

J.N. BURNETT
SECONDARY

PROGRAM
PLANNING GUIDE
2021-2022



MISSION STATEMENT

**At J.N. Burnett
we provide an enriching environment that
respects, values and celebrates diversity, promotes individual growth
and prepares the learner to be a
well-rounded and responsible member
of the larger community.**

J.N. BURNETT SECONDARY SCHOOL

5011 Granville Avenue, Richmond, BC V7C 1E6
Phone: 604-668-6478 Fax: 604-668-6484

Principal: Mr. D. Ratzlaff

Vice Principals:

Mrs. L. Collins
Mr. L. Leung

Counsellors:

Mr. R. McDonnell
Ms. M. Murad
Ms. M. Takada

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PRINCIPAL'S MESSAGE

Dear Parents/Guardians and Students,

J.N. Burnett is a comprehensive secondary school that offers a wide variety of curricular and extra- curricular opportunities for all students. Our dedicated staff is committed to creating a learning environment that encourages students to set goals for themselves and strive towards individual excellence. We aim to ensure that each student's secondary school experience is meaningful and rewarding.

Our programs are designed to recognize and support the varied interests, abilities and educational needs of all students. We offer a Resource Program for students who need support with the regular academic program; Incentive and Advanced Placement Courses which provide enrichment for highly motivated students; an English Language Learners Program; and a program for students with special needs which allows them to be integrated into classrooms as well as gain some work experience in the community. Our grade 8s are taught by a team of teachers. The team works closely and becomes well acquainted with their students' individual strengths, interests, and needs. The teaming approach also provides opportunities for teachers to integrate curriculum, particularly in the Humanities.

There are many extra-curricular activities in which students may get involved. During lunch, there are various structured activities in our gym or special events sponsored by Student and Athletic Councils. Students may also choose to participate on one of the many teams provided by our athletic program or join any one of the numerous clubs available. In addition, there are tennis courts adjacent to the school, several outdoor basketball courts, a lacrosse box, and a very well-equipped fitness centre. We also provide other off campus programs such as skiing, snowboarding and outdoor education.

Because we feel strongly that education is a co-operative endeavour involving both home and school, at Burnett we encourage and welcome parental involvement. We have an active Parent Advisory Council. We strongly believe that ongoing communication between parents/guardians and the school is beneficial to all. Parents may call the school any time to arrange a parent-teacher conference beyond those that are regularly scheduled. Also, monthly newsletters and reminders are posted on our website to keep parents up to date on school activities. A formal report card is available in November, February, April and the end of June. In addition, interim reports are sent out at least twice per year and whenever necessary. Phone contact between staff and parents is encouraged.

Our physical plant is very open and spacious and lends itself well to promote the sense of community that we strive for. We have well-designed, comfortable classrooms, numerous computer labs, two gyms, a theatre, and a well-equipped library. A large multipurpose area opens up to a spacious outdoor courtyard. This inviting environment adds to our belief that J. N. Burnett is a great place to learn!

Selecting courses to map out future directions is sometimes a difficult and confusing process. However, it is important that students take the time to think through choices carefully, and take advantage of the help that is available from school counsellors. In the intermediate years (8-9) the courses students select should reflect general interests and be seen as exploratory. As students move towards their graduation program (10-12), they will want to set more specific goals. The courses selected in the senior years should reflect this. The counsellors will help students understand which courses are required to graduate, which courses should be taken as prerequisites to the various post-secondary institutions or training programs, and which courses might be most useful to prepare for the workplace that students may be interested in.

To all students - the important thing to keep in mind throughout the course planning process is that each of you has strengths as well as areas of interest. Try to recognize your strengths and develop them through the courses you select. Remember that you are designing an important part of your future. Finally, *don't be afraid to ask for help!*

Mr. D. Ratzlaff, Principal

SCHOOL SCHEDULE

Student Course Requests

It is essential that students take the time to select their courses very carefully. Once we receive requests from all students, our timetable is built to accommodate their requests. Once the timetable is built, it is difficult to make changes. The following is the procedure used to build the timetable.

1. Students determine their compulsory courses and choose their elective courses using this course-planning guide to assist them. Students submit their course requests to their counsellors.
2. The requests for each course are tallied and that information is used to determine how many blocks to build of each course.
3. If too few students request a particular elective course, then that course cannot be offered. Students are then programmed into their alternate elective choice. It is essential that students provide alternates.
4. The master timetable is then built using the numbers of blocks for each course as determined by student requests.

Please note when selecting courses:

1. Incentive courses are suitable for students who wish to extend their experiences beyond the regular academic level. These Incentive courses may also be taken as a preparatory program for senior level Advanced Placement Programs.
2. Requests for Incentive courses and Learning Services will be screened to ensure appropriate educational choices.
3. Each constant course must be passed consecutively to a certain grade level
 - i. Language Arts (English) to the grade 12 level
 - ii. Social Studies 10 and a Social Studies 11 or 12 level course
 - iii. Math and Science to the grade 11 level
 - iv. Physical Education to the grade 10 level

PERSONAL STUDENT PLANNING GUIDE TO GRADUATION

Grade 8 Program	Grade 9 Program	Grade 10 Program	Grade 11 Program	Grade 12 Program
ELECTIVE	ELECTIVE (Fine Arts)	ELECTIVE	ELECTIVE	ELECTIVE
Home Ec./Tech Ed. 8	ELECTIVE (Tech Ed.)	ELECTIVE	ELECTIVE	ELECTIVE
French 8	ELECTIVE	Career Life Education	ELECTIVE	ELECTIVE
Physical Education 8	Physical Education 9	Physical Education 10	ELECTIVE	ELECTIVE
Science 8	Science 9	Science 10	A Science 11 Course	ELECTIVE
Mathematics 8	Mathematics 9	Mathematics 10	A Mathematics 11 Course	ELECTIVE
Humanities 8	Social Studies 9	Social Studies 10	Social Studies 12 or ELECTIVE	Social Studies 12 or ELECTIVE
Humanities 8	English 9	English 10	English 11	English 12
<i>Choose 1 Elective</i>	<i>Choose 3 Electives</i>	<i>Choose 3 Electives</i>	<i>Choose 4 Electives</i>	<i>Choose 7 Electives</i>

NOTE:

Grade 9 students may select three (3) elective courses. Students should select one (1) Fine Arts Education 9 course and one (1) Applied Design, Skills, and Technologies 9 course. Students who are unable to meet this requirement may discuss the reason(s) with their counsellor.

GRADUATION REQUIREMENTS

Required Courses	52 credits
Language Arts (English) 10	4 credits
Language Arts (English) 11	4 credits
Language Arts (English) 12	4 credits
Social Studies 10	4 credits
Social Studies 11 or Social Studies 12	4 credits
Science 10	4 credits
Science 11 or 12	4 credits
Mathematics 10	4 credits
Mathematics 11 or 12	4 credits
Physical Education 10	4 credits
Fine Arts or Applied Skills 10, 11, or 12	4 credits
Career Life Education	4 credits
Career Life Connections (including Capstone Project)	4 credits

AND

Elective Courses

28 credits

TOTAL: 80 credits

To Graduate Students will need:

- eighty credits in Grade 10 - 12 (equivalent to 20 four credit courses).
This includes Required Courses, Career Life Education and Career Life Connections, and Elective Courses.
- a minimum of 4 courses (16 credits) at the Grade 12 level including English 12.

In addition, students must also complete three Provincial Graduation Assessments in literacy and in numeracy.

- *Graduation Numeracy 10 Assessment in Grade 10*
- *Graduation Literacy 10 Assessment in Grade 10*
- *Graduation Literacy 12 Assessment in Grade 12*

PROGRAMS • ALL GRADES • LEVELS 1-3

LEVEL 1 (3 Blocks ELL)

ELL 1	ELL 1
ELL 1	Elective
Math 8, 9, 10, 11 Elective (for Grade12)	PE Grades 8/9/10 Elective Grades 11/12
Elective (Home Ec./TechEd. 8 – Grade 8's)	Elective

Level 1 Elective Choices: Art, Band, Choral Music, Guitar, Drama, Home Economics, Technology Education

LEVEL 2 (3 Blocks ELL)

ELL 2	ELL 2
ELL 2	Math
PE Grades 8/9/10 Elective (for Grades11 and 12)	Science
Elective (Home Ec./TechEd. 8 – Grade 8's)	Elective

Level 2 Elective Choices: As above plus Beginner's Band, Computer , French (with previous experience)
ELL 2 has an English and a Science component.

* Students who are ELL 2 will take ELL Science prior to taking Science in the school year.

LEVEL 3 (2 Blocks ELL)

ELL 3	ELL 3
Science	Math
PE Grades 8/9/10 Elective Grades 11/12	Elective (French 8 – Grade 8's)
Elective (Home Ec./TechEd. 8 – Grade 8's)	Socials

*Grade 9, 10, 11 and 12 students who are ELL 3 will take a Social Studies course following the successful completion of ELL 3.

ELL PROGRAMS • GRADES 8-12 • LEVEL 4

LEVEL 4 GRADE 8	
ELL 4	Humanities 8
Science 8	Math 8
PE 8	French 8
HEc/Tech 8	Elective

LEVEL 4 GRADE 9	
ELL 4	English 9
Math 9	Science 9
Socials 9	PE 9
Elective	Elective

LEVEL 4 GRADE 10	
ELL 4	English 10
Math 10	Science 10
Socials 10	PE 10
Career Life Education	Elective

LEVEL 4 GRADE 11	
ELL 4	English 10
A Math 11	A Science 11
Socials 12 or Elective	Elective
Elective	Elective

LEVEL 4 GRADE 12	
ELL 4	English 10
Elective	Elective
Socials 12 or Elective	Elective
Elective	Elective

ENRICHMENT OPPORTUNITIES

INCENTIVE COURSES

Incentive courses provide enrichment opportunities for highly motivated students of above average talent and ability. These courses are more demanding and aim to extend students to their intellectual limits through challenging activities. The courses involve teaching and learning styles which enhance a student's ability to read extensively, think analytically and critically, speak and write fluently, use research resources effectively and work independently.

ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program (APP) is a program of acceleration and enrichment which allows gifted or motivated students to begin their college or university studies while still in secondary school. Upon successful completion of an Advanced Placement course, with an appropriate level of proficiency on a standardized exam, the student may apply to colleges and universities for advance standing, course credit or both. The AP Program helps students pursue intellectual activities of a challenging nature and develop higher level thinking skills, such as independent study and research, analysis of knowledge, subject enrichment and sociological implications of the various areas of study.

Burnett offers Advanced Placement courses in:

- Calculus 12 AP
- Chemistry 12 AP
- English 12 AP
- Physics 12 AP I and II
- Studio Art 12 AP

As is the case for all courses offered at Burnett, courses can only be run if there is sufficient enrolment.

Students taking these courses may choose to write Advanced Placement examinations in May of each year. The courses, with the exception of English 12 AP, Physics 12 AP I and Art Studio 12 AP require an extra block of time beyond the regular Grade 12 level course in the subject.

Academic demands of the regular program are already quite heavy and it is desirable for students to broaden their interests as well as gain subject enrichment. We caution students to carefully consider the number of Advanced Placement courses selected. There will be additional cost to students taking Advanced Placement exams.

UNIVERSITY ACCEPTANCE OF ADVANCED PLACEMENT

In Canada, APP is growing rapidly in popularity. UBC, SFU, and UVIC recognize the Advanced Placement Program. Students admitted to these institutions who have completed AP subjects with high academic achievement may receive advanced placement and credit. AP is recognized and well accepted in many eastern Canadian universities as well as all American colleges and universities.

LEARNING STRATEGIES PROGRAM

The Learning Strategies program seeks to empower students who are experiencing learning challenges and require services to promote success within their school program. In addition to academic learning issues, students may also have physical, social and/or emotional needs (ie. anxiety) that are addressed within a Learning Strategies block. Placement for learning support is on a referral basis upon concerns from teachers, administrators, counsellors, parents/guardians and /or students themselves.

Services provided in a Learning Strategies/Resource block(s) seek to unlock student's potential, so will vary according to each student's learning profile. The services offered may include one or more of the following:

- direct help in understanding academic course content
- appropriate accommodations to learning in the form of adaptations or modifications
- strategies for better organization, time-management, goal-setting and study habits
- assistance in strengthening skills in reading, writing, speaking and mathematics
- work experience opportunities and life-skills training
- strategies for improving behaviour and self-regulation

Students with a ministry category are assigned a case manager/resource teacher, who is in charge of writing their Individual Education Plan (IEP) through consultation with parents, classroom teachers, counsellors and administrators, as well as with the outside agencies when necessary. The services offered within the Learning Strategies Program are designed to effectively meet the individual needs of students.



J.N. Burnett Secondary School

Learning Centre

Room D129 and D110

Open at lunch (1:00pm-1:30pm) and after school until 4pm

What is the Learning Centre?

At Burnett, we have a number of ways that we support you in doing your best possible work. The Learning Centre is one of the services that we are offering to ALL students.

In the Learning Centre, students work with teachers individually or in small groups to:

- Receive extra help with challenging assignments in all subject areas
- Review or catch up on class material
- Develop reading, writing, study, or organizational strategies
- Write tests in a separate setting
- ...And more!

Who can use the Learning Centre?

- All Burnett students!

How does the Learning Centre work?

Students drop down to the Learning Centre in one of two ways:

- A teacher refers a student
- A student chooses to come after school



CAREER PROGRAMS

SCHOOL DISTRICT NO. 38 (RICHMOND)

A Future Without Limits

**JUMPSTART
YOUR CAREER**

**HIGH SCHOOL
& COLLEGE
CREDIT**

**START
COLLEGE
EARLY**

**ACQUIRE
SKILLS**

**FREE
TUITION**

SD38 CAREER PROGRAM OFFERINGS



careerprograms.sd38.bc.ca



@sd38careers

RICHMOND
SCHOOL DISTRICT NO. 38

I. SD38 Youth Train In Trades (YTIT) Programs

BENEFITS TO PARTICIPATING IN A DISTRICT YOUTH TRAIN IN TRADES PROGRAM:

- **TUITION PAID** (by Richmond School District #38 at a savings of \$2500 - \$4000)
- **Early admission** to post-secondary studies while in high school
- Earn **TRIPLE CREDITS** for
 - high school – courses count as Grade 12 electives
 - post-secondary school – courses count as university/college credit
 - Industry Training Authority (ITA) – **credit for Level 1 technical training**
- Gain a **competitive advantage** – improve your earning potential after graduation
- **Potential to earn work-based hours** toward trade certification



WHO SHOULD APPLY... ATTRIBUTES AND QUALIFICATIONS OF APPLICANTS:

- Prior ADST/Tech Ed experience an asset (comfortable using tools and enjoy hands-on work)
- Demonstrated level of maturity suitable to a post-secondary environment
- Physically able to work in a trades environment
- Strong English language skills to communicate and interpret information and technical language
- Strong Math and Science skills for solving problems and making decisions
- Driver's license is an asset (a must in some trades)
- Has not achieved Ministry of Education graduation prior to program registration
- **Must be a returning student to participate in these programs (graduates may be considered in exceptional circumstances for specific programs)**

APPLICATION PROCESS AND WHEN TO APPLY:

- Find applications on the black **Career Programs display board in your counselling area** OR download from the District Career Programs Office website (<http://careerprograms.sd38.bc.ca>)
- Submit application to the District Career Programs Office by the due date listed on the front of the application form (**1st due date:** Late February/Early March; **2nd due date:** Early April)
- Students are advised to apply early, as there are limited seats for these programs
- Qualifying applications will receive an invitation to attend an interview
- NOTE: Quality of applications will be assessed based on the following criteria: academic achievement, related course work, work habits, attendance/punctuality, overall behavior and attitude
- **QUESTIONS? Contact the Career Programs Office staff**

COST OF YOUTH TRAIN IN TRADES PROGRAMS:

- Post-secondary tuition is covered by the Richmond School District – a significant savings
- Students are responsible for all other associated program fees, books, equipment, tools and consumable items. These are outlined on the second page of the Youth Train in Trades application form.

*****Due dates for this Post-Secondary program on page two of YTIT application form*****

II. SD38 Youth Work In Trades (YWIT) Programs

YOUTH WORK IN TRADES STUDENTS:

- **Have paid employment in a recognized trade**, either full or part-time (Check out www.itabc.ca to see the 150 trades that are recognized in BC)
- Are between **15-19 years old**
- Have a **certified supervisor** (Certificate of Qualification, Red Seal, or Journeyperson)



BENEFITS OF DISTRICT YOUTH WORK IN TRADES PROGRAM:

- Student is **registered as an apprentice** through the ITA
- Credit of work hours toward **Level 1 trade certification**
- Student is **sponsored** by employer
- **Earn up to 16 credits** (four courses) toward high school graduation
- SD38 Career Programs **support provided** for apprentice, employer and ITA
- May qualify to **earn a \$1000** Ministry of Education award

III. Other District Partnership Programs for Richmond SD38 Students

Applications for the following opportunities are available through your school counsellor, career advisor or the SD38 Career Programs Office [display board at your school](#). **DUE DATES for all applications can be found on the Career Programs website** (<http://careerprograms.sd38.bc.ca>) or through your counsellor/career advisor.



Program and Application Due Dates (Approximate)	Overview of Program
<p>RCMP Youth Squad</p> <p>Application Due Date: End of September</p> <p>(See counsellor or Career Programs display board/ website for specific date.)</p>	<p>Description: Spend eight consecutive Thursday evenings at the Richmond RCMP Detachment learning about careers in policing and several other emergency services, including the Canadian Military, BC Ambulance Service, Richmond Fire Rescue, Canadian Coast Guard and Canadian Border Services Agency. (Must attend all eight evenings. Last night is a graduation ceremony for students and their parents.)</p> <p>Program Cost: \$80.00 (includes snacks, t-shirt, hat and program graduation)</p> <p>Program Timeline: Eight consecutive Thursdays (Mid-October thru Early December)</p> <p>Who Can Apply: Students in Grades 10-12 (Preference given to those in Grades 11/12)</p>
<p>Skilled Trades Exploration Program (STEP)</p> <p>Application Due Date: End of January</p> <p>(See counsellor or Career Programs display board/ website for specific date.)</p>	<p>Description: In partnership with our SD38 maintenance yard employees (CUPE 716), students have a brief introduction to working in the skilled trades. They select their trade preference (see choices on application), and work for one week in that area. In the fall, look for posters and listen for announcements at your school.</p> <p>Program Cost: Students must wear their own steel-toed boots</p> <p>Program Timeline: One week of work between April – early June</p> <p>Who Can Apply: Students in Grades 11 or 12. Must be taking a Tech Ed (ADST) course.</p>
<p>Link38 <i>(Learning in Kwantlen)</i></p> <p>Application Due Date: Middle of May</p> <p>(See counsellor or Career Programs display board/ website for specific date.)</p>	<p>Description: Apply for this dual credit program directly through the SD38 Career Programs Office ONLY (not KPU). Courses are taken at Kwantlen Polytechnic University (KPU) -Richmond Campus. Course taken MUST directly correspond to student's post-secondary career transition pathway. Application must also be supported by related Grade 11/12 courses/electives available at applicant's school. Link38 course offerings vary each year and are selected by SD38 Career Programs. Course counts for post-secondary and for high school credit (4 credits).</p> <p>Program Cost: Students purchase course books; SD38 covers tuition cost of course</p> <p>Program Timeline: One-night per week from September – December (usually 4-7pm). Day of week is dependent on course taken.</p> <p>Who Can Apply: Students in Grades 11 who will be entering Grade 12 in the next school year</p>
<p>NEW RCMP Policing Programs</p> <p>Application Due Date: Various – check Career Programs website</p> <p>(See counsellor or Career Programs display board/ website for specific date.)</p>	<p>Description: There are new policing programs being developed for secondary students in SD38. Check under "Our Programs" on the Career Programs website. New offerings will be updated throughout the school year.</p> <p>Program Cost: Will vary by program</p> <p>Program Timeline: Will vary by program</p> <p>Who Can Apply: Will vary by program</p>

IV. Work Experience (WEX) 12A and 12B

- ❑ Students should check the availability of these **school-based courses** with their school counsellor. If offered, students taking these complete 100-120 hours (per course) of volunteer work in their focus area of interest.
- ❑ Upon successful completion, students earn 4 credits toward graduation for each of these Ministry of Education courses.



APPLYING FOR YOUTH TRAIN IN TRADES PROGRAMS

(Priority given to earlier applicants who meet program eligibility requirements)

- Applications available in counselling office or at <http://careerprograms.sd38.bc.ca>
- Specific due dates are on application form
- General due dates:

1st Deadline – Late February/Early March
(Baking Program applicants **MUST** meet first deadline)

2nd Deadline – Early April



PLUMBING

Day 2's (Sept. - June @ Palmer Secondary, including 4 weeks at Piping Industry College)

Through this ITA foundation program, students receive Level 1 technical training in this trade. Students will apply their knowledge by learning how to plan, design, install & service various types of piping systems. They also learn how to use industry specific tools and machinery. Students attend the UA Piping Industry College for four non-consecutive weeks during the program.

Upon successful completion of this program, students will achieve technical training credit for the first of four levels towards Red Seal certification and can seek employment as apprentices.



PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Physically able (tight spaces, moving heavy equipment)
- Successful result on district math assessment
- Physics 11 recommended

CREDITS AND CERTIFICATION EARNED

- Pass course work and ITA exam (blended) and earn Level 1 technical training certification (Certificate of Completion)
- Receive 16 credits (4 courses) at Grade 12 level

PROFESSIONAL COOK 1

Day 2's (Sept. - June @ Richmond Secondary) + subsequent July @ VCC

This ITA foundation program offers students an opportunity to receive Level 1 technical training in this trade. Students perform all phases of kitchen activities including the preparation and presentation of vegetables, soups, sauces, meat, fish and poultry, cold kitchen items; desserts, baking, pastry; basic menu planning/costing as well as knowledge of safety, sanitation and food storage, and customer relations. Students attend MANDATORY four weeks at VCC in July (includes ITA exams for Certificate of Qualification).

Upon successful completion of this program, students will achieve technical training credit for the first of three levels towards Red Seal certification.



PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Able to work in a fast-paced, multi-tasking environment
- Successful result on district math assessment
- FoodSafe Level 1 Certification (can complete in summer prior to program start) / Foods coursework an asset

CREDITS AND CERTIFICATION EARNED

- Pass PC1 ITA exam, practical exam and course work to earn Level 1 technical training certification (Certificate of Qualification)
- Receive 16 credits (3 Cook courses + 1 WEX course) at Grade 12 level
- Any hours worked in the trade are registered with the ITA and go toward PC1 Level 1 completion

AIRCRAFT MAINTENANCE ENGINEER – M

Full-time @ BCIT – Start date varies (see below)**

ONLY CURRENT GRADE 11 OR 12 STUDENTS MAY APPLY FOR THIS PROGRAM – Must start in Grade 12.

An Aircraft Maintenance Engineer (AME) is responsible for the release (certification) of an aircraft after maintenance, inspection, repair or modification. This is an occupation requiring a high degree of responsibility and skill. Some of the skills learned include certifying airworthiness of aircraft, troubleshooting mechanical/electrical systems and adjusting and repairing systems according to strict specifications.

The program consists of 16 continuous months with short breaks between terms. SD38 covers tuition for the first term (4 months) ONLY and students are responsible for the tuition for terms 2, 3 and 4 (months 5-16).



PROGRAM PREREQUISITES

- Any Math 11 (min 60%) AND a Language Arts 12 (min 67% or 50% for English course)
- Must have Physics 11 (SD38 requirement)
- Successful result - BCIT Mechanical Reasoning Trades pre-entry test
- Recommend Auto Mechanics 11 and/or any Tech Ed 11
- Good colour vision, and interest in mechanics
- Participation in Air Cadets a plus

CREDITS AND CERTIFICATION EARNED

- Receive credit for Term 1 (of 4) toward AME certification and 16-20 secondary school Grade 12 credits
- NOTE: Once registered, student must commit to complete this 64 consecutive-week (16 month) program. AME license will be granted by Transport Canada when required work experience is achieved and applicant reaches age 21.
- **Check with Career Programs Office for program start date (likely early fall or late spring start date in Grade 12)



APPLYING FOR YOUTH TRAIN IN TRADES PROGRAMS

(Priority given to earlier applicants who meet program eligibility requirements)

- Applications available in counselling office or at <http://careerprograms.sd38.bc.ca>
- Specific due dates are on application form
- General due dates:

1st Deadline – Late February/Early March
(Baking Program applicants must meet first deadline)

2nd Deadline – Early April



CONSTRUCTION ELECTRICIAN

Full-time Semester 2 @ BCIT (Delta Satellite Campus) – January - July

This ITA foundation program leads to a Certificate of Completion for Level 1 technical training in this trade. Construction Electricians plan, design, assemble, install, alter, repair, inspect, verify, commission, connect, operate, maintain and decommission electrical systems. Electrical systems provide heating, lighting, power, alarm, security, communication and control in residential, commercial, institutional, industrial, transportation, marine and entertainment environments.

Upon successful completion of this foundation program, students will achieve technical training credit for the first of four levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 (min 60%) AND a Language Arts 11 (min 67%) AND Physics 11 (min 67%)
- Successful results on math and reading assessments
- Relevant ADST (Tech Ed) course work an asset (e.g. electrical)
- Good hearing, eyesight and hand-eye coordination

CREDITS AND CERTIFICATION EARNED

- Pass course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 350 work-based hours
- Receive 20 credits (5 courses) at Grade 12 level



JOINER (CABINETMAKER)

Full-time Semester 1 or 2 @ BCIT (Burnaby)

This ITA foundation program leads to a Certificate of Completion for Level 1 technical training in this trade. Joiners may work in a wide variety of specialties such as cabinetmaking, architectural woodwork (millwork), furniture making, boat interiors and store fixture manufacturing. They use manual and CAD layout or manual and CNC/CAM machines to assemble, install and finish articles that are fabricated with wood, plastic and/or other materials, and are intended to be used as architectural woodwork, millwork and furniture.

Upon successful completion of this foundation program, students will achieve technical training credit for the first of four levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Proven mechanical aptitude, detail oriented; good physical shape
- Completion of ADST (Tech Ed); Woodwork course an asset
- Successful result on math and reading assessments

CREDITS AND CERTIFICATION EARNED

- Pass ITA exam and course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 475 work-based hours
- Receive 24 credits (6 courses) at Grade 12 level



METAL FABRICATION

Full-time Semester 2 @ BCIT (Burnaby) – January - July

The Metal Fabrication (Fitter) foundation program, leads to a Certificate of Completion for Level 1 technical training in this trade.

Using ferrous and non-ferrous metals, fabricators deal with the selection, layout, shearing, cutting, punching, drilling, forming, fitting and welding of steel plates and structural steel shapes into products for the forest, mining, construction, transportation and agricultural industries. Typical projects that involve metal fabricators include bridges, buildings, hoppers, conveyors, towers, cranes, heavy-mining equipment, logging equipment, and ship parts and equipment.

Upon successful completion of this foundation program, students will achieve technical training credit for the first of three levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Successful results on math and reading assessments
- Relevant ADST (Tech Ed) course work an asset
- Good hand/eye coordination and physical condition an asset

CREDITS AND CERTIFICATION EARNED

- Pass course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 450 work-based hours
- Receive 20 credits (5 courses) at Grade 12 level





APPLYING FOR YOUTH TRAIN IN TRADES PROGRAMS

(Priority given to earlier applicants who meet program eligibility requirements)

- Applications available in counselling office or at <http://careerprograms.sd38.bc.ca>
- Specific due dates are on application form
- General due dates:

1st Deadline – Late February/Early March
(Baking Program applicants **MUST** meet first deadline)

2nd Deadline – Early April



AUTO COLLISION REPAIR TECHNICIAN

Full-time Semester 2 @ VCC (Broadway) – January - August

This ITA foundation program leads to a Certificate of Completion for Level 1 technical training in this trade. The program uses modern equipment and techniques to train students in a wide range of skills appropriate to this industry. The VCC auto body shop is outfitted with computer-guided frame straighteners, laser measuring systems, and the latest welding equipment. More than 75 per cent of the program is spent working on the auto body shop floor. Projects are done in small teams that simulate the workplace.

Upon successful completion of this program, students will achieve technical training credit for the first of three levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Relevant ADST (Tech Ed) course work
- Mechanical aptitude, interest and experience
- Successful result on district math assessment

CREDITS AND CERTIFICATION EARNED

- Pass course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 625 work-based hours
- Receive 24 credits (6 courses) at Grade 12 level
- Work experience practicum during program (students find own job)



AUTO REFINISHING PREP TECHNICIAN

Full-time Semester 2 @ VCC (Broadway) – January - August

This ITA foundation program leads to a Certificate of Completion for Level 1 technical training in this trade. This involves working on the surfaces of motor vehicles, primarily in the preparation for restoring vehicle finishes once body work has been completed and prior to painting. Some of the duties include: removing layers of sub-coating; mixing undercoats; preparing metal surfaces for painting by spot filling, sanding, and masking; applying primers, and primer surfaces; and cleaning and polishing painted surfaces. More than 75 percent of the program is spent working on the auto body shop floor.

Upon successful completion of this foundation program, students will achieve credit for Level 1 Technical Training towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Relevant ADST (Tech Ed) course work an asset
- Good manual dexterity, respiratory health and normal colour vision
- Good hand-eye coordination, eyesight, and line, form & depth perception
- Successful result on district math assessment

CREDITS AND CERTIFICATION EARNED

- Pass course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 450 work-based hours
- Receive 16 credits (4 courses) at Grade 12 level
- Work experience practicum during program (students find own job)



BAKING AND PASTRY ARTS

*Full-time Semester 1 @ VCC (Pender) – August - January

*Must apply by first deadline (END OF FEBRUARY IS PREFERRED) – PROGRAM STARTS IN AUGUST AFTER Gr. 11

This ITA foundation program leads to a Certificate of Completion for Level 1 technical training in this trade. Bakers prepare doughs, batters and other ingredients leading to the production of breads, cakes, pies, cookies and other baked goods. Applicants must participate in a one-week practical interview in the VCC kitchen in March. Interviews are the first week in May with the VCC baking department. (Program starts in the summer between Grades 11 and 12.)

Upon successful completion of this foundation program, students will achieve technical training credit for the first of three levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 (minimum "C") AND a Language Arts 11
- FoodSafe Level 1 Certification + 1 week practical interview
- Successful result on math assessment + VCC instructor interview
- Strong attendance / punctuality record; can stand for long time
- Completion of ADST (foods) courses

CREDITS AND CERTIFICATION EARNED

- Pass ITA exam and course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 900 work-based hours
- Receive 24 credits (6 courses) at Grade 12 level
- Must do 120 work experience hours – student arranges on own



CARPENTRY (FRAMING AND FORMING)

Full-time Semester 1 or 2 @ BCIT (Burnaby)

This ITA foundation program leads to a Certificate of Completion for Level 1 technical training in this trade. Carpenters construct, renovate and repair structures made of wood, steel, concrete and other materials. While conforming to plans, specifications and building codes, they may work on residential, civil, institutional, commercial and industrial projects. Training prepares students for entry-level employment in the carpentry trade. Basic theory and related information along with hands-on shop practice enable students to become competent in basic carpentry tasks.

Upon successful completion of this foundation program, students will achieve technical training credit for the first of four levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Must be able to work at heights and in adverse weather
- Relevant ADST (Tech Ed) course work an asset (e.g. woodwork)
- Successful results on math and reading assessments

CREDITS AND CERTIFICATION EARNED

- Pass course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 450 work-based hours
- Receive 16 credits (4 courses) at Grade 12 level



For additional details about each program, view our program flyers and videos at: <http://careerprograms.sd38.bc.ca> • Contact the Career Programs Office at 604-688-6900 ext 3766 or email careerprograms@sd38.bc.ca • Visit your school counsellor or career information advisor.



APPLYING FOR YOUTH TRAIN IN TRADES PROGRAMS

(Priority given to earlier applicants who meet program eligibility requirements)

- Applications available in counselling office or at <http://careerprograms.sd38.bc.ca>
- Specific due dates are on application form
- General due dates:

1st Deadline – Late February/Early March
(Baking Program applicants must meet first deadline)

2nd Deadline – Early April



INDUSTRIAL MECHANIC (MILLWRIGHT)

Full-time Semester 2 @ KPU (Cloverdale) – January - July

Through this ITA foundation program, students are provided opportunities to apply the practical skills taught in hand, power and machine tool use, and perform various shop projects in stationary industrial machinery and mechanical equipment maintenance, troubleshooting, overhauling and installation. Students will be trained in the use of lathes, milling machines and grinders to make customized parts or repairs.

Upon successful completion of this program, students will achieve technical training credit for the first of four levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Completion of ADST (tech ed); Physics 11 course an asset
- Proven mechanical and mathematical aptitude
- Enjoys investigation, analysis and problem solving
- Successful result on district math assessment

CREDITS AND CERTIFICATION EARNED

- Pass course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 425 work-based hours
- Receive 20 credits (5 courses at Grade 12 level)



PAINTING AND DECORATING (COMMERCIAL)

6 weeks at FTI (Surrey) – Mid-June - July

This ITA Level 1 technical training program provides an overview of the painting industry. Students are introduced to common coatings, surface preparation techniques, and proper use of the tools and materials used in this trade, including airless spray. An extensive safety program includes respirator training, fall protection, ladder and scaffold training, elevated platform training and WHMIS.

Upon successful completion of this foundation program, students will achieve technical training credit for the first of three levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Good colour vision, and interest in mechanics
- Ability to stand for lengths of time and work at heights

CREDITS AND CERTIFICATION EARNED

- Pass ITA exam and course work to earn Level 1 technical training certification (Certificate of Completion)
- Receive 4 credits (1 course) at Grade 12 level



SHEET METAL

Full-time Semester 1 @ BCIT (Burnaby) – September - January

This ITA foundation program leads to a Certificate of Completion for Level 1 technical training in this trade. Students are exposed to common welding processes and learn how to fabricate, assemble, alter and install sheet metal. Areas of work may include HVAC (Heating, Ventilating and Air Conditioning) ductwork, industrial and residential sheet metal work. Work is also found with hospital and kitchen equipment (stainless steel), industrial exhaust systems, industrial sheet metal work, and roofing and flashing (copper, aluminum, stainless steel and galvanized iron).

Upon successful completion of this foundation program, students will achieve technical training credit for the first of four levels towards Red Seal certification and can seek employment as apprentices.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11 (min 67% or 50% for English)
- Successful results on math and reading assessments
- Relevant ADST (Tech Ed) course work an asset
- Good physical condition and able to work at heights

CREDITS AND CERTIFICATION EARNED

- Pass course work to earn Level 1 technical training certification (Certificate of Completion) + credit for 350 work-based hours
- Receive 20 credits (5 courses) at Grade 12 level



WELDING

Full-time Semester 2 @ KPU (Cloverdale) – January - August

Through this ITA foundation program, students will achieve the necessary skills and knowledge to work safely and effectively using a variety of welding processes and procedures. This program prepares graduates for work with companies that manufacture structural steel and plate work, boilers, heavy machinery, and other ferrous and non-ferrous metal products. At the end of the Foundation program students will write the Welder Certificate of Completion exam.

Students who complete the Foundation program and exam are eligible for ITA credit in Welder Level 1 and Level 2 technical training and 300 work-based hours. Students must commute daily to Kwantlen Polytechnic University Cloverdale campus and are encouraged to have their own driver's license.

PROGRAM PREREQUISITES

- Any Math 11 AND a Language Arts 11
- Completion of ADST (Tech Ed) course
- Mathematical aptitude, detail-oriented and good hand-eye coordination
- Successful result on math assessment + KPU instructor interview

CREDITS AND CERTIFICATION EARNED

- Pass ITA exam to earn Level 1 technical training certification (Certificate of Completion) + credit for work-based hours
- Receive 24 credits (6 courses at Grade 12 level)



For additional details about each program, view our program flyers and videos at: <http://careerprograms.sd38.bc.ca> - Contact the Career Programs Office at 604-688-6000 ext 3766 or email careerprograms@sd38.bc.ca - Visit your school counsellor or career information advisor.

District Career Programs Office Team

- District Coordinator – Career Programs:
Terri Lockhart
- Career Programs Facilitator:
Peter Thackwray (Day 2's)
- Youth Work in Trades Facilitator/Career Programs:
Harrison Brown
- Administrative Assistant – Career Programs:
Suzanne Mah

Questions for the team?

- Email: careerprograms@sd38.bc.ca
- Call: 604-668-6000 ext 3766

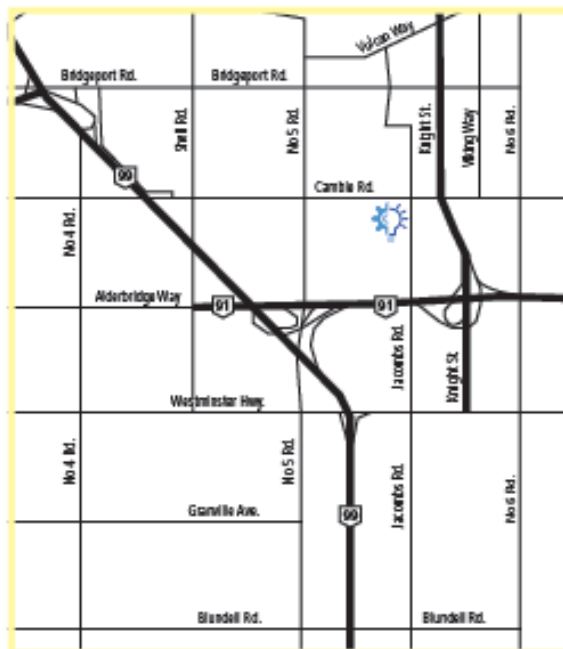
For More Information...

- Check the Career Programs website
- Virtual information sessions
- Virtual program site tours
- Career Programs display board (in/near secondary school counselling area)

Parents as Career Coaches

- Evening for secondary school parents to learn how to be career coaches for their children
- Choose one of two dates this year – check District PAC or Career Programs website to register

SD38 Career Programs Office
c/o Cambie Secondary School, 4151 Jacombs Road,
Richmond, BC V6V 1N7



RICHMOND
SCHOOL DISTRICT NO. 38



Ministry of
Education

careerprograms.sd38.bc.ca

WORK EXPERIENCE (WEX 12A AND WEX 12B)

What is Work Experience (WEX)?

WEX 12A or 12B are school-sponsored work experience courses that provide students the opportunity to engage in career exploration through community-based work and volunteer programs. Students participate in a variety of work-based activities related to an occupation or career focus area of interest. Each course comprises 90 hours minimum of work/volunteer experience and 10-30 hours in-class learning activities.

Rationale for Work Experience:

Work experience is intended to help prepare students for the transition from secondary school to the world of work or further education and training. The community becomes the classroom where students gain knowledge and experience about the workplace and are provided with a frame of reference to review or revise their career goals. Work experience provides students with an opportunity to apply classroom learning in a context outside of school and to bring back to the classroom new perspectives to further develop their personal career transition plans.

Goals of each Work Experience course include to:

- observe and practice employability skills required in the workplace as well as technical and applied skills related to specific occupations.
- connect classroom learning to the knowledge, skills and attitudes needed in the workplace.
- develop job-readiness skills for specific occupations and/or career areas.
- learn about employment expectations, regulations and practices.

Prior to Starting a Work Placement:

- students must be able to demonstrate job-seeking skills, including resume writing and job interview skills.
- students should be able to demonstrate an understanding of workplace risk reduction and injury prevention.
- the Career Life Education 10 learning outcomes related to job seeking, job keeping, employment standards and workplace safety, must be successfully completed.

Career Focus Areas for students to select from may include:

1. Business and Applied Business
2. Fine Arts, Design, and Media
3. Fitness and Recreation
4. Health and Human Services
5. Liberal Arts and Humanities
6. Science and Applied Science
7. Tourism, Hospitality, and Foods
8. Trades and Technology

Note:

- These courses are not intended as “instant credits” for students who have a part-time job.
- The time given to work experience may be within the timetable or outside of the timetable. Care will be taken to limit the loss of class time during work placements. After school, weekend, school Professional Development days, and possibly even holidays may be used for work experience.

COURSE DESCRIPTIONS

PLEASE NOTE:

- Course Fees – Basic supplies will be provided to students in order to meet the learning outcomes of all courses. However, should a student choose to use optional materials to enhance a project or wish to participate in optional field trip experiences, a fee will be charged.
- Students who have already completed and passed a grade appropriate course (ie: at summer school, on-line, etc.) ahead of time are not guaranteed the opportunity to take the next level course at Burnett. Space in courses is limited and priority must be given to grade appropriate students. For example, a grade 12 student will be given priority to take English 12 over a grade 11 student who takes English 11 at summer school and wishes to proceed to English 12 in their grade 11 year.

~ART~

J.N. Burnett's Art Department welcomes you to our community! This is a place where creative thinking, imagination, and collaboration thrive. Whether you are an experienced artist, or someone who has never taken an art class before, we invite all of you to experience the many different courses we have to offer. Each year we invigorate our program with new and exciting opportunities for our students. Come and join the fun!

ART 8

Welcome to a place where imagination flourishes, a place where your creativity can be expressed! Art 8 introduces methods such as drawing, painting, printmaking and ceramics. Come and explore your imagination...the sky is the limit.

~ART STUDIO~

ART STUDIO 9

This course is designed for the student who loves to explore all methods of art-making. Painting, drawing, printmaking, and sculpture are some of the many processes we have to offer all artists, at any level. If you loved the variety Art 8 had to offer, this course is for you. Step into the studio and join the fun!

ART STUDIO 10

This course is for the individual who loves all aspects of art - both two and three-dimensional. Draw, paint, print and sculpt your ideas into existence. Learn about the role art can play in your life and discover the many career possibilities the arts can hold. Join our creative community!

ART STUDIO 11

Are you curious about the various methods and concepts that art has to offer? This course is designed to both build on the skills of continuing artists as well as introduce those who are new to art to the many different techniques explored in the studio. Discover artists of the past and present while exploring your own ideas. Develop the creative problem-solving skills that are sought after in today's job market. Let your imagination run wild!

ART STUDIO 12

This course is designed for individuals that enjoy both two and three-dimensional art making but want the best of both worlds wrapped up in one course. Whether you are serious about studying art & design, or taking art to develop skills, relax and have fun, this course has something for everyone. Let's get creative!

~STUDIO ARTS 2D – DRAWING AND PAINTING~

STUDIO ARTS 2D 9

Have you always wanted to learn how to draw? Studio Arts 2D 9 explores a wide variety of two-dimensional media including drawing, painting, collage, printmaking, textile design, and visual journaling. Ready...set...let's draw!

STUDIO ARTS 2D 10

Wanted: creative minds! This course is designed for students who want to develop their drawing and design skills, while exploring their own ideas. Studio Arts 2D 10 expands the many methods of drawing and painting---including pen & ink, watercolour, acrylic, pastel, pencil, visual journaling, and much more! Get ready for maximum creativity...and amazing results!

STUDIO ARTS 2D 11

This course has a strong focus on designing, visual journaling, drawing, painting, and printmaking. Develop your technical skills while expressing yourself creatively. Explore the world around you visually. Whether you are interested in embarking on an exciting career in art & design, and starting to build a portfolio, or just want to take a fun and creative course, Studio Arts 2D 11 is for you!

STUDIO ARTS 2D 12

Welcome to the studio! Studio Arts 2D 12 is a course that focuses on design, drawing, painting, visual journaling, printmaking, and, for those who are interested, portfolio development. Learn about the vast art career opportunities and acquire skills and visual literacy – important in any career endeavor! Celebrate your individuality and express your ideas in this studio-based course.

~STUDIO ARTS 3D – SCULPTURE~

STUDIO ARTS 3D 9

Experience the excitement of creating things in three dimensions! This course explores a wide variety of sculptural techniques and materials, including clay, paper mache, wood, plaster, wire, found objects and more. Bring your ideas to life in this hands-on, creative class!

STUDIO ARTS 3D 10

Build it up, mash it down! Pile it high or carve it away! Tap into your need to create in 3 dimensions with this sculptural course! Explore a wide variety of sculptural techniques including clay, wire, plaster, paper maché, assemblage, cardboard, casting, and more! No artistic experience required, just creativity and a desire to make!

STUDIO ARTS 3D 11

Do you love working with your hands? Do you want to know how to bring a two-dimensional drawing to life in three-dimensional form? Learn the tricks and techniques of both reductive and additive sculpture techniques. Make fun and creative projects you can take home...come on a creative adventure!

STUDIO ARTS 3D 12

Whether you are destined to become the next great sculptor or just love getting your hands dirty, Studio Arts 3D 12 is the course for you. Experience the thrill of creating impressive three-dimensional work. Expand your portfolio, or just explore making creative projects...new projects, new materials, and new ways of expressing yourself!

~PHOTOGRAPHY/MEDIA ARTS & GRAPHICS~

PHOTOGRAPHY/MEDIA ARTS & GRAPHICS 10

Are you ready to learn how to take amazing photos? Are you interested in graphic design? This course introduces you to the basics of Photography and Media & Graphic Arts---from camera techniques, darkroom experimenting, to photo computer enhancing and movie making. This course has a bit of everything! Learn the techniques that will improve and enhance your visual eye whether you use a simple automatic camera or a sophisticated SLR model... or even your phone! Whether you want to head into the fields of photography, graphic design, journalism, film-making, or simply want to take better shots and create memories, this course is for you!

PHOTOGRAPHY/MEDIA ARTS & GRAPHICS 11

This course is designed to accommodate both the returning Media 10 student as well as the beginning Media Art student! As a beginner, you will learn the basics of photography to graphics to movie making. As a returning Media Art loving advanced student, you will explore, the more detail, techniques of digital photo imaging and movie making using Photoshop and IMovie. Learn to alter, twist, colour, break apart, reconstruct. Merge together and radically change your existing images! Experiment with digital photography as an added method for creating images, then take those photos and create montages using various movie editing techniques using the professional industry based program Final Cut Pro. Most of all, develop your own photo graphic style and artistic voice-a-picture is worth a thousand words!

PHOTOGRAPHY/MEDIA ARTS & GRAPHICS 12

Prerequisite: PMAG 11, a portfolio, or teacher's permission.

This course is designed for the student who is seriously considering further study in Media Arts (photography, graphics, film etc.) As Media Arts 12 is an advanced course, it is expected that students will use most of their time to complete a portfolio that will help them to gain admission to a post-secondary school. Students enrolled will work primarily in a self-directed fashion, therefore dedication and time management skills are a MUST! Instructor will advise, critique and help develop projects designed to assist VAMT 12 students in the articulation of their visual statements. Career possibilities are highlighted, as are current trends in photography, art and design. This course is for the artist wanting to go into a media based career, building a digital portfolio and creating movies with the latest Photoshop and Final Cut Pro Programs.

YEARBOOK MEDIA ARTS 10

YEARBOOK MEDIA ARTS 11

YEARBOOK MEDIA ARTS 12

Students will develop a yearbook theme, and then learn to plan and publish the finished product. Emphasis is placed on developing skills in layout and design, graphics, and the use of Josten's Yearbook Avenue, GIMP and /or Adobe Photoshop. Students develop abilities in gathering information, writing copy and captions, understanding components of quality photography, copy editing skills, and techniques of headlines. This course will also require students to take photos that will be used in the yearbook. They are instructed in the use of cameras and encouraged to experiment with different techniques. The class is responsible for all aspects of the production of the yearbook.

NOTE: The course will be offered as an off-timetable course. Students will be required to meet once or twice a week, either early morning or after school.

~ART ADVANCED PLACEMENT STUDIO~

STUDIO ART AP 12

Prerequisite: Permission from the Visual Arts Department and at least two senior level art courses (grade 11 and 12)

JN Burnett Secondary's Art Department offers the Advanced Placement Drawing program. In order to take Advanced Placement, students must have experience in at least two senior level art courses, as well as teacher permission. Candidates for the AP Drawing program must show initiative and a commitment to developing a portfolio. Advanced Placement is suitable for students who are interested in the challenge of developing their creative concepts and craftsmanship at the college level.

~ BUSINESS EDUCATION ~

ACCOUNTING 11

This is a course in basic accounting principles and their applications. Topics to be covered are: general ledger, subsidiary ledgers, journal entries, trial balance, financial statements: income statement and balance sheet, payroll adjustments, worksheets and closing entries. This course is designed as an introduction to accounting concepts for those seeking entry-level employment in the accounting field as well as for those wishing to continue further study in accounting.

ACCOUNTING 12

Prerequisite: AC 11

This course stresses the practical application of the principles taught in Accounting 11, using more advanced procedures and techniques. Advanced concepts such as payroll, depreciation, and internal control will be introduced. This is a useful course for any student who expects to go directly into employment in business. Those students who intend to complete a university business degree, college business diploma or a professional accounting degree are strongly advised to take this course. Students are required to have a laptop computer for this course, as most assignments will be completed using Microsoft Excel

FINANCIAL ACCOUNTING 12

This course is an introduction to financial accounting concepts. Completion of Accounting 11 is not a requirement. This is an excellent course for students planning to pursue post-secondary studies in accounting, finance, business management course or commerce. In addition to basic accounting concepts and procedures, students will be introduced to advanced topics such as adjustments, and financial analysis.

ENTREPRENEURSHIP AND MARKETING 10

This course allows students to explore entrepreneurial opportunity, innovation, product development, and focus on combining principles of business development with market awareness.

ECONOMICS 12

Prerequisite: SS 11

This course is an introduction to economic theory, the Canadian economy and global trends. It covers such problems as recession, unemployment, inflation, foreign ownership, the relationship between supply and demand, banking and international trade. EC 12 examines the roles of the major players on the economic scene: consumers, investors, business, labour and government. Students planning to enter the Faculty of Commerce/Business Administration in post-secondary studies will find this course very helpful.

ENTREPRENEURSHIP 12 (Formerly Marketing 12)

This course sees the entrepreneur as an innovator and focuses on the local business community, identification of business opportunities, preparation and evaluation of business plans. It is designed to give students a greater appreciation of *Marketing on an entrepreneurial and global level*. In the process, students will develop fundamental skill sets such as communication, case analysis, presentation, public speaking, business reports, and critical thinking. A variety of learning methods will be employed: Group work, Presentations, Research, Guest Speakers, Report Writing, and Running the school store / website.

Marketing and Promotion 11

This course focuses on developing knowledge and skills in the context of retail and service marketing. Students will learn about the importance of customer service, analyse the methods used to maintain customer loyalty, examine ways in which product presentation influences buyers, and investigate the critical factors involved in inventory control, including the role of technology. A variety of learning methods will be employed: Group work, presentations, research, guest speakers, report writing, and running the school/website.

~ CAREER LIFE EDUCATION 10 AND CAREER LIFE CONNECTIONS ~

CAREER LIFE EDUCATION 10

Career Education is a process that recognizes three major phases of career development—Foundation and Awareness, Exploration, and Experience and Application. The connection between grade levels and phases is one of emphasis—many high school students will still need to focus on awareness or exploration for example. Students will transition through each phase based on their personal development and community context. Career Education helps students discover the bridge between classroom learning and post-graduation life, and is intended to make their learning meaningful and relevant to their next steps after school.

CAREER LIFE CONNECTIONS (Including the Capstone)

Career Life Connections is a 4-credit program required for Grade 12 Graduation. It is intended to assist students in making preparations so they have a successful transition to life after secondary school. As students at Burnett move through Grades 10–12, they will further refine their understanding of the links between personal development and their career decisions. They consider regional and global trends to reflect on career possibilities, refine their understanding of safety requirements associated with occupational areas and related technologies, and further develop and refine their understanding of career possibilities through planning, practice, and application of competencies and knowledge. Curricular competencies for Career Life Connections and the Capstone Project will be developed through assignments, presentations, and student reflections during Burnett Conference Days through Grades 10 - 12.

~ INFORMATION TECHNOLOGY ~

The Digital Media core will introduce and develop the student's skills in the area of computer graphics, animation, design layout, web publishing and video production. This path is designed to prepare students for post-secondary computer graphics, video production and web development courses.

INFORMATION TECHNOLOGY & KEYBOARDING 9

This is an introductory course in computers and typing for. Basic computer skills and keyboarding techniques will be learned and applied in personal and business documents such as letters and essays. Speed and accuracy on the keyboard will also be emphasized. Relationships between technology and social change and strategies to manage and maintain personal learning networks, including content consumption and creation will be emphasized. Students will be exposed to development and collaboration in a cloud-based environment. This course is open to students in grade 9.

COMPUTER STUDIES & KEYBOARDING 10

This is an introductory course in both computer studies and typing for students who have not taken keyboarding. Basic computer skills and keyboarding techniques will be learned and applied in business applications, including word processing, spreadsheets and presentations. As well distinctions between software types, cloud-based and desktop applications will be learned. The evolution of digital technology and the impacts if computers and technology on society, as well as digital literacy and digital citizenship will be examined. Speed and accuracy on the keyboard will also be emphasized. This course is open to Grade 10, 11, and 12 students.

INTRO TO COMPUTERS & WEB DEVELOPMENT 10

This course is designed to introduce students to the world of computers. The following topics will be examined: History of computers, parts/structure and types of computers, creating graphics on the computer, introduction to MS Office/Google Suite (Word, Excel, PowerPoint), Photoshop (learn to manipulate graphics), creating animation on the computer (Flash) and introduction to the Internet and creating basic web pages using HTML scripting language. This course is ideal for beginners. Basic understanding of how to use a computer is an asset but not essential. A home computer is not necessary, nor are there any prerequisites.

BUSINESS COMPUTER APPLICATIONS 12

This introductory course provides an overview of practical computer applications relevant in a business environment. Students will use up-to-date office standard technologies to develop business communication, problem-solving and technology application skills. This will come in the form of assignments that deal with word processing, publications, spreadsheets, PowerPoint presentations, and minor web design elements. This course will focus on the use of the following applications: Microsoft Word and Page Design, Microsoft Excel and Business Modelling, Microsoft PowerPoint or Open Source Presentation (Prezi), Bonus: Intro Web Design (WordPress, Wix or Weebly).

DIGITAL MEDIA DEVELOPMENT 11

This course provides an overview of basic media design principles. The focus of this course will be to give students experience with various technology platforms to develop their own unique personalized story based digital media. This course will focus on the following industry applications/Issues: Adobe Animate/Flash, Adobe Fireworks, Open source Graphic Apps, Apple I-Movie, Garage Band/Audacity, Web Development (Blogs, Coding, Social Media), Action Script and HTML.

DIGITAL MEDIA DEVELOPMENT 12

This course provides an overview of practical computer applications dealing with various forms of digital media. The focus of this course will be to allow students greater familiarity with developing some standard forms of 2D graphics, 3D modelling, video sound and web content. This course will concentrate on the use of the following industry applications/issues: Adobe Flash/Animate, Adobe Photoshop, Adobe Illustrator (if time available), Adobe Premiere Elements or Pro, Garage Band/Audacity/Open source sound tools, CSS Layer/Dreamweaver, Blender 3D Modelling.

COMPUTER INFORMATION SYSTEMS 11

This course provides an overview of some of the basic concepts covered in the field of computer information systems. CIS is concerned with the use of various forms of computer related technology to aid and expedite the flow of information/data. The focus of CIS 11 will be to allow students greater familiarity with some of these types of information system technologies. The following applications, issues and concepts will be addressed with each course: Computer Hardware/Software/OS, Internet Systems, Computer Protocols: FTP, TCP/IP, Hands on Computer Assembly, Technical Troubleshooting.

COMPUTER INFORMATION SYSTEMS 12

This course provides an overview of some of the basic concepts covered in the field of computer information systems. CIS is concerned with the use of various forms of computer related technology to aid and expedite the flow of information/data. The focus of CIS 12 will be to allow students greater familiarity with some of these types of information system technologies. The following applications, issues and concepts will be addressed with each course: Impact of Evolving Computer Hardware/Software, Internet Systems, Networking Basics/Topologies/Servers, Troubleshooting Protocol/Security, Hands Network Assembly.

~DRAMA~

DRAMA 8

This course will get you moving, creating and collaborating! We work hard to create a safe and supportive classroom community and explore our creativity through activities and performances. This is a great place to gain experience and confidence to speak in public and work with others – foundational skills for all of high school! Many acting basics like voice and body control, tableau, character building, mime, and scene creation are explored through games and projects. Students will also have the opportunity to attend professional productions to develop their critical abilities. An engaging and active course!

DRAMA 9

Get out from behind a desk and get moving! Drama 9 continues to build a student's experience and confidence in collaborating with others and presenting on stage. Acting fundamentals like body and voice control, mime, improvisation, character building and stage basics are reviewed and built upon so new students are welcome. Favourite units include Reader's Theatre and "Panto", which we perform for a group of young students from Blair – a true highlight of the year. Students have the opportunity to attend professional productions to develop their critical abilities.

DRAMA 10

Drama 10 furthers the topics covered in Drama 9 though new students are also welcome! The course continues to develop skills in acting, character building, production and scene writing. More advanced work in scene analysis and character portrayal is explored through scripted scenes and plays. We also explore physicality through mime, mask and the fun of stage combat! There is a continued emphasis on individual and group dynamics in all we create, and creativity and risk taking are encouraged. Students have the opportunity to attend professional productions to develop their critical abilities.

DRAMA 11

Acting makes us take a deeper look at ourselves so that we can begin to understand others. This course is designed for students interested in honing their skills as performers through various acting genres and scene work. Focus is given to the importance of treating our bodies and voices as instruments. We will begin to explore production elements such as lighting, sound, set, costume, make up and props. We will create characters from scripted and non-scripted sources. Units of study may include Old Age Character, Mask Work, Commedia Dell'Arte, Stage Combat, Mime, scene study, monologues and the production of an original or published One Act play. We will also explore careers related to acting, including those in film and TV. Students will be encouraged to attend and review professional productions to display their critical abilities. A level of ELL 4 or higher is highly recommended.

DRAMA 12

Acting 12 offers further content and study in acting genres, character creation and scene work (scripted and original). Acting skills such as focus, concentration, confidence, and honesty are further developed, as is class leadership. Acting technique in relation to technical elements will be explored and students will create characters from scripted and non-scripted sources. Units of study may include Mark work, Stage Combat, Mime, Scene study, Monologues, Audition technique, Acting for Film and TV and the production of an original or published One Act play. We will also explore careers related to acting, including those in film and TV. Students will be expected to attend and review professional production to display their critical abilities. A level of ELL 4 or higher is necessary.

THEATRE COMPANY 10/11/12

Theatre Company is an exciting course for Drama students who want to perform in a large school play production while gaining course credit! Students will participate in both the technical and creative processes as we create and collaborate on our shows. Classes are held after school two to three times per week as a linear course, with extra hours required around show dates for rehearsal and technical runs. This class requires a lot of commitment, hard work and an audition (around February/March) and it is recommended that students also continue to acquire and refine the performance skills necessary in the Acting Course for their grade level. It is an amazing life experience that creates lasting bonds and memories. Please only consider this course if you have previous Drama experience.

~DANCE~

DANCE TECHNIQUE AND PERFORMANCE 9

Dance 9 is an introductory course that focuses on: technique, strengthening, balance, flexibility, rhythm, and confidence development. Students require dance strip. Various genres will be explored. Assignments include group movement projects, leadership of warm-ups, group choreography and written work.

DANCE TECHNIQUE AND PERFORMANCE 10

Further development of dance skill continues. New skills such as leadership, pattern awareness, imagination, stage presence and performance choreography are introduced. Various genres will be explored. Assignments include group choreography projects, leadership of warm-ups, and written work.

DANCE TECHNIQUE AND PERFORMANCE 11

Further development of dance skill continues. Various genres will be explored. Assignments include solo choreography, leadership of warm-ups, and written work.

DANCE TECHNIQUE AND PERFORMANCE 12

Prerequisite: DNP 11 or Teacher Permission

Students will specialize in technique, dance terminology, dance genres and design. Students continue their participation in both training and performance of dance. Assignments include solo and group choreography, leadership of warm-ups, and written work. There is emphasis on positive leadership skills and teaching classmates original choreography.

~ENGLISH~

HUMANITIES 8

This two-semester course contains English and Social Studies components. The course aims to develop students' listening, speaking, reading and writing abilities. Teachers select from a range of literature and texts. These are often linked thematically to the Social Studies topics of World Geography, Middle Ages, Renaissance and Exploration.

HUMANITIES 8 INCENTIVE

This two-semester course contains English and Social Studies. This program enriches the regular curriculum and is intended to elicit higher level skills. Incentive Humanities involves teaching strategies that enhance students' abilities to read extensively, think analytically and critically, speak and write fluently, use research resources effectively and work independently. Enrolment is limited and candidates must demonstrate a willingness and an ability to meet the rigours of the course before being accepted. In general, only students who have earned B or A marks in previous Language Arts courses should apply.

ENGLISH 9

Students continue their development in the four areas of listening, speaking, reading and writing. They explore more challenging works of literature, with a focus on a wide variety of prose and poetic forms and genres, and the ever-changing character of the English language. Through both reading and writing, students learn to recognize and produce different patterns of the written language.

ENGLISH 9 INCENTIVE

This program enriches the regular curriculum and is intended to elicit higher-level skills. Incentive English classes are formed on a year by year basis. Students must demonstrate:

- a mark of 80% or higher.
- the ability to participate well in class discussions.
- strong written expression

ENGLISH 10

Students have the opportunity to choose **ONE** of the following paired courses:

COMPOSITION 10 AND SPOKEN LANGUAGE 10

Composition 10 is designed for students who have an interest in developing their skills in written communication in a variety of contexts. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through processes and drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations. The course provides opportunities for diverse learners to be supported in developing and refining their writing abilities.

Spoken Language 10 - spoken language skills are increasingly necessary in everyday, educational, and professional contexts. Spoken Language 10 provides opportunities for students individually and collaboratively to study, create, and use language to produce original pieces in a variety of modes. The course will provide students with opportunities for performance and public speaking. Spoken Language 10 will appeal to students who enjoy public performance or oral storytelling or who want to gain more experience and skill in this area.

This course may be of particular interest to:

- students with strong verbal communication skills
- ELL students who want to develop their oral language skills
- Students going into professions in which presentation skills are an asset
- Students who may wish to help maintain oral traditions

CREATIVE WRITING 10 AND NEW MEDIA 10

Creative Writing 10 is designed for students who have an interest in creative expression through language. The course provides students with in-depth opportunities to become better writers through the exploration of personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community of writers, students will collaborate and develop their skills through writing and design processes. This course is intentionally grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing.

New Media 10 is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. This course is intended to allow students and educators the flexibility to develop a program of study centred on students' interests, needs and abilities, while at the same time allowing for a range of local delivery methods. New Media 10 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media. Compared with New Media 11, New Media 10- emphasizes tasks and texts of less complexity and sophistication.

LITERARY STUDIES AND COMPOSITION 10

Literary Studies 10 is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- Increase their literacy skills through close reading of appropriately challenging texts
- Enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- Expand their development as educated global citizens
- Develop balance and broaden their understanding of themselves and the world
- Develop higher-level thinking and learning skills

Composition 10 is designed for students who have an interest in developing their skills in written communication in a variety of contexts. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through the process of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations. The course provides opportunities for diverse learners to be supported in developing and refining their writing abilities.

ENGLISH 10 INCENTIVE- LITERARY STUDIES 10 AND COMPOSITION 10

This program enriches the regular curriculum and is intended to elicit higher-level skills. Incentive English classes are formed on a year-by-year basis. Students must demonstrate

- A mark of 80% or higher
- The ability to participate well in class discussions
- Strong written expression

Literary Studies 10 is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- increase their literary skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- develop higher-level thinking and learning skills

Composition 10 is designed for students who have an interest in developing their skills in written communication in a variety of contexts. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through processes of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations. The course provides opportunities for diverse learners to be supported in developing and refining their writing abilities.

ENGLISH 11 – Students have the opportunity to choose ONE of the following focused English 11 courses:

Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations. The course provides opportunities for diverse learners to be supported in developing and refining their writing abilities.

Spoken Language 11 provides opportunities for students individually and collaboratively to study, create, and use language to produce original pieces for a range of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, while preparing for performance and public speaking. Spoken Language 11 will appeal to students who enjoy public performance or oral storytelling or who want to gain more experience and skill in this area.

Creative Writing 11 is designed for students who have an interest in developing confidence and refining their writing skills through creative self-expression through language. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community of writers, students will collaborate and develop their skills through writing and design processes. This course is intentionally grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, extend, and refine their writing.

Literary Studies 11 allows students to delve deeply into literature and is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- increase their literary skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- develop higher-level thinking and learning skills

ENGLISH 11 INCENTIVE - LITERARY STUDIES 11

Strongly recommended for students who plan to take ENG 12AP

This program enriches the regular curriculum and is intended to elicit higher-level skills. Incentive English classes are formed on a year-by-year basis. English 11 Incentive gives the student the opportunity to improve and practice skills that will expose students to the type of activities and expectations required by the AP program. English 11 Incentive lays the groundwork and foundation for success not only in later AP classes but ultimately in college/university course work as well. Students must demonstrate

- A mark of 80% or higher
- The ability to participate well in class discussions
- Strong written expression

ENGLISH STUDIES 12

Prerequisite: EN 11

This course is a combination of Composition 12 and Literary Studies 12. As such, it prepares students for post-secondary studies. The main emphasis of English Studies 12 is on the analysis of works of literature and the development of critical thinking, reading, writing and presentation skills.

Composition 12 is designed to support students in their refinement and pursuit of mastery of written communication. Students will read and study exemplary compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students, with increasing independence and self-sufficiency, to study, create, and write original and authentic pieces for a range of purposes and audiences using real-world applications with impact and effectiveness. They will develop their craft through processes of drafting, reflecting, and revising to build a body of publishable work that demonstrates breadth, depth, and evidence of sophisticated and specialized writing for a range of situations.

Literary Studies 12 allows students to delve more deeply into literature through increasingly complex texts. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- increase their literacy skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- further refine higher-level thinking and learning skills

ENGLISH 12 ADVANCED PLACEMENT – Literature & Composition

Prerequisite: EN 11 and teacher recommendation/EN 11 Incentive

Gifted and well-motivated students who have made superior achievement in English 11 may take this course in lieu of English Studies 12. This course will cover and extend the concepts developed in the English 12 program and will prepare students for the Advanced Placement Examination.

This course is worth 8 credits. Students will get credit for both English Studies 12 and English 12AP.

~ELL~

ELL 1 ENGLISH

This is a beginner's English course that develops basic reading, writing, listening and speaking skills.

ELL 2 ENGLISH

This is an upper beginner's English course that furthers students' reading, writing, listening and speaking skills.

ELL 2 SCIENCE

This introductory Science course introduces level 2 students to lab and safety terminology, along with units on water, air, chemistry and energy. Students must be successful in ELL 2 English and ELL Science in order to be promoted to ELL 3.

ELL 3 ENGLISH AND SOCIALS

This is a linear language course that focuses on developing fluency in English through practical use of the language and a study of the mechanics of basic sentence and paragraph structure. This course has an introductory social studies component that focuses on Canadian government and Canadian history.

ELL 4 ENGLISH

This course is for ELL students who are fluent in English. It has composition and literature components.

~HOME ECONOMICS~

All Home Economic courses fit under the Applied Design, Skills, and Technologies curriculum.

HOME ECONOMICS 8 (FOOD STUDIES & TEXTILES)

Home Economics 8 along with Technology Education 8 are the two modules that make up the Applied Design, Skills, and Technologies 8 course.

Home Economics encourages the acquisition of skills for life-long learning. Students are encouraged to develop social competencies and practical skills related to individual, family, community and global needs. They will learn to complete complex tasks that will require multiple skills, tools, and technologies. A compulsory Grade 8 course allows students many opportunities to develop these skills and competencies through the basic components of Textiles and Foods Studies. This introduction will also allow students to make wiser choices in future course selection. The course is made up of the following sections:

Food Studies: An introduction to the basic principles of food preparation and food handling skills. Nutrition, social factors that affect food choices, local food systems, and First People food use will also be explored.

Textiles: An introduction in the use of sewing machines, equipment and supplies. Students will learn complex tasks that may require hand and/or machine tools and technologies. They will use their new skills in constructing one or two projects.



FOOD STUDIES 9/10 – COURSE A

(Students will automatically be enrolled in the foods course that matches their grade.)

This course provides an introduction to the principles of food preparation, basic cooking techniques and nutrition. Management of time, energy and resources, smart consumerism, understanding of food safety and aiming for and recognizing quality in food products are all areas of development. Students will apply their knowledge to the planning, preparing and serving of meats and alternatives, vegetables and fruits, milk products and a wide variety of grain products. Classes will encourage students to make wise food choices to fit in with their cultural backgrounds, life styles and nutritional needs.

This course will be offered in 2021-2022.

FOOD STUDIES 9/10 – COURSE B

(Students will automatically be enrolled in the foods course that matches their grade.)

This course is an extension designed to further explore food preparation principles. Critiquing snacks, analyzing food labels and nutrition are integral parts of the foods course. Various baked goods, nutritious snacks and small meals will be prepared allowing the students to experience a wide variety of cooking techniques and methods of food preparation.

This course will be offered in 2022-2023.

FOOD STUDIES 11/12 - COURSE A

(Students will automatically be enrolled in the foods course that matches their grade.)

This is an intermediate course designed to broaden the student's experiences in the planning and preparation of food. The course is divided into two main components: baking and meal preparation. A wide variety of baked goods as well as partial and complete meals are prepared so that students gain practise in menu planning and experience a wide variety of methods of food preparation. Nutrition is an integral part of this course. Students will be given the opportunity to plan and select recipes for use in the lab. This course provides practical skills for independent living.

This course will be offered in 2021-2022.

FOOD STUDIES 11/12 - COURSE B

(Students will automatically be enrolled in the foods course that matches their grade.)

This course is designed for students who want advanced knowledge in the areas of cookery techniques, meal planning, meal preparation and nutrition. The main component of the course is International Foods, as the course will focus on the study of different cultures and their cooking. Labs are more advanced in meal preparation, food costing and presentation. Skills developed will promote competent, independent living and may be used to pursue careers in the Foods industry.

This course will be offered in 2023-2023.

TEXTILES 9

This is an introductory course for Grade 9 students who have an interest in clothing, fashion trends, and learning how to sew. Students will learn about the design process, and will learn that complex tasks may require multiple hand and/or machine tools and technologies. They will use their new skills in creating and designing several projects including sweatpants, sweatshirt and a zipper hoodie. Students will also consider ways to minimize waste and their impact on the environment. All supplies and materials are to be chosen and purchased by the student.

TEXTILES 10

This is a course for Grade 10 students who have an interest in clothing, fashion trends, and developing their sewing skills. Students will learn about the design process, and will learn that complex tasks may require multiple hand and/or machine tools and the serger. They will use basic and advanced skills to create and design several sewing projects. Students will also consider ways to minimize waste and their impact on the environment. All supplies and materials are to be chosen and purchased by the student.

TEXTILES 11

Students build on their knowledge about fashion, textiles and sewing techniques to create the latest trends in clothing. Most projects are chosen by students based on their skill level and will focus on further developing their sewing techniques, using and modifying patterns and using different fabrics to make clothing items. Students will also learn about current fashion trends, elements of design, while considering ways to minimize waste and their impact on the environment. All supplies and materials are to be chosen and purchased by the student.

TEXTILES 12

This course further develops the knowledge and techniques learned in previous Textiles classes. Students will learn advanced sewing techniques and work with challenging fabrics. They will apply principals and elements of design, perform pattern adaptations, and construct several clothing items. Projects are chosen by students based on their skill level. Students will also learn about current fashion trends, elements of design, fashion marketing and advertising, while considering ways to minimize waste and their impact on the environment. All supplies and materials are to be chosen and purchased by the student.

FASHION INDUSTRY 12

This course has been developed to support and encourage students to explore the creativity and individuality of basic fashion design concepts. Students will gain skills and knowledge in the fashion industry, while sketching and designing clothing items. They will also apply their knowledge of the elements and principles of design to alter an existing garment or create an original garment. Students will have the opportunity to develop a portfolio that will explore concepts in trends, accessories, design, product development, and marketing. This course is designed to help prepare students who have a passion on want to pursue a career in Fashion Design.

INTERPERSONAL & FAMILY RELATIONSHIPS 11 - HUMAN ECOLOGY

Human Ecology Course A is open to grade 11 and 12 students only. The focus of this course is on the well-being of the individual, the family and the community. The student will focus on issues concerning the adolescent and develop a better understanding of one's self and his/her relationship with others. This course may also include a weekly program visiting Rosewood Manor. Students interested in working with people in careers such as nursing, teaching, child-care should find this course valuable.

This course will be offered in 2022-2023.

CHILD DEVELOPMENT & CAREGIVING 12 - HUMAN ECOLOGY

Child Development and Caregiving 12 is open to grade 11 and 12 students only. Students will develop skills and knowledge necessary for effective life management. Students will explore families in society, child development and parenting, and the management of resources. They will be encouraged to use processes of decision-making and problem solving. This course may also include a weekly program working with Blair Elementary. Students interested in human services professions or in issues associated with marriage and parenthood will find this course valuable.

This course will be offered in 2021-2022.

~LANGUAGES~

Students with prior knowledge of target language, and who have not studied the language formally before are required to meet with the respective teacher to discuss placement prior to entering the program for the first time.

~FRENCH~

CORE FRENCH 8

The aim of this course is to build on the vocabulary already learned in elementary school. The vocabulary, especially verbs and their conjugations, is the key to give students the ability and confidence to speak in conversation and to write in sentences. The language includes themes that students might use daily: time, weather, school life, likes and dislikes, sports, music, food, shopping and Canadian folklore. Completion of this course or its equivalent is a prerequisite to Core French 9.

CORE FRENCH 9

This course is a continuation of Core French 8. It enriches the vocabulary and builds upon grammar and language elements already learned. Verb conjugations are reinforced and tenses include more practice in the present, past and future. The thematic nature of the course again allows for speaking and writing about teen activities and interests. Completion of this course provides competence of the foundation skills needed for Core French 10.

CORE FRENCH 10

This course continues the development of vocabulary, grammar, language elements and performance acquisition of French 9. Language usage is successively expanded to include additional past and future tenses. Students performance and communication tasks are further expanded through thematic units. The intent of this course is to provide necessary language skills appropriate to French study at a higher level of conversational and writing ability than that of Core French 9. Completion of Core French 10 or its equivalent is prerequisite to Core French 11

CORE FRENCH 11

Prerequisite: CORE FR 10 or equivalent.

This course uses an integrated, multi-dimensional approach to second language learning that emphasizes communication. It continues developing the four main language skills: listening, speaking, reading and writing. Culture is also an integral component of the program.

CORE FRENCH 12

Prerequisite: CORE FR 11 or equivalent.

This course is a continuation of the work started at the Grade 11 level. Students will improve their written skills, while practising their communication skills. Students will also develop a deeper appreciation of the French language through the continued study of francophone culture and values.

~JAPANESE~

JAPANESE 9

This is an introductory course. Students will learn basic vocabulary and sentences. Some common particles will be introduced. The major focus will be on speaking and listening. Students will learn both Hiragana and Katakana syllabic alphabets. Japanese culture will also be introduced.

JAPANESE 10

This course is an extension of Japanese 9 where students will build upon and expand on what was learned in the first year course. In addition to expanding their knowledge of vocabulary, grammar and situational Japanese, students will be introduced to approximately 50 Kanji (Chinese characters). This course will place equal emphasis on speaking, listening, reading and writing.

INTRODUCTORY JAPANESE 11

Introductory Japanese 11 is an intensive course that combines Japanese 9 and Japanese 10. This course is recommended for students who have a keen interest in learning Japanese but have been unable to take Japanese 9 and Japanese 10. Students must be prepared to study Japanese intensively. Please refer to the course description for Japanese 9 and Japanese 10 regarding the curriculum.

Note: students are strongly advised to take Japanese 9 and Japanese 10 (rather than Introductory Japanese 11) whenever possible.

JAPANESE 11

Prerequisite: JA 10 or equivalent.

Students in this course will learn more abstract vocabulary and a wider range of longer and more complex sentences than in the earlier courses. Increasing emphasis will be placed on writing grammatical sentences and paragraphs for a variety of contexts. Students will also learn an additional 50 Kanji. Continuous speaking and listening practice will occur so that students will be able to carry on increasingly complex conversations.

JAPANESE 12

Prerequisite: JA 11 or equivalent.

Japanese 12 will enable students to carry on more complex conversations within their linguistic experiences and areas of interest. Emphasis will also be placed on improving students' writing and reading skills, including knowledge of Kanji. In addition, preparation for the provincial exam will provide an important component of this course.

~MANDARIN~

MANDARIN 9

This is an introductory course that enables students to develop a desire to learn about and an appreciation of the Chinese culture, especially the Chinese language. Students will be introduced to the pinyin romanization for pronouncing the spoken form for daily conversation, some basic structure of written Chinese and a core vocabulary of 200 simplified Chinese characters, drawn from the text. Students will be expected to write simple sentences in simplified Chinese characters and pinyin in the past, present and future tenses.

MANDARIN 10

Prerequisite: MAN 9

This course is a continuation of MAN 9. Students will be expected to develop the ability to understand spoken language and to participate in conversations within the range determined by their linguistic experiences and areas of interest. An additional 200 selected simplified Chinese characters will be taught to help students learn some basic grammatical structure of written Chinese. The cultural components of this course should enable students to develop an understanding of the values, customs and other elements of Chinese culture. Students will be expected to write paragraphs in simplified Chinese characters and pinyin.

INTRODUCTORY MANDARIN 11

This is an introductory course that enables students to develop an appreciation of the Chinese language and culture. Students should be in Grade 10 or higher before attempting to take this course. The pace is fast in order to enable the students to learn the pinyin romanization for pronunciation, the spoken form to carry on simple conversations in daily situations. The students will also learn a core vocabulary of 400 simplified Chinese characters, drawn from the text. The cultural component of this course will help students to develop an understanding of the present-day customs and traditions of Chinese speaking people both in China and outside of China. Students will be expected to write simple sentences in simplified Chinese characters and pinyin in the past, present and future tenses.

MANDARIN 11

Prerequisite: MAN 10/INTRO MAN 11

This course enables students to increase their ability to communicate effectively in Mandarin Chinese in order to take advantage of vocational and leisure opportunities. Students will be introduced to more complex dialogues, some grammatical patterns of oral and written Mandarin and an additional 300 simplified Chinese characters for reading and writing. They will be expected to write a simple essay consisting of these paragraphs in simplified Chinese characters and pinyin in the present and past tenses. The cultural component of this course will help students to develop an understanding of the values, customs and other elements of Chinese culture.

MANDARIN 12

Prerequisite: MAN 11

Mandarin 12 enhances students' ability to communicate, free from written and oral errors, within their linguistic experiences and areas of interest. Students will be expected to write an in-depth essay in simplified Chinese characters and pinyin in the past, present and future tenses. Idioms will also be introduced.

~SPANISH~

SPANISH 9

This course is an introduction to Spanish. Emphasis is on vocabulary building, sentence formation, listening abilities, reading and increasing students' confidence in speaking Spanish. In particular, present tense verbs are focused on. The course covers topics such as classroom items and vocabulary, foods and meals, leisure activities, and family and celebrations. The cultural component of this course will enable students to develop a greater understanding of the values, traditions and customs of the Hispanic world. Assessment will take many forms, including projects, journals, dictations, conversations, listening exercises and tests.

SPANISH 10

Prerequisite: SP 9

This course continues to build proficiency in four key areas: speaking ability, sentence formation, listening, and reading. The focus of this grade is on past-tense verbs, with continued reinforcement of the present tense. The course covers topics such as home and chores, shopping, vacations, the community and the media and technology. The examination of Spanish culture is continued with various topics including women in the Hispanic world. Assessment will take many forms, including projects, journals, dictations, conversations, listening exercises and tests.

INTRODUCTORY SPANISH 11

This course is for students in grades 10, 11, and 12 with no previous Spanish course work. This is an accelerated introductory program that covers the Spanish 9 and 10 curriculum in one course. Upon completion students, if they choose, will have the basics necessary to continue with grade 11 Spanish.

SPANISH 11

Prerequisite: SP 10 or INTRO SP 11

The aim of Spanish 11 is to have students further develop their language skills in each of the four areas: speaking, listening, writing and reading. In addition to the text, supplementary materials such as videos, articles, and audio podcasts are used. Range of topics and themes will be covered including student life, daily routines, running errands in the city, describing childhood and emergencies. Various cultural topics are examined. Assessment will take many forms, including projects, journals, dictations, conversations, listening exercises and tests.

SPANISH 12

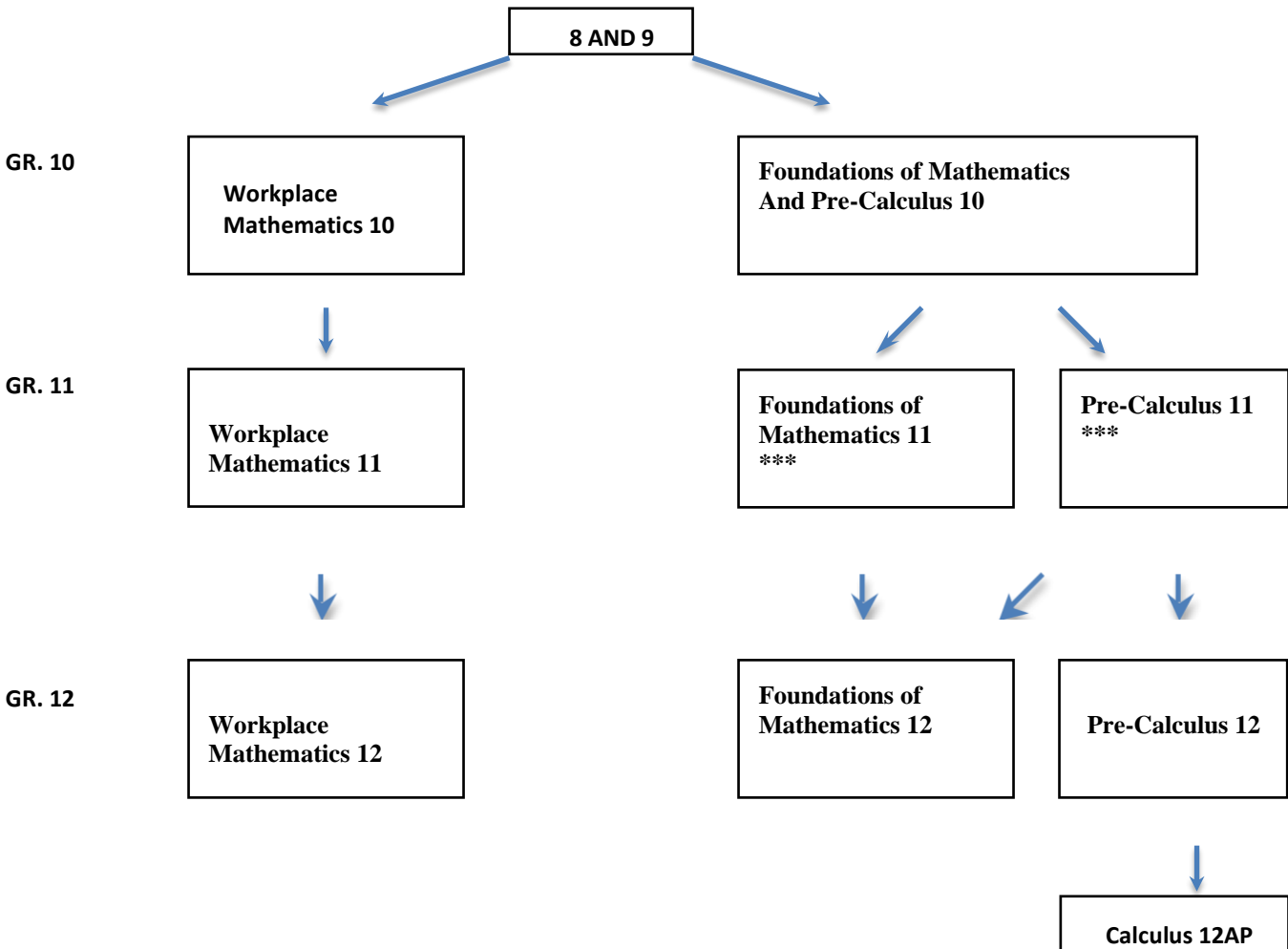
Prerequisite: SP 11

This is an advanced course in the study of Spanish language and culture. Students will continue to extend their vocabulary, grammar and writing, listening and spoken skills. It is recommended that students have a minimum 67% grade in Spanish 11, due to this course's advance and accelerated nature. Topics covered will include TV, movies and sporting events in the media, cooking and camping, travel and tourist activities such as booking holidays and hotels, the environment and global issues. Various cultural topics are examined. Assessment will take many forms, including projects, journals, dictations, conversations, listening exercises and tests.

~MATHEMATICS~

MATHEMATICS FLOW CHART

PATHWAY AND TOPICS



*** Students may take more than one pathway if there are mathematical topics which interest them or they are not sure about future career choices.

What are the Pathways?

Workplace Mathematics

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary studies with a focus on the majority of trades and for direct entry into the work force. Topics include algebra, finance, geometry, measurement, number, statistics and probability.

Foundations of Mathematics

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. Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and function, statistics and probability.

Pre-Calculus

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 include algebra and numbers, measurement, relations and functions, trigonometry, and permutations, combinations and binomial theorem.

GOALS OF PATHWAY: When choosing a pathway, students could consider their interests, both current and future. Students, parents and educators are encouraged to research the admission requirement for post-secondary programs of study as they vary by institution and by year.

Design of Pathways

Each Pathway is designed to provide students with the mathematical understandings, rigor and critical-thinking skills that have been identified for specific post-secondary programs of study.

COURSES:

MATHEMATICS 8

The purpose of Math 8 is to expose students to many new aspects of the subject while reviewing and improving their arithmetic skills with respect to whole numbers, decimals, fractions, percentages and related word problems. New and challenging work will be offered in the areas of problem solving, integers and geometry.

MATHEMATICS 8/9 ACCELERATED

This accelerated course is designed for students with exceptional abilities in core elementary math topics, problem solving, and a strong interest and work ethic in mathematics. This course covers the Math 8 and Math 9 curricula in one year. It will focus on the same math skills and processes as the regular Math 8 and Math 9 courses. Students wishing to be selected for this course must have a confidential course recommendation from their grade 7 teacher and write the screening assessment test on core math skills and problem solving. Students will be chosen on the basis of their performance on the screening assessment test as well as their teacher's recommendation. Students who are successful in this course will obtain credit for Math 8 and Math 9 and proceed to one of the Math 10 courses the following year.

Test date: March 5 @3:15 pm in the Math wing

MATHEMATICS 9

Prerequisite: MA 8

This course includes an introduction to basic algebra operations, factoring variable expressions, solving open sentences and related word problems as well as a review of basic arithmetic operations the order of operations, probability, statistics and geometry. This course extends some of the topics started the previous year such as rational numbers, two-variable linear relations, and solving linear equations and related word problems. New curricular content includes exponents, polynomials, factoring variable expressions, proportional reasoning involving scale diagrams, statistics in society and basic finance skills.

MATHEMATICS 9 ADAPTED

A student wishing to be selected for, or requesting, this course must satisfy a number of curricular requirements, and be recommended by their Mathematics 8 teacher. The course is intended for students who found Mathematics 8 extremely difficult. *Mathematics 9 Adapted* course is designed to provide a supportive bridge between *Mathematics 9* and *Mathematics 10 Workplace*. Emphasis will be placed on improving students' essential math skills along with addressing foundational curricular content in preparation for *Mathematics Workplace 10*. This course satisfies provincial graduation requirements and allows students entry into post-secondary. Topics include place value, fractions, percents, geometry, and algebra.

MATHEMATICS 9 INCENTIVE

Prerequisite: MA 8

A student wishing to be selected for this course must demonstrate exceptional ability in Math and be recommended by his/her previous Math teacher. This course is designed for students with outstanding mathematical ability who enjoy the challenge of solving more difficult types of problems. While the topics covered in this course are generally the same as those in the standard Math 9 course, every effort will be made to provide the students with opportunities to improve their higher order thinking skills.

FOUNDATIONS & PRE-CALCULUS MATHEMATICS 10

Prerequisite: MA 8/9 Accelerated or MA 9 (minimal C standing)

This course is designed for students who are planning to carry on in either the Foundations pathway or the Pre-Calculus pathway in Grade 11. This is a challenging course that builds on the topics covered in Math 9, while also introducing new topics in algebra, measurement, and functions. This course will provide the students with mathematical and problem-solving skills necessary to carry on in either Foundations or the Pre-Calculus pathway.

PRE-CALCULUS MATHEMATICS 10 INCENTIVE

Prerequisite: MA 8/9 Accelerated or MA 9 with teacher recommendation

A student wishing to be selected for this course must have excellent work habits. This course is designed for students demonstrating exceptional ability in Math and planning to carry on in the Pre-Calculus Math stream. This course will provide students with the opportunity to study Math 10 curriculum topics in greater depth with a major emphasis on problem solving. Topics outside the Math 10 curriculum will also be introduced to further prepare the student to follow the Pre-Calculus stream into post-secondary

WORKPLACE MATHEMATICS 10

Prerequisite Math 9 or Math 9 Adapted

This course is designed for students who have had difficulty in Math 9 and are planning to go into the trades or directly into the work force and will therefore take Apprenticeship and Workplace Math 11 upon successful completion of this course. While there is a wide range of topics covered in this course such as measurement, geometry, money, and problem solving, they will be of a practical nature.

PRE-CALCULUS 11

Recommended: B or higher in Foundations & Pre-Calculus Math 10

This course is designed for students who are planning to continue their education at a post-secondary institution requiring the study of theoretical calculus. This course will contain topics such as algebra, relations and functions, series and sequences, and trigonometry. Students may take this course along with Foundation of Mathematics 11 for a well-rounded math education preparing them for Foundations of Mathematics 12 or Pre-Calculus 12.

PRE-CALCULUS 11 INCENTIVE

Prerequisite: Foundations & Pre-Calculus Math 10 or Foundations & Pre-Calculus Incentive 10

Students wishing to be selected for this course must demonstrate exceptional ability in Math and be recommended by his/her previous Math teacher. The enriched format of this course is designed to provide highly motivated students with more challenging material. Pre-Calculus 11 course work will be covered in a shorter period of time. In addition, students will be introduced to material from the Pre-Calculus 12 course in preparation for the Pre-Calculus 12 Incentive Course.

FOUNDATIONS OF MATHEMATICS 11

Prerequisite: Foundations & Pre-Calculus 10

This course is designed to provide mathematical understanding and critical-thinking skills identified for post-secondary programs that do not require the study of theoretical calculus. This course will contain topics such as proportional reasoning, systems of linear inequalities, quadratics, statistics, geometry and logic. Foundation of Mathematics 11 is a complementary course to Pre-Calculus 11.

WORKPLACE MATHEMATICS 11

Prerequisite: Foundations & Pre-Calculus 10 or Workplace Math 10

This course is designed for students who have passed Apprentice and Workplace Math 10. Students taking this course are planning to go into the trades or directly into the work force. A wide range of topics will be covered in this course such as measurement, geometry, statistics, algebra, and problem solving with a practical nature.

PRE-CALCULUS 12

Recommended: C+ or higher in Pre-Calculus 11

This course is designed for those students planning to attend post-secondary university or college in the faculties of Sciences, Engineering, or Commerce. A high mark in this course is essential for those students wanting to enrol in Calculus.

FOUNDATIONS OF MATHEMATICS 12

Prerequisite: C+ or higher in Foundations of Mathematics 11

This course is designed for students who have completed Foundations of Mathematics 11 and would like to improve their math skills before entering college. Topics include investing and borrowing money, set theory and logic, counting methods, and relations and functions.

CALCULUS 12 ADVANCED PLACEMENT

Recommended: C+ or higher in Pre-Calculus 12

This course is designed for those students who have successfully completed Pre-Calculus 12 at Burnett or with teacher recommendation, and are intending to study Calculus at the college or university level. All students intending to take mathematics, science, engineering or commerce at the university level should consider this course. Topics include: differential calculus, the slope of a curve, integral calculus, and the area under a curve. Advanced credit may be obtained by taking the Advanced Placement exam OR the Universities of BC Challenge exam. If you are taking Pre-Calculus 12 concurrently with this course, you must have a teacher recommendation to take this course. Please see your math teacher for more details.

CALCULUS 12 ADVANCED PLACEMENT FIRST SEMESTER

Recommended: C+ or higher in Pre-Calculus 12

This course is designed for those students who have successfully completed Pre-Calculus 12 at Burnett. If you have taken the Pre-Calculus 12 course elsewhere, you must have a Burnett Math teacher's recommendation to take this course first semester.

~MUSIC~

INSTRUMENTAL MUSIC 8: BEGINNERS' CONCERT BAND

INSTRUMENTAL MUSIC 9: BEGINNERS' CONCERT BAND

INSTRUMENTAL MUSIC 10: BEGINNERS' CONCERT BAND

INSTRUMENTAL MUSIC 11: BEGINNERS' CONCERT BAND

INSTRUMENTAL MUSIC 12: BEGINNERS' CONCERT BAND

No previous band experience is necessary. Also, no decision as to the type of instrument is needed at this time. It is a fun course for all. This course is for students who are new to concert band, or who have been away from the program for some time and wish to return. This course is also appropriate for students who wish to try a completely new instrument and need to start their learning at the very beginning. Upon completion of this course, students will usually be able to enroll in Junior concert band.

INSTRUMENTAL MUSIC: INTERMEDIATE CONCERT BAND (usually grade 9s and 10s)

To participate in Intermediate Band, completion of Beginner's Concert Band or elementary school band or permission of the music teacher is required.

This program further extends students' playing and listening skills in a wide variety of musical genres. Both large and small ensemble playing are part of the program. Students are encouraged to consider doubling (learning a second instrument in the same instrument family) for the benefit of a full sounding ensemble. Students usually provide their own instruments. Some students with musical skills who wish to learn a second instrument may have the instrument provided by the school. Home practice and attendance at rehearsals and performances are essential to success in the course.

Intermediate Concert Band is a linear course that is run off time-table with the schedule determined by the enrolled students and the teacher.

INSTRUMENTAL MUSIC: SENIOR CONCERT BAND (usually grade 11 and 12)

Entry into senior band is either by successfully participating in Intermediate Concert Band or by teacher permission (some grade 10's may be permitted entry into Senior Concert Band).

This music course builds on the Intermediate band program. Students are expected to have had previous experience on their band instruments and will be expected to develop an advanced level of competence. Home practice and attendance at rehearsals and performances are essential to success in the course.

Senior Concert Band is a linear course that is run off time-table with the schedule determined by the enrolled students and the teacher.

INSTRUMENTAL MUSIC: JUNIOR JAZZ BAND

Students must have successfully completed Junior Band or have teacher permission; usually grade 9 and 10)

This is a jazz studies course. Students should have reasonable skills on one of the following instruments: saxophone, trumpet, trombone, piano, guitar, bass or drums. Other instruments may be included upon discussion with the teacher. Students will be introduced to the jazz idiom and will be expected to learn to read advanced rhythms and techniques in a number of styles. **Students are expected to be enrolled concurrently in a level of Concert Band.** This course may run off timetable.

INSTRUMENTAL MUSIC 11: JAZZ BAND

INSTRUMENTAL MUSIC 12: JAZZ BAND

Prerequisite: Junior Jazz Band or Intermediate Concert Band or equivalent.

This is a jazz band course open to Grade 11 and 12 students (and grade 10's by invitation) who are able to perform at an advanced level on one of the following instruments: saxophone, trumpet, trombone, piano, guitar, bass or drums. Other instruments may be included upon discussion with the teacher. Many selections in the areas of rock, Latin, jazz, ballads and blues are read and selected to be performed. Students will be expected to improve improvisational abilities, listen to recordings and attend concerts. Reading of challenging musical material enables the student to progress quickly. Home practice and attendance at rehearsals and performances are required. **Students are expected to be enrolled concurrently in a level of Concert Band.** This course may run off timetable.

CHORAL MUSIC 8: MIXED VOICE VOCAL ENSEMBLE

CHORAL MUSIC 9: MIXED VOICE VOCAL ENSEMBLE

CHORAL MUSIC 10: MIXED VOICE VOCAL ENSEMBLE

CHORAL MUSIC 11: MIXED VOICE VOCAL ENSEMBLE

CHORAL MUSIC 12: MIXED VOICE VOCAL ENSEMBLE

Previous music training is not essential, as skills including singing, breath control and note reading will be developed and reviewed. Students of all ability levels will be together in one class. Many styles of music will be sung, including popular, classical/folk, rock, Broadway and jazz. There is an emphasis on singing in small groups, as well as singing within the large ensemble. Students are expected to attend all rehearsals and concerts. Additionally, students with instrumental skills (piano, guitar, and sometimes other band instruments) will be called upon to share their skills by accompanying the singers at different times during the course.

INSTRUMENTAL MUSIC 8- 12: GUITAR

This introductory guitar course is for students with little or no experience on guitar. Course content includes guitar structure, tuning the guitar, basic chords, note reading, tablature reading and strumming techniques. *Upon successful completion of the basic guitar book learned during class instruction*, the student may pursue a desired style such as jazz, folk, blues, rock or classical. Students progress at their own rate on their self-selected independent studies and will be encouraged to develop self-discipline and self-motivation in class. Students will regularly perform for each other within the class and may be invited to perform in concerts. Students are strongly encouraged to provide their own guitar (very few are available from the school).

~PHYSICAL EDUCATION~

PHYSICAL AND HEALTH EDUCATION 8

PHYSICAL AND HEALTH EDUCATION 9

PHYSICAL AND HEALTH EDUCATION 10

The physical education program will review and refine the basic movement skills developed through the elementary physical education program. The core competencies of communication, thinking and personal and social responsibility are the guiding principles for the course design. Students will be exposed to a broad and diversified array of physical activities. The emphasis on the development of recreationally oriented activities and lifetime sports increases from Grade 8 to 12. The course content is divided into four major activity categories that were selected to provide a balance between the more traditional approach to physical education and the emerging emphasis on leisure-oriented physical activities. These four activity categories are: games, individual and dual activities, dance and alternative environment activities. The aim of the Burnett Physical Education program is to provide students with the awareness, knowledge, understanding, attitudes, abilities and skills required to consciously maintain physical health throughout life. All students will also participate in daily and weekly fitness assessments. Strategies for maintaining healthy relationships, decision making, and mental and emotional health are taught.

PE 10 INCENTIVE

This leadership course is designed for students with a special interest in the areas of sport, outdoor activities and recreation. The course has been designed to incorporate a wider variety of sport skills as well as a higher level of leadership and participation than that expected in the regular P.E. program. Students must apply for this course, and candidates will be selected based on their PE performance in Grade 9, leadership skills, attitude and behaviours. This course is enriched with optional field trips that have associated costs. The field trip costs in 2019-2020 were \$65.

POWERFIT 10 - FITNESS AND CONDITIONING

POWERFIT 11 - FITNESS AND CONDITIONING

POWERFIT 12 - FITNESS AND CONDITIONING

No prerequisite for this course.

This fitness-based course focuses on achieving personal fitness goals in a fun and comfortable atmosphere. Individuals will develop the knowledge and the skills necessary to be their own personal trainer. The program emphasizes cardio activities and weight training. The program may involve student-directed learning requiring students to apply their previous learned knowledge and skills while creating their own personal fitness program. This course is enriched with optional field trips/guest instructors that have associated costs. Students will enrol in their grade appropriate course. The field trip costs in 2019-2020 were \$40.

GIRLFIT 10 – FITNESS AND CONDITIONING

GIRLFIT 11– FITNESS AND CONDITIONING

GIRLFIT 12 – FITNESS AND CONDITIONING

No prerequisite for this course

This fitness-based course will cater exclusively to helping girls achieve individual fitness goals in a fun, comfortable environment. Specific training designed for girls will provide the knowledge, skills and attitudes which can lead to a healthy lifestyle both at school and after graduation. Fitness activities will include yoga, boot camps, aerobics, pilates, circuit training and walk-run programs. The program may emphasize student-directed learning requiring students to apply their previous learned knowledge and skills while creating their own personal fitness program. Girls learn to design female-specific fitness and nutrition plans that will be followed during class. This course is enriched with optional field trips/guest instructors that have associated costs. The field trip costs in 2019-2020 were \$45.

ACTIVE LIVING 11

Prerequisite: PE 10/ PE 10 INC.

Active Living 11, formerly named Community Recreation 11, is designed to enrich the development of PE 8-10. This course will emphasize participation to encourage a life-long commitment to daily physical activity. Activities will come from categories such as: games, individual and dual activities, fitness and outdoor activities. A strong emphasis will be placed on participation and effort. Students will have opportunities to enrich the course through optional field trips that have associated costs. The field trip costs in 2019-2020 were \$150.

ACTIVE LIVING 12

Active Living 12, formerly named Community Recreation 12, is an extension of the principles developed in Active Living 11. Activities will be chosen from: individual and dual sports, minor games, outdoor activities and fitness. This course is enriched with optional field trips that have associated costs. The field trip costs in 2019-2020 were \$150.

~SCIENCE~

SCIENCE 8

The emphasis in Science 8 is on the development of students' scientific skills, processes, knowledge, thinking abilities and a positive attitude towards the various fields in science. Students learn science through a variety of activities and in many instances, through examining science as it applies to everyday life. Topics covered include: science skills and processes, life science (cells and immune system), physical science (atomic theory and properties of light), and earth and space science (geology).

SCIENCE 9

Prerequisite: SC 8. The emphasis in Science 9 is on the development of students' scientific attitudes, skills, processes, knowledge and thinking abilities and a positive attitude towards the various fields in science. Students learn science through a variety of activities and in many instances, through examining science as it applies to everyday life. Topics covered include: processes and skills of science, life science (reproduction), physical science (atoms), elements, compounds, and characteristics of electricity), earth and space science (cycles of matter).

SCIENCE 9 INCENTIVE

Prerequisite: SC 8 or SC 8 IN, and selection process. Enrolment in Incentive Science is limited and candidates must demonstrate a willingness and an ability to meet the rigours of the course before being accepted. This course is offered to those students who do well in science (A or B letter grade in previous courses) and who wish enrichment and challenge in their course material. The topics covered are the same as in the Science 9 curriculum and intended to elicit higher level skills. Students should be prepared to spend extra time outside of classroom hours working on Science enrichment projects and activities.

SCIENCE 10

Prerequisite: SC 9. The emphasis in Science 10 is on the continued development of students' scientific skills, processes, knowledge, thinking abilities and a positive attitude towards the various fields in science. Students learn science through a variety of activities and, in many instances, through examining science as it applied to everyday life. Topics covered include: science skills and processes, life science (genetics), physical science (chemical reactions and energy transformation) and earth and space science (formation of the universe).

SCIENCE 10 INCENTIVE

Prerequisite: SC 9 or SC 9 IN, and selection process. Enrolment in Incentive Science is limited and candidates must demonstrate a willingness and an ability to meet the rigours of the course before being accepted. This course is offered to those students who do well in science (A or B letter grade in previous courses) and who wish enrichment and challenge in their course material. The topics covered are the same as in the Science 10 curriculum and intended to elicit higher level skills. Student should be prepared to spend extra time outside of classroom hours working on Science enrichment projects and activities.

SCIENCE FOR CITIZENS 11

Prerequisite: SC 10 (SCT 10)

Science for Citizens is a Science course that requires less mathematical preparation than many of the other science courses, but nevertheless requires a strong commitment from the student. The three big ideas are:

1. Science informs our decisions and impacts our daily lives.
2. Science has everyday uses and safety implications in the workplace
3. Science helps explain how natural changes and human choices affect global systems.

N.B. This course, upon successful completion, fulfils the science requirement for secondary school graduation; however, it does not qualify as a science Prerequisite for many university programs. Students who wish to take this course should ensure that they will meet the requirements of any post-secondary programs they are considering.

LIFE SCIENCE 11 (Previously BIOLOGY 11)

Prerequisite: Science 10 (C+ recommended)

Life Science 11 is an introductory course in biology designed to give students an appreciation for the diversity and interconnectedness of the living world. The three big ideas are:

1. Characteristics of Living Things – All living things have common characteristics.
2. Process of Evolution – Living things evolve over time.
3. Taxonomy – Organisms are grouped on the basis of identifiable similarities. We will examine the characteristics of the six kingdoms of life (Archaea, Bacteria, Protista, Plantae, Fungi and Animalia.)

We will do various hands-on experiments and activities to develop and practice new skills and techniques. Students may choose alternatives to dissection labs.

ANATOMY AND PHYSIOLOGY (Previously BIOLOGY 12)

Prerequisite: Life Sciences 11 (C+ recommended) or Chemistry 11 (C+ recommended) or Physics 11 (C+ recommended).

Anatomy and Physiology 12 is an academic course for students who are planning to continue their education in a post-secondary institution. The course is demanding, and requires a strong background in biology and chemistry. The three big ideas are:

1. Homeostasis – The body strives to maintain homeostasis.
2. DNA and Cells – All living things are made of cells, which contain DNA and cell structures that allow cells to survive and reproduce. We will examine the cell, how things enter and exit the cell, DNA and how DNA helps control protein synthesis.
3. Organization – Organ systems have complex interrelationships to maintain homeostasis. We will examine the anatomy and physiology of the digestive, nervous, circulatory, respiratory, excretory and reproductive body systems.

We will do various hands-on experiments and activities to develop and practice new skills and techniques. Students may choose alternatives to dissection labs.

CHEMISTRY 11

Prerequisite: SC 10 (C+ recommended) and Foundations and Pre-Calculus of Math 10 (C+ recommended). A scientific calculator is required.

Chemistry is the science that deals with the properties and reactions of matter. Chemistry 11 emphasizes laboratory experimentation and the analysis of data to verify scientific principles introduced in class. Skills you will need: You must be able to balance chemical reactions and write formulas for ionic and covalent compounds. Core topics: organic chemistry, atomic structure, periodic trends, covalent bonding and forces of attraction, chemical reactions, moles, stoichiometry and solutions.

CHEMISTRY 12

Prerequisite: CH 11 (C+ is recommended) and MA 11 (C+ is Recommended).

Chemistry 12 requires a thorough understanding of the concepts of Chemistry 11 to investigate the different aspects of chemical reactions. Core topics covered include the rates of chemical reactions; the equilibrium involved with chemical reactions; acid-base reactions; oxidation-reduction chemistry; and solubility of ionic substances. Laboratory work will include qualitative and quantitative analysis to supplement the concepts introduced in lecture presentations.

CHEMISTRY 12 ADVANCED PLACEMENT

Admission to APCHEM 12 will be by teacher permission. Chemistry 12 and Math 12 should be taken concurrently with CH 12 AP. Chemistry 12 Advanced Placement is an academic course for highly motivated students who are planning to continue their education in Science/Pre-Med and Engineering Programs at a post-secondary institute. The Advanced Placement Chemistry 12 course is designed to be the equivalent of a university/college introductory Chemistry course usually taken by Science majors during their first year. Successful completion of this course will prepare students to write The College Board Advanced Placement examination in Chemistry if they choose, students may earn first semester university credits upon successful completion of exam. Note: Students may choose **not** to write the AP Exam.

PHYSICS 11

Prerequisite: Science 10

This course the equivalent to an introductory algebra and trigonometry-based physics course and allows students to develop an understanding of the nature and scope of the physical world through inquiry and problem-solving. The major topics covered include: classical Newtonian mechanics, energy and momentum, waves and optics, nuclear physics and special relativity. Laboratory work will include qualitative and quantitative analysis to supplement concepts introduced in lectures. Together with other senior science courses, the main goal of Physics 11 is to generate interest in sciences as well as provide the necessary background needed for future studies.

PHYSICS 12

Prerequisite: Physics 11

This algebra and trigonometry-based physics course is an extension of Physics 11, taking the topics to greater depth and more detailed study of physics concepts and ideas. Through inquiry-based laboratory work and discussions, students will develop analytical, experimental and problem-solving skills and techniques. The major concepts of this course include: classical Newtonian mechanics, circular motion, gravitation, momentum, energy, electrostatics, electric circuits and electromagnetism. This course will enable students to gain an appreciation for sciences to provide the necessary background knowledge and competence required to continue on to post-secondary studies.

AP PHYSICS 1

Prerequisite: Physics 11

The course is the equivalent to a **first-semester** university/college course in algebra and trigonometry-based physics that will give students a distinct advantage in post-secondary Science, Pre-medical and Engineering programs. It is a dual credit course with four credits for Physics 12, four credits for AP Physics 1 and possible university credits for 100-level Physics. This advanced placement course enables students to develop deep understanding of the content and focus on applying their knowledge through inquiry-based laboratory work and discussions. The following topics are covered: Newtonian mechanics, momentum, energy, waves, electrostatics, electric circuits and electromagnetism. The course covers Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; introduction to electrical circuits. The course is aligned with the College Board guidelines for AP Physics 1 with inclusion of the content of Physics 12 specified by British Columbia Ministry of Education. In order to receive dual credits, students must attend additional tutorial sessions outside of the timetable. After successful completion of the course, in addition to 8 (eight) grade 12 credits, students will receive two marks: Physics 12 and AP Physics 1 course. Students may earn university credits for first year Physics course. For information, check with the post-secondary institutions, the AP website, school counsellors or carrier advisor. Note: Students are **not** required to write AP Physics 1 exam.

AP PHYSICS 2

Prerequisite: Physics 12 or AP Physics 1

This course is the equivalent to a second-semester university course in algebra and trigonometry-based physics that will give students a district advantage in post-secondary Science, Pre-medical and Engineering programs. This advanced placement course enables students to develop critical thinking skills and to focus on applying their knowledge through inquiry-based learning. The laboratory portion of the course includes experiments designed to supplement the theory covered in class. The following topics are covered: fluid mechanics, thermodynamics, electrodynamics, electromagnetism, optics, quantum, atomic and nuclear physics. This course gives students four credits for AP Physics 2, possible university credits for 100-level Physics or entry to second year university courses. Students are encouraged to check with post-secondary institutions, the AP website, school counsellors or carrier advisor for more information. Note: Students may choose **not** to write the AP Exam.

~SOCIAL STUDIES~

SOCIAL STUDIES 8 is offered as a double block with English 8. For a description of this course, please refer to "Humanities 8" in the English section.

SOCIAL STUDIES 9

Social Studies 9 is concerned with the study of 19th century Canadian history to the turn of the century. Students will study the history of how revolutions in Europe and North America have influenced political and economic development in Canada. The development of democratic concepts and the impact of industrialization on society will also be examined in the context of 18th and 19th century Europe. The history section of the course examines political changes leading to Confederation and explores the development of the Canadian West to 1914. Canada's economic activities and our relationships with the United States and the Pacific Rim will be examined in the second part of the course. British Columbia's major industries will also be studied

SOCIAL STUDIES 9 INCENTIVE

The course will involve teaching and learning styles which enhance a student's abilities to read extensively, think critically, speak and write fluently, use research resources effectively and work independently. Course work will adhere to the curriculum but the program will be enriched for the students selected to the incentive class.

SOCIAL STUDIES 10

Social Studies 10 is concerned with the study of 20th century Canadian history, economy and governance. In the history section, students will study Canada in the 20th century, covering such topics as World War I, the Depression, and World War II. In addition, students will learn about the Canadian Federal, Provincial and Municipal governments, First Peoples governance and different political ideologies.

SOCIAL STUDIES 10 INCENTIVE

The course will involve teaching and learning styles which enhance a student's abilities to read extensively, think critically, speak and write fluently, use research resources effectively and work independently. Course work will adhere to the curriculum but the program will be enriched for the students selected to the incentive class.

GEOGRAPHY: PHYSICAL

Physical Geography focuses on the impact of natural processes on landscape and human settlement, addresses issues surrounding environmental sustainability and explores the connection between nations and the global environment. These big themes will be explored through learning about tectonics, earth's history, earthquakes, volcanoes, continental drift, and forces of denudation. It is also an investigative study of climates, landforms, vegetation and their effects on humans. The course uses geographic inquiry processes and geographic literacy skills to ask questions; gather, interpret and analyze data and ideas from a variety of sources. This course can be taken in either grade 11 or 12.

TWENTIETH CENTURY WORLD HISTORY 12

The aim of Twentieth Century World History examines the major historical events of the twentieth century. The course gives students a range of experiences and opportunities to develop skills needed for further study in history and related disciplines. Twentieth Century World History requires students to conduct historical inquiries, think through cause-effect relationships and reach sound historical interpretations. Themes such as social change, technological progress and the spread of mass ideology will be used to develop a historical perspective on the century. As there is a considerable reading load in this course and as students are frequently expected to participate orally, fluency in English is essential. This course can be taken in either grade 11 or 12.

SOCIAL JUSTICE 12

The aim of Social Justice 12 is to raise students' awareness of social injustice, to enable them to analyse situations from a social justice perspective, and to provide them with knowledge, skills, and ethical framework to advocate for a socially just world. This course can be taken in either grade 11 or 12.

Topics addressed will include:

- social injustice based on specific characteristics (e.g. age, ethnicity, religion, sex, sexual orientation)
- the causes and consequences of social injustice
- the provisions of human right legislation
- role of government and public policy in promoting or failing to promote social justice
- social justice related to globalization
- role models (individuals who fought for justice).

LAW STUDIES 12

This course is designed to give the student an understanding of how law affects daily life. The course would be of interest to not only the student thinking of a career in the field of Law, but also for the student wanting general knowledge of what their rights and obligations are within Canada (eg. under what circumstances one can sue another). Some of the topics covered include Canada's legal system, criminal law, family law and tort law. The course will also explore legislation concerning First Peoples. This course may include visits to the criminal courts in downtown Vancouver, mock trials guest speakers such as judges, lawyers, police officers, parolees and parole officers. This course can be taken in either grade 11 or 12.

~ SPECIALTY PROGRAMS ~

LEADERSHIP 11

LEADERSHIP 12

This is a locally developed course intended to assist students in developing leadership skills and strategies, and will include a variety of related topics. Students will have opportunities to test skills learned in the classroom in some "real life" situations. The course will be based on a great deal of classroom interaction and a cooperative learning environment. Students will also develop some topics and projects of interest to them. This course may be open to Grades 9 and 10 students by teacher permission.

NOTE: This course will be offered as a course in the regular timetable, or as a linear course (September - June) through Richmond Virtual School (on-line). Students who are taking it on-line will be required to meet once or twice a week either early morning or after school.

PSYCHOLOGY 12

This course provides students with the opportunity to learn about consciousness, perception, emotions, metaphysics, psychological disorders, psychotherapy, career counselling, personality, intelligence, stress and wellness, social psychology, interpersonal relationships, love and attraction. Students will become ambassadors of good mental health at Burnett and conduct social experiments of their choosing. They will also participate in student directed inquiry-based learning.

HEALTH SCIENCE 11/12

Health Science 11/12 is an exciting and innovative course for students interested in medicine, nursing, dentistry, health and wellness, or sports related occupations such as physiotherapy. The main components of Health Science 11/12 include Human Anatomy and Physiology, Injury Prevention and Rehabilitation, Nutrition, Exercise Management, Contemporary Issues in Health, and First Aid and C.P.R. This course will include lots of practical experiences, as well as many guest speakers.

This course may be taken by grades 11 and 12 students.

N.B. This is a locally developed elective course and does not fulfil the science requirement for secondary school graduation.

PEER TUTORING 11

PEER TUTORING 12

This course will appeal to students with an interest in and an aptitude for a particular subject area, combined with an interest in helping others. Students will be placed in a classroom according to their specific interests, in conjunction with the needs of teachers. In addition to practical classroom experience in a tutoring role, students will be required to complete some reflective assignments regarding classroom life, the learning process, and communicating with others. Peer Tutors will meet as a group on a bi-weekly basis with the program sponsor as the course progresses.

NOTE: The course will be offered as a Richmond Virtual School course (on-line). Students will be required to meet once or twice a week, either early morning or after school. Enrolment is limited.

RECREATIONAL LEADERSHIP 10, 11 & 12

Prerequisite: Teacher Permission

This course is designed to provide students with an opportunity to enhance their leadership and organizational skills while working within the school/community. Students will explore leadership skills and strategies in a collaborative setting where they will be given practical opportunities to explore, develop, apply and enhance these skills. Students will be eligible to gain certification in one or more areas of coaching, officiating and athletic training which will prepare them to potentially assume roles as sport coaches, sport officials and athletic trainers for school/community teams and/or events. As well, students will be encouraged to participate in and act as one or more of the following: tournaments coordinators, intramural coordinators, sport official coordinators and/or team managers.

Students interested in enrolling in this course will be required to complete 110 hours of the Recreational Leadership course activities within and outside the school timetable. As well, they will be encouraged to be self-directed, self-motivated and show personal responsibility in all of their actions.

NOTE: The linear course will be offered outside the timetable (Meetings will occur every second day at lunchtime or afterschool).

WORK EXPERIENCE

Students may choose a work experience placement from a wide variety of occupational fields based on their career goals. To receive course credit, students must complete at least 90 hours of on-the-job work experience. Students must also be under the supervision of a teacher in addition to an employer who has agreed to work with the school in providing a realistic work experience. WEX 12A includes the required workplace safety training a student must complete prior to the actual work experience placement.

Work Experience hours also enable students to fulfil Graduation requirements for 30 hours of work or volunteer experience.

~TECHNOLOGY EDUCATION~

TECHNOLOGY EDUCATION 8

This is a compulsory Grade 8 course. Students will cycle through the wood, metal, electronics and computer/CADD rooms to increase student's hands-on motor skills with fun projects, introduce them to problem solving and assist students in choosing future technology education courses.

~WOODWORK~

WOODWORK 9 (ADST 9)

This is the introductory course to woodworking that will build on the skills and knowledge gained in Technology Education 8 (ADST 8). This course will move from hand tools to power tools.

WOODWORKING 10 LEVEL 1

Open to students in Grades 10 to 11

The primary focus of this course is the development of safe hand tools and machine use. Throughout the course, students will work on a series of projects beginning with hand tool operations and progressing to machine operations to complete various household projects.

WOODWORKING 11 LEVEL 2

Open to students in Grades 10 to 12

Prerequisite: ADST 9 or WW 10 Level 1

Course content will focus on individual problem-solving procedures to complete a series of projects that will build on the skill from previous courses including Drafting/Art/Math.

WOODWORKING 12 LEVEL 3

Open to students in Grades 11 to 12

Prerequisite: WW11 Level 2

This is an advanced course in woodwork where students will work on individually directed projects. Project choices range for cabinetry and/or advanced lathe work.

FURNITURE AND CABINETS 12

Prerequisite: WW 11 or WW 12

This advanced course will combine all the skills from the other woodworking courses and will focus on furniture and cabinetry design and construction. You will be able to furnish your home with things to sit on and put stuff into.

~METALWORK~

METALWORK 9 (ADST 9)

This is the introductory course to metalwork that will build on the skills and knowledge gained in Technology Education 8 (ADST 8). This course will move from hand tools to power tools.

METALWORK 10 LEVEL 1

Open to students in Grades 10 to 12

The primary goal is to introduce students to metal working techniques by introducing hand tools and machine tools. Half the term will be traditional metal work projects, the other half term will be Jewellery Art Metal projects. Topics include safety, gas welding, arc welding, metal lathe, and foundry work. There may be a material cost for jewellery projects..

METALWORK 11 LEVEL 2

Open to students in Grades 11 to 12

Prerequisite: MTL Level 1

This course is designed for those students in Grade 10 - 12 who have passed Metalwork Level 1 course and wish to continue in this area of study. Areas of study include lathe work, welding, advanced jewellery casting. Part of the course is spent on self-directed study according to the student's interest. The result will be a student designed project. There may be a material cost for jewellery projects..

METALWORK 12 LEVEL 3

Open to students in Grades 11 to 12

Prerequisite: MTL Level II

This is an advanced course in metalwork where students will work on individually directed projects.

METALWORK 12 – ART METAL & JEWELRY

This is an advanced course in metalwork where students will work on individually directed art metal and jewellery projects.

METALWORK 12 – MACHINING AND WELDING

This is an advanced course in metalwork where students will work on individually directed fabrication, machining (mill & lathe), and casting projects.

~ELECTRONICS/ROBOTICS & DRONES~

ELECTRONICS/ROBOTICS 9 (ADST 9)

This is the introductory course to electronics and robotics that will build on the skills and knowledge gained in Technology Education 8 (ADST 8). This course is a balance of theory and projects.

ELECTRONICS/ROBOTICS 10 (ADST 10)

Open to students in Grades 10 to 12

This course is an introduction to electronics and robotics. Projects could include small sumo robots, programmable robotic arms, mini drones and other possibilities. The Micro:bit will be used as the microprocessor and programming projects. Opportunities may also be available using the Arduino and/or Raspberry pi. This is an ever-changing field of study so this course will change as needed.

ELECTRONICS/ROBOTICS 11 (ADST 11)

Open to students in Grades 11 to 12

Prerequisite: EL/RB 10

This course will build on the foundation of the grade 10 course. Projects could include small combat robots, programmable robotic arms, mini drones and other possibilities. Industrial automation will be added to this course to be able to create a fully robotic manufacturing environment. This is an ever-changing field of study so this course will change as needed.

ELECTRONICS/ROBOTICS 12 (ADST 12)

Open to students in Grades 11 to 12

Prerequisite: EL/RB 10 or 11

This course will continue the "system's approach to electronic/robotic design". Micro controllers and coding will be explored with the end goal of controlling a student designed robot system. Building and coding mini drones will also be explored in the course. This is an ever-changing field of study so this course will change as needed.

~ENGINEERING DRAFTING AND DESIGN~

ENGINEERING DRAFTING & DESIGN LEVEL I

Open to students in Grades 9 to 12

The course content will prepare students with the basic skills used by engineers, architects and construction workers. The course consists of sketching, orthographic drawing techniques, problem-solving projects (e.g. Catapult Acorn Launcher) and the use of AutoCAD and Inventor. Students will also be taught the basic computer techniques used in a large engineering office.

ENGINEERING DRAFTING & DESIGN LEVEL II

Open to students in Grades 10 to 12

Prerequisite: Engineering Drafting and Design Level I

Students will be taught Architectural and Mechanical Design principles and techniques through hands on projects using programs such as AutoCAD, Revit and Inventor.

The Drafting and Design Architectural unit will consist of designing and modelling their own house from the ground up. They will start by choosing a lot from a subdivision site plan, design a house and build a scale model or 3D model within Revit.

The Drafting and Design Mechanical Unit will consist of designing a 3D model with Autodesk and prototyping devices to solve modern problems. The students will choose a relevant object to design, problem solve, prototype their solution, evaluate the prototype and create working drawings on Inventor 2018 or AutoCAD 2018. 3D printers will be used to create the prototype.

ENGINEERING DRAFTING AND DESIGN LEVEL III

Open to students in Grades 10 to 12

Prerequisite: Engineering Drafting and Design Level II

This course will be a continuation of Architectural or Mechanical design. Students will be able to further their abilities by exploring other areas of Architecture or Mechanical Design. Architectural students may want to explore interior design, complete construction drawings or 3D models in Revit. Mechanical students may want to become more proficient with 3D design software such as Inventor, AutoCAD or focus more on the design aspect and 3D printing.

ENGINEERING DRAFTING AND DESIGN LEVEL IV

Open to students in Grades 10 to 12

This is an advanced course in Drafting and Design where student's work on individually directed projects. A process of design will be followed to ensure success.

~ANIMATION TECHNOLOGY~

ANIMATION TECHNOLOGY LEVEL I

Open to students in Grades 9 to 12

Animation Level 1 is offered as an opportunity for students to explore the exploding field of computer-generated animation. Students will start by modelling their bedroom adding lights and materials making it look as close to real as possible. Animation techniques such as materials editing, animation and video production will be explored using the 3D Studio Max 2018. Computer or drawing skills are not necessary---imagination is.

ANIMATION TECHNOLOGY LEVEL II

Open to students in Grades 10 to 12

Prerequisite: Animation Level I.

This is a continuation of Animation Level I. In this course students will use 3D Studio Max to create realistic scenes with lighting, materials and cameras. They will also create their own characters and animate walk sequences. In the second half of the term students will be encouraged to focus on their strengths whether it be character animation, modelling of objects or cameras and material production.

ANIMATION TECHNOLOGY LEVEL III

Open to students in Grades 10 to 12

Prerequisite: Animation Level II.

At this level students will focus on their strengths. Projects will focus on a production system. The students will plan and complete projects of their own choice. They may work as individuals or in production groups to create scenes and animations.

ANIMATION TECHNOLOGY LEVEL IV

Open to students in Grades 10 to 12

This is an advanced course in Animation where students work on individually directed projects following a process of design.

SCHOLARSHIPS

Detailed information concerning scholarships, bursaries, student loans and other forms of financial aid is available at the Counselling/Career Centre. There are four categories of scholarships available to grade 12 students.

1. Grade 12 BC Achievement Scholarships:

The BC Achievement Scholarship is a \$1250 scholarship that recognizes the top 8000 graduates in the province.

The Ministry will determine recipients based on students' achievement in Grades 10, 11, and 12 courses that satisfy graduation program requirements (including elective courses). Grad Transitions will not be included. A cumulative average percentage will be calculated and form the basis for awarding the BC Achievement Scholarship.

Recipients must meet basic eligibility requirements, in addition to attaining a "B" (73% or above) or better average in their Language Arts 12 course. Recipients may not have more than one Transfer Standing (TS) or Standing Granted (SG) indicator among course marks used for the calculation of winners. Recipients must also be a BC resident AND a Canadian citizen or permanent resident (landed immigrant) at the time of registration in the school year for which the scholarship is awarded.

A student can receive only one BC Achievement Scholarship in their lifetime. Students DO NOT apply for this scholarship. Recipients are determined by the Ministry of Education

2. District / Authority Scholarships (Non-Academic areas):

A number of \$1250 scholarships may be awarded to Burnett students who show outstanding achievement in Home Economics, Technology Education, Business Education or Visual and Performing Arts, International Languages, and Physical Activity.

To qualify for these scholarships, students must meet the basic eligibility requirements of the Ministry and meet the criteria determined by the School's Scholarship Committee which requires a student to demonstrate superior achievement in the non- academic areas.

3. Valedictory Scholarships and Bursaries:

Applications must be made to the Burnett Scholarship Committee by April of a student's grade 12 year. These scholarships and bursaries are donated by the school, local businesses, organizations and individuals in the community. Recipients are chosen by the committee in part by academic success, community and school services, excellence in athletics, performing arts, individual subjects and other criteria required by the donor group. Award winners are announced at the Valedictory Ceremony in June.

4. Other Scholarships:

There are many scholarships available to students that are offered by institutions, industries, governments, unions, businesses, service groups, community sports organizations and individuals. Many post-secondary institutions have entrance scholarship programs. Scholarships in this category must be applied for by the individual. Information, in some cases, can be obtained through the Career Resource Centre.

EQUIVALENCY

Equivalency automatically grants provincial credit for certification which is provided by some external body (e.g. Royal Conservatory of Music). Students who have certification contained within the provincial list of equivalencies receive course credit automatically without going through the challenge process. The equivalency list includes various programs at certain levels that are attained through:

- Royal Conservatory of Music
- Victoria Conservatory of Music
- Western Board of Music
- Open Learning Courses
- External Language Assessment
- Sport, Athletics, Coaches, and Officials Programs
- Life Saving
- First Aid
- Computer Certification
- Cadet Courses
- 4-H C Programs
- Driver Education

CHALLENGE EXAM PROCEDURES

The purpose of Challenge is to acknowledge learning outcomes which students have done in other settings and which correspond to the learning outcomes in the provincial curriculum. A successful Challenge results in a student receiving credit for the appropriate content and a mark, which is recorded on the student's graduation transcript.

Challenge consists of registration, evaluation, and examination. There is a cost to register for the exam and this is refunded when the student writes the exam. Students may challenge a course only once. At this point, registration takes place in October and the exams are taken in late January or early February.

The following Grade 11 and 12 language courses may be challenged for credit:

French 11	French 12
German 11	German 12
Japanese 11	Japanese 12
Korean 11	Korean 12
Mandarin 11 (Traditional or Simplified)	Mandarin 12 (Traditional or Simplified)
Punjabi 11	Punjabi 12
Spanish 11	Spanish 12

NOTE: While a challenged course will satisfy a second language requirement for university, it MAY NOT be used as one of the four courses needed for admission at some post-secondary institutions
For more information, please contact your school counsellor.

CAREER & COUNSELLING CENTRE WEBSITE

<https://portal.sd38.bc.ca/public/du6o2hu/Pages/default.aspx>

The above Career & Counselling Centre website is applicable to Grade 10, 11 and 12 students. It provides them with information on career and post-secondary options such as career fairs, program information sessions, entrance tests, campus tours, scholarships, and exchange programs. The website also provides information on post-secondary application, employment, and volunteering opportunities.

Please note: Post-secondary and scholarship information is constantly changing. Although we are striving to provide students with the latest information, we may not always succeed. It is therefore, the **students' responsibility** to contact relevant sources for more accurate information.



RICHMOND VIRTUAL SCHOOL

Courses Offered by RVS

20th Century World History 12
Accounting 11
AP Psychology 12
Biology 11, 12
Calculus 12
Career Life Education 10
Chemistry 11, 12
Computer Programming 11
Cybersecurity 11, 12
Dance 10-12
Economics 12
English 10, 11, 12
Foods and Nutrition
Foundations and Pre-Calculus 10
Foundations of Math 11, 12
French 10, 11, 12
Geography 12
History of Math 11
Mandarin 11, 12
Outdoor Education 11, 12
Physics 11, 12
Pre-Calculus Math 11, 12
Science 10
Social Studies 10, 11
Young Entrepreneur Leadership

The **Richmond Virtual School (RVS)** is a Distributed Learning secondary school that uses a blended model of online and face-to-face interaction to deliver high quality and dynamic learning opportunities to Richmond students. We have one of the highest success rates in BC.

Our blended Learning approach provides more choices for students, teachers, and schools. RVS students have the flexibility to learn the course content at a time that works for them. As independent learners, students will also benefit from developing life-long learning skills that will prove useful in other online learning opportunities.

We provide free academic and elective courses in grades 10 to 12. Students can take one or more courses through RVS and still be registered in their home school. We also offer a personalized project-based learning program for grade 11 and 12 students called **SKY**. We have extended the **SKY** program to include grade 8, 9 and 10 students in our new **RAIL** program. See our website for more information on the **SKY** and **RAIL** programs as well as our online courses.

Register at

RichmondVirtualSchool.ca

Contact us: rvs@sd38.bc.ca

604-668-6371



Richmond Academy of Innovative Learning