visual Basic, Flash Java Scripting
- Drawing – Adobe Illustrator
- Keyboarding

Students who have skills in a particular area also have the option of meeting the course requirements through projects that they develop. Students who select this option will propose and plan what their project will be and also co-develop how it will be assessed with the teacher. Previous projects have included games, games mods, 3D models and other animation projects. This flexible option will allow students to develop skills and create digital products that are most interesting and relevant to them. As a final option, students may switch from a course-based approach to a project-based approach during a course. Ideally, as students develop their skills they may choose to apply those skills in a project of their choosing. These courses are constantly evolving and new ideas are routinely accepted and incorporated!

TECHNOLOGY EDUCATION

Students who choose technology education courses will gain knowledge and experience that will aid in their pursuit of a healthy, well-balanced lifestyle of career and leisure activities.

- * In general, some knowledge of drafting is useful in the Industrial Technologies.
- * Because of the nature of these courses, it is essential that every student realizes that success will largely depend upon their regular attendance and serious attention to the work required.

All courses labeled 10 or 11 are entry level courses

WOODWORK 10

This 4-credit course provides an opportunity for students to work creatively with a variety of woods including many exotic woods from around the world. Safety will be taught through the use of hand and power tools as well as most machines in the shop setting. Students will explore ways that wood can be laminated, shaped and inlaid into esthetically pleasing and functional projects.

CARPENTRY & JOINERY 11

Designed for the more experienced woodworker, this course will allow some freedom in exploring projects at the same time learning some advanced methods of Joinery. If students do not possess previous woodworking experience a suitable project will be offered.

This course meets the Applied Skill requirement for graduation.

CARPENTRY & JOINERY 12

This is an advanced Joinery course dedicated to the methods used in fine furniture making and cabinetry. The project work will be challenging and designed by the student. Instruction will be given in advanced Joinery methods and delicate lathe artistry.

Prerequisite: construction 11A (Joinery). This course meets the applied Skill requirement for graduation.

CARPENTRY & JOINERY 11/12 (RESIDENTIAL CONSTRUCTION)

This residential construction course will focus on the basic principles of house building. Student will learn the theory, safety, tool usage and best practices in regards to residential house construction. These areas will be put into practice by building a dog house, small shed or comparable building.

It is hoped, that upon completion of this course students will have the basic skills needed to be employed and succeed in a junior position on a construction job site.

MECHANICS 10

Power Mechanics 10 is a course designed for students who want to learn about engines, how they work, how to repair them, and how to keep them running smoothly. Students taking PM will learn how small engine mechanics is related to Auto Mechanics and will gain a basic understanding of the automobile engine, automobile systems and related tools and machines. Students will complete a series of four stroke engine work sheets to disassemble a school engine, learn how the parts work, then reassemble and run the engine. Students will have approximately 40% classroom theory work and 60% hands on shop time to work on the school engines. After successful rebuilding and running understanding of the engine, students may work on projects of their own choice such as lawnmower engines, motorcycles, or outboard motors. Students are expected to arrive on time, ready to work and prepared to learn. If time permits, other projects may include flight plans, bridge building, CO₂ cars, and solid fuel rockets. PM 10 is recommended before taking Auto Mechanics 11/12

AUTOMOTIVE TECHNOLOGY 11

This is an introductory course to explore such automotive topics as: engine theory and operation, basic fuel and electrical systems, power transmission and suspension components. Some computer test equipment will be introduced. This course meets the Applied Skill requirement for Graduation. This course is a preferred prerequisite for the Auto Program.

AUTOMOTIVE TECHNOLOGY 12

This is a hands-on course designed to cover the operation and repair of the automobile. Tune-up and engine evaluation will be stressed using diagnostic computers and analyzers. Topics covered will be fuel and ignition systems, electronic components and computer controls. This course meets the Applied Skill requirement for graduation. This course is a preferred prerequisite for the CTC Auto Program.

METALWORK 10

This four credit course will cover a wide range of metalworking areas. Skills acquired will include safety, arc and gas welding, machining and metalworking hand skills, plus the computer numerical controlled machining process (CNC). This course meets the Applied Skills requirements for graduation.

METAL FABRICATION & MACHINING 11

It should be noted that this 4-credit course is a recommendation for entry to the Metal 12 courses. This is a general metalwork course providing a variety of practical exploratory experiences in various areas of the metal trades. The fundamentals of computer controlled machining is covered from CAD drawings to numerical control files which run the CNC machines. Hands on practical experience is a major part of this program. This course can meet the Fine Arts or Applied Skills requirements for graduation. This course is a preferred prerequisite for both the CTC "Welding Level C" and Auto Program.

METALWORK 12

This course is designed for students who want to specialize in the machine shop area of metalworking. Practical experience is stressed through extensive use of milling machines. Students are assigned projects that will cover all phases of machine shop procedures. This course meets the Applied Skill requirement for graduation.

Recommendation: Metal Fabrication & Machining 11. This course is a preferred prerequisite for both the CTC "Welding Level C" and Auto Program.

ADVANCED WELDING 12

The emphasis for this course will be on the welding and fabrication areas of the metalwork trade. Safe use and set-up of welding equipment is stressed through a series of practical exercises, along with experience in machining welded surfaces. Increased welding experience will be encouraged through the use of new techniques. When the student acquires the basic skills of welding, he/she will be involved in building his/her own project.

Prerequisite: Metal Design & Fabrication 11A. This course meets the Applied Skill requirement for graduation.

DRAFTING 10

Students will be taught the basics of the world's most powerful Computer Aided Drafting (CAD) program. They will complete drawing in both two and three-dimension that will compare to industry standards. The student's final project will also involve the basics in architectural design. Areas of technical drawing will be covered, with emphasis on drafting skills and techniques with instruments. Students will complete approximately one quarter of the course using this medium. In Drafting & Design 10, students will be expected to complete projects at a more challenging level than in the previous year.

DRAFTING AND DESIGN 11

This is a more advanced AutoCAD design course, yet is taught with the basics of design in mind. All students, particularly to those interested in the design industry, will greatly benefit from this practical course. With a brief period spent on two-dimensional drafting, the majority of the course will focus on three-dimensional modeling. The student learns how to make and read drawings and at the same time learns something about the tools, machines, materials

and processes of industrial production. Architectural design will also be a main component of this course. In this section students will learn architectural techniques that will allow them to create their dream home using Architectural Desktop. Approximately one quarter of the course will be spent on technical drafting. While producing drawings in this medium, the student is made aware of the need for accuracy and a high standard of work. This course is intended to provide students with a skill useful for the following:

- A) Employment – by understanding the graphic language of industry and learning to think in three dimensions to solve problems using mediums such as AutoCAD 2000 and Technical Drafting through sketches and line work.
- B) Home – by the ability to plan layouts, patterns, design projects and produce a variety of other life drawing needs.

This course meets the Applied Skill or Fine Art requirement for graduation.

DRAFTING AND DESIGN 12

The course includes mechanical, structural and pattern development assignments. A study is made of contemporary house designs and of Residential Standards. Areas covered in the course include: solar and energy conservation, checking and estimating skills, pictorial delineation drawings, alternative construction.

HOME ECONOMICS

FAMILY STUDIES 12

This course is open to Grade 11 and 12 students. The aim of Family Studies 12 is to provide students with the knowledge and skills to assist them in making informed decisions related to friendships and family. Early child development, parenting, marriage and housing may also be included. The course will be presented through lectures, discussion, group work, research, worksheets, journal writing and videos.

FOODS AND NUTRITION 10

The theoretical aspects of this course emphasize safety and sanitary practices, development of management and consumer skills, nutrition and meal planning. In this course, students will cook their way across Canada's provinces. Canada is a rich nation with many ethnic influences, such as Scottish, Irish, French, Italian, Indian, German, and Slavic to name a few. Learn about what First Nations people ate, and prepare some meals using ingredients locally found. Visit the Maritimes, Quebec, the Prairie Provinces, and B.C. Learn to prepare ethnic meals that are both nutritious and varied. Come and share the experience!

FOODS AND NUTRITION 11

This course provides students the knowledge and opportunity to develop the skills required to prepare foods for personal and family needs. Topics include the study of safety and sanitation, management of time and money, nutrition and menu planning. This course emphasizes learning about and cooking foreign foods. Students will make and consume individual meals, as well, prepare group dishes for buffets. (As well, students may be given the opportunity to choose the food product and meals they wish to prepare, allowing for individual development of skills and experiences).

FOODS AND NUTRITION 12

This course expands the scope of work covered in Foods and Nutrition 11. The production of more complicated food items that require advanced techniques are undertaken. Food Safety, presentation, and food service are emphasized. World cuisine with special emphasis on specialty food preparation and cooking techniques. Students may learn how to make delicacies such as Indian samosas, Japanese sushi, Italian biscotti, and Greek Spanakopita, to name a few. In the process, students will learn about nutritional value of foods, food processing, and cost factors.

CAFETERIA TRAINING 11/12

The purpose of Cafeteria Training is to provide a basic introduction to a professional kitchen and the ways in which it operates. Cafeteria Training 11 and 12 focuses on quality food preparation and service. Students develop the skills necessary for commercial food preparation as they participate in activities related to receiving, storing, preparing, and presenting nutritious foods. In the Cafeteria at NDSS students will learn the ins and outs of becoming cooks. Cafeteria Training is a great beginning for students interested in becoming a caterer, chef, restaurant owner, or moving into a variety of related fields.

VISUAL AND PERFORMING ARTS

INTRODUCTION

The Art Department offers a variety of courses from grades 8 to 12 in the Visual Arts Foundations and Studio Art curriculum. The programs are organized into general studies that involve a variety of 2D and 3D art forms and also in media specific areas. Learning logs will be used to reflect student learning through self-evaluation along with authentic project based assessment.

The visual arts curriculum offers students' opportunities to explore, create, and develop images using a research based approach to image development. Students are encouraged to use an inquiry approach to develop original imagery that reflects the development of their own personal style. Historical, cultural, and social contexts in art are studied to further reference and contextualize imagery and concepts for further in depth exploration.

Students are directed to use a collaborative approach to art critique and feedback to further analyze and discuss the development of their visual ideas and image development strategies as deemed suitable. The use of digital media and an on-line student art exhibition site offers students the additional opportunity to showcase their work and receive critical and supportive feedback for learning. Other art exhibition opportunities are provided to give students the experience of sharing their art through a public venue.

Students are also offered the opportunity to develop a body of work for the development of a portfolio to meet postsecondary entrance requirements. All art courses at the Grade 10, 11 and 12 level are 4 credit courses. Basic supply lists include a sketch book and will be included with the course outlines.

VISUAL ARTS 10

Visual Arts 10 provides students with opportunities to work in a variety of materials and techniques in the art room. Students work on individualized projects and experience group work while working on 2D and 3D projects. Some of the areas to be covered will include: drawing, painting, pastel, sculpture, printmaking, pottery and textile arts. There are no prerequisites for this course.

ART FOUNDATIONS 11

This is a comprehensive course designed to facilitate a broad range of experiences with 2D and 3D images. The Art Foundations course is intended to provide students with a range of activities to create, respond to, and explore a variety of image styles. This is an excellent course to learn about the many visual arts styles.

ART FOUNDATIONS 12

This course will offer a range of activities that involve both 2D and 3D projects. Students will be using a variety of materials, methodologies and processes involved in drawing, painting, sculpture and textile.

STUDIO ARTS 11 (DRAWING & PAINTING)

This course at the grade 11 level allows for students to engage in a focused and in-depth study in a concentrated area of visual expression. Students will develop technical competence with a wide range of tools and materials involved in drawing and painting. Basic supply lists will be handed out at the beginning of the course.

STUDIO ARTS 12 (DRAWING & PAINTING)

Students will continue to focus on advanced drawing and painting skill development. Students will exhibit their work with consideration for viewer perspective. The course will explore visual culture; artworks, and movements in drawing and painting, purposes and applications, vocabulary and career pathways related to drawing and painting. A sketchbook will be required for the course. Projects from this course are designed to meet postsecondary portfolio preparation.

STUDIO ARTS 11 (CERAMICS & SCULPTURE)

The ceramics and sculpture course explores a variety of sculpture techniques and mediums: paper mache, wire, clay, foam, wood, etc. This course incorporates 2D skills and 3D techniques skills. Students will use their planning drawings to develop their sculptures and clay projects through the use of a sketch book. Basic supplies are provided and some students may choose to do larger projects. A sketchbook will be required.

STUDIO ARTS 12 (CERAMICS & SCULPTURE)

A variety of sculpture techniques will be covered. This is a more advanced course for students specializing in clay hand building and sculpture. The projects require more advanced skill development and application. Basic supplies are provided. Advanced students may choose to do extensive wheel work and sculpture. A sketchbook will be required for this course.

STUDIO ARTS 11 (FABRIC & FIBRE)

Students will use a variety of materials to construct projects with fabric, and fiber. This is a course that explores a variety of techniques and processes (weaving, beading, knotting, batik, wax resist, paper making, collage, and stitchery) to create original art works. Basic tools and supplies may be available and students will need to supply some specialty items as they choose. A sketchbook will be required for this course.

STUDIO ARTS 12 (FABRIC & FIBER)

This course will continue to build on the skills introduced in Fabric & Fiber 11. Students will use more original and cultural references. Projects will be completed with the intent to display publicly; functional art, fashion, interior design or fine art. A sketchbook will be required for this course.

STUDIO ARTS PRINTMAKING & GRAPHIC DESIGN 11

This is an introductory course in the study of printmaking and graphic design. Image development strategies will be linked to historical, cultural and social perspectives in traditional and contemporary media. A sketch book will be required to develop original and authentic design and concept ideas. Materials will be provided.

STUDIO ARTS PRINTMAKING & GRAPHIC DESIGN 12

This is a more advanced course in the study of printmaking and graphic design. Image development strategies will be linked to historical, cultural and social perspectives in traditional and contemporary media. A sketch book will be required to develop original and authentic design and concept ideas. Materials will be provided. Editions of prints and the development of a portfolio for commercial and postsecondary requirements will be optional.

PHOTOGRAPHY 10

This is a 4-credit introductory Fine Arts course starts with the basic principles of photography, camera operation and the elements and principles of design as it relates to visual imagery. Using digital cameras, students will learn the limitations of automatic mode before moving on to semi-automatic modes which offer more creative and exposure control so that even beginning photographers can excel. Practical assignments will teach students how to use a camera to capture images with good exposure. Students will learn how to set up their camera, adjust basic and advanced camera settings, along with uploading and editing pictures. Students will also learn how to matt a picture, as well as black and white film and darkroom processing. Local field trips will provide ample opportunity to practice. This course will give you the skills to use a digital camera with confidence.

BA PHOTOGRAPHY 11

This 4 credit intermediate Fine Arts course offers further study into the art of digital and black and white film photography. Students will be introduced to the photographic cycle of capturing images, uploading and editing them in Adobe Bridge and Photoshop, then printing and finally matting them to take home and share. Students will become experienced with semi-automatic and manual camera modes and what each does in terms of exposure and creative effects. In post-processing, students will learn to use Adobe Bridge to sort, rename and edit photos with amazing results in just minutes. Capturing motion, freeze-frame, panning, depth of field, focus shift, studio lighting and many other aspects of photography. Fine Art processes such as pinhole cameras, cyanotypes, solarization, photograms and black and white film photography will also be studied. This is a fun and challenging course with many local field trips and hands-on projects.

BA PHOTOGRAPHY 12

This 4 credit advanced Fine Arts course builds on the skills developed in Photography 10 and Photography 11. Elements and principles of design will guide your compositions as you learn to create emotion, direct your viewer's attention and imply motion in your pictures. This course focuses on projects and inquiry into areas of photography that the student would like to explore in greater depth. An e-portfolio will showcase students' visual images as they develop proficiency in photography. Digital Black and White, as well as film and darkroom black and white processes will be explored. Local field trips will provide opportunities to practice new skills and techniques.

Note: It is recommended that first-time students in photography start with the introductory level and work up to more advanced levels.

DRAMA 10: GENERAL

This is a continuation of Drama 9. It includes improvisation, monologues, short scenes, an introduction to technical theatre, scene study and theatre history.

THEATRE PERFORMANCE 11: ACTING

This course is aimed at individual growth and understanding with respect to the theatre. Students will be instructed in such areas as script analysis, characterization, and an introduction to various acting styles and major theatrical movements. The role of theatre production will be explored in the context of staging a one-act play.

THEATRE PERFORMANCE 12: ACTING

Students will continue developing the skills taught in Acting 11. Scene work will focus upon works from the 20th century as well as an opportunity to explore radio and film acting, choreography, stage fighting, and the audition process. The role of theatre production will be explored in the context of staging a one-act play.

DIRECTING & SCRIPT DEVELOPMENT 11/12

Students will learn the art of directing and the craft of playwriting. An exploration of the rehearsal process, production elements, as well as basic script development will be the main focus for the semester. Strong writing skills are required for this course. Students must also have strong communication skills, be focused, and able to work well independently. Students wishing to take theatre performance 12 must be able to read and write at a proficient level as well as possessing strong organization and leadership skills.

BA ACTING AND MUSICAL THEATRE 9-12

Acting and Musical Theatre 9-12 is a course designed to help you develop skills in three major disciplines: voice, choir, band, stage movement and dance and acting. Through the first term we will develop the skills, versatility and confidence to transfer our efforts towards our final Musical Production. The first term will include an orientation, auditions for the Musical, leading to initial production rehearsals. In the second term we will continue to work as an ensemble cast and focus our energies upon our Musical Theatre Production, which we will present to the public.

This course is for all students who enjoy music, drama, acting and the excitement of staging productions. There will be roles for students of all levels and abilities. Students who are more interested in dramatic acting stage roles (without singing or dancing) will have an opportunity to be involved. Since this is a musical production class, there will be opportunities as well for interested students to develop other skill sets, such as stage management, set, lighting, props and costume design, as well as advertising and publicity. There are also places for musicians to take part. If enough of piano, bass, guitar and drums join, we could also work towards having a live band for the musical.

Students will be contacted and surveyed about their interest preferences before the course commences.

FILM AND TELEVISION STUDIES 11/12

Film and Television Studies 11 is a course designed to sharpen critical thinking skills and enhance knowledge and understanding of various media. We will examine communication, culture, and use of technology that shapes our everyday lives. This course will examine the separate strands that exist within media studies, such as the study of film, television, broadcast Internet based media (YouTube, interpersonal communication, video blogging, chat rooms, instant messaging, and video games). Critical media theory will provide students with an understanding of who owns corporate media and how that affects the distribution, content, and the public.

DANCE 10: PERFORMANCE

Dance 10 allows students to work at the beginner level or at a more advanced level, depending on their experience and background in dance. The goal of this class is to present students with the opportunity to experience a variety of dance genres. Throughout the course, students will explore various dances and become involved in the process of creating, composing, presenting, and performing. Various elements of the history, diversity, roles, and influences of dance within society will be explored.

DANCE 11: PERFORMANCE

Dance Performance 11 allows students to work at the beginner level or at a more advanced level, depending on their experience and background in dance. Students will be presented with the opportunity of experiencing a variety of dance genres, both in the classroom and within in the community.

During daily dance lessons and review, students will participate in increasing their stamina, strength, posture, and flexibility. Throughout the course, students will explore various dances and become involved in the process of creating, composing, presenting, and performing. Various elements of the history, diversity, roles and influences of dance within society will be explored.

DANCE 12: PERFORMANCE

Dance Performance 12 allows students to work at the beginner level or at a more advanced level, depending on their experience and background in dance. Students will be presented with the opportunity of experiencing a variety of dance genres, both in the classroom and within the community. Students will be introduced to the opportunity to develop the skills, knowledge, and attitude necessary to take on a leadership role in the realm of dance. During daily dance lessons and review, students will participate in increasing their stamina, strength, posture, and flexibility. Throughout the course, students will explore various dances and become involved in the process of creating, composing, presenting, and performing. Various elements of the history, diversity, roles, and influences of dance within society will be explored.

DANCE CHOREOGRAPHY 11 and 12

Students will continue to develop the skills taught in Dance Performance 11 or 12. The goal of this course is to provide opportunities for each student to develop the methods, knowledge, and attitude necessary to take on a leadership role in the realm of dance. Similar to Dance Performance 11 and 12, students will be presented with the opportunity to increase their stamina, strength, posture, and flexibility while experiencing a variety of dance genres. Students will be required to apply these skills and techniques when creating their own choreography. Though the focus of Dance Choreography 11 and 12 is the creation of student choreography, students will experience the process of performance through both the role of choreographer and dancer. Students wishing to take Dance Choreography 11 and 12 must not only have previous dance experience, but have demonstrated strong organization and leadership skills.

NDSS BAND PROGRAM

The NDSS Band Program is known across Canada. Over the years our bands have won many gold, silver and bronze medals in national competitions and several band members have been chosen for National All-Star Band Membership. Students will perform a wide variety of music and they will experience a balance between polished performance pieces and sight reading. Concert Band is our main ensemble. Students with a moderate interest in music who wish to improve their skills and have fun are welcome. We also provide an opportunity for serious students who wish to work hard to achieve an advanced level in our competitive and touring groups. The band is organized in three levels, Junior (Grade 8), Intermediate (Grade 9), and Senior (Grade 10, 11 and 12). An advanced player in a lower grade could enter a higher level band and a less experienced player could enter a lower level.

INSTRUMENTAL MUSIC: CONCERT BAND 10 - 12

Senior concert band expands on the skills learned in Band 8 and 9. This is a performing group participating in several different programs throughout the year.

JAZZ (OFFERED OUTSIDE THE REGULAR SCHOOL DAY)

The Jazz program consists of students from grade 8 through 12. Jazz ensemble members will have ample opportunity to learn improvisation. The Jazz band plays mostly senior charts and performs several times a year. The class meets after school from 3:15 – 4:15 on Tuesdays and Thursdays. Be a part of this award winning ensemble.

MUSIC 10: JAZZ BAND

INSTRUMENTAL MUSIC 11: JAZZ BAND

INSTRUMENTAL MUSIC 12: JAZZ BAND

CHOIR 10, 11, 12 (OFFERED OUTSIDE THE REGULAR SCHOOL DAY)

This class is open to all Grade 8 – 12 students. It will run after school on Mondays and Wednesdays from 3:15 to 4:15 p.m. The students will learn how to read music and perform music at concerts throughout the year. We will also attend festivals to better ourselves. NDSS had a wonderful choir program years ago and it is time to get this musical opportunity back. I am also looking for piano, guitar, bass, and drum players that can support the students' singing. Sign up for this new class – we will have a fun musical experience.

MUSIC APPRECIATION 9-12

A new course is being offered at NDSS which will explore the history of music throughout the times. We will look at changing times and how society treated music and art. We will do a lot of listening and reflecting. We will cover classical, jazz and popular music. Students will be engaged in activities on various composers and repertoire. No musical experience is necessary, just a love of music.