

Handsworth Secondary School

1044 Edgewood Road, North Vancouver, BC V7R 1Y7

Tel: 604-903-3600 Fax: 604-903-3601

Website: <http://www.sd44.ca/school/handsworth/Pages/default.aspx>



Course Planning Guide 2016/2017

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Mission Statement

The Handsworth community develops empowered, innovative and compassionate learners who serve and lead with curiosity and integrity.

Welcome to Handsworth

Welcome to the 2016-2017 school year at Handsworth Secondary School. We are proud to offer a diverse educational program to meet the needs of all our students.

This information is for students and parents to make decisions collaboratively about program requirements for successive years through to graduation. We recommend that you contact the grade specific counsellor if you have any questions regarding your selected program of study.

The French Immersion Program

The objectives of the French Immersion Program are to provide an opportunity for students to achieve a functional competency in the oral and written use of the French language and to familiarize students with the culture of the Francophone community in Canada and throughout the world.

Three core academic courses are taught in French: Sciences Naturelles in grades 8 to 10, Sciences Humaines in grades 8 to 11 and Français Langue in grades 8 to 12. In addition, the following courses are taught in French: Education Physique 9 and Planification 10. Upon successful completion of all courses in the program, students will receive a French Immersion Graduation certificate in addition to the regular Dogwood Graduation Diploma. As a bilingual school, Handsworth offers an extensive collection of French resources which are shared with English program students. The teaching staff encourages students to participate in a number of co-curricular activities in French, thus giving them opportunities to hone their linguistic skills in more natural environments.

School Contacts

PRINCIPAL:	Mr. David Overgaard	(Grade 12)
VICE-PRINCIPAL:	Mr. Justin Wong	(Grade 9,11)
VICE-PRINCIPAL:	Mrs. Erica Schmidt	(Grade 8,10)
ADMIN ASSISTANT:	Mrs. Trace Bell	

Counsellors

	Grade	
Mrs. Marianne Macario	8	mmacario@sd44.ca
Mr. Jay Prepchuk	9	jprepchuk@sd44.ca
Mrs. Susan Jecks	10	sjecks@sd44.ca
Mrs. Stacey Schwegler	11	sschwegler@sd44.ca
Mr. Don Carlson	12	dcarlson@sd44.ca
Mrs. Sandra Congdon	Choices/District Counsellor	scongdon@sd44.ca

Graduation Requirements

In total, eighty credits in Grades 10-12 (equivalent to 20 four-credit courses) are required for graduation. The following courses are mandatory:

• Language Arts 10*	4 credits
• Language Arts 11	4 credits
o Language Arts 12*	4 credits
• Social Studies 10	4 credits
• Social Studies 11*, Canadian Civics 11*, or B.C. First Nations 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
• Planning 10	4 credits
• Graduation Transition Requirement	4 credits
*Provincial Exam	
• Elective Courses	28 credits

Minimum of 16 credits at the Grade 12 level including Language Arts 12. All ministry-authorized and board/authority-approved courses count.

To graduate, you need at least 48 credits from Required Courses - subjects such as Language Arts, Social Studies and Science.

As well, you need 28 credits from Elective Courses, a four-credit Graduation Transition Requirement and five Graduation Program exams. A minimum of 16 credits at the Grade 12 level are required, including Language Arts 12 (all ministry-authorized and board/authority-approved courses count).

- Don't forget that post-secondary institutions often require you to complete specific courses to get into certain programs. Careful planning in Grades 10, 11 and 12 will ensure you have all the courses and credits you need.

Grand Total: 80 Credits

COURSE SELECTION

The course offerings in the high school years are designed to develop a sound foundation in the core subject areas and at the same time, provide opportunities to explore other areas of interest. When selecting electives in Grades 8, 9, and 10, parents and students are encouraged to consider courses in a variety of subject areas. Although the Senior Secondary School years provide the opportunity of greater specialization, parents and students should be guided by the belief that a broad liberal education provides better preparation for further education and the future.

Considerable time and effort go into the development of the school schedule; it is important to understand that the schedule is based upon student course selections. It is important that parents and students give careful thought to the process of course selection.

Once selections have been made, it is expected students will abide by their choices. Final course offerings are dependent on staffing and student demand.

To the best of our knowledge these courses are the course offerings for the 2016/2017 school year. These offerings are subject to changes based on funding, staffing, student demand, expertise of staff and school district and Ministry guidelines.

STUDENT COURSE LOADS

We strongly encourage students to take 8 courses in every grade throughout their high school career.

- Student **MUST** take a minimum of 8 courses. Some students in grades 8, 9 and 10 may take more than 8 courses. E.g. Music and Distributed Learning.
- Students in Grade 11 & 12 may apply for a study block.
- Students in Grade 12 must take a minimum of 7 courses plus Planning 12.

We encourage Grade 11 and Grade 12 students to take value added courses such as mainstream electives to fill out their course load to eight. Conversely, there are course options that provide a more flexible approach, allowing students to retain a study block or take an extra elective within the timetable. These courses are: Work Experience, Peer Tutoring, Jazz Band, Choir or Distributed Learning courses.

The Course Selection Booklet contains many opportunities for students in all grades to expand their horizons. We encourage students to seek out and to explore the elective options available to them.

PLAN YOUR COURSE OF STUDY CAREFULLY!

Grade 9 Courses

Grade 9 Core Required Courses

English Program	
Course Name	Course Code
English 9	MEN--09
Social Studies 9	MSS--09
Science 9	MSC--09
Physical Education 9	MPE--09
Select one: <input type="checkbox"/> Mathematic 9 <input type="checkbox"/> Mathematic 9 Numeracy <input type="checkbox"/> Foundations of Math & Pre-Calculus 10*	MMA--09 MMA-09N MFMP-10
3 Additional Electives	
French Immersion Program	
English 9	MEN—09
Science Humaines 9	FSCHF09
Sciences Naturelles 9	FSCHF09
Education Physique 9	FEPHF09
Francais Langue 9	FFRAL09
Select one: <input type="checkbox"/> Mathematic 9 <input type="checkbox"/> Mathematic 9 Numeracy <input type="checkbox"/> Foundations of Math & Pre-Calculus 10	MMA—09 MMA-09N MFMP-10
2 Additional Electives	

Grade 9 Electives

Elective Courses	Course Code
Business Education General 9	MBE--09G
Business Education Communications 9	MBE--09C
French 9	MFR--09
Visual Art 9	MVA--09
Drama 9	MDR--09
Dance 9	MDNC-09
Concert Band 9	MMU--09-CB or MMU--09ACB
Junior Gold Jazz Band	MMU--09-JB
Music Chamber Strings 9	MMU--09AST
Music Concerti Strings 9	MMU—CST
Music Toccati Strings 9	MMU—ST
Choir 9	MMU--09-VJ
Drafting 9	MTE—09D
Power Technology 9	MTE—09C
Exploring Engineering & Design 9	MTE—09G
Woodwork 9	MTE—09W
Home Economics - Foods Studies 9	MFDN-09
Home Economics - Textiles 9	MTXT-09
Learning Centre (* in consultation with LC teacher & counsellor)	XAT—09LAC

Grades 10-12 Required Course Options

Grade 10 Core Course

English Program	
English 10 *	MEN—10
Social Studies 10	MSS—10
Science 10 *	MSC—10
Select one of the Following: <input type="checkbox"/> Foundations of Mathematics & Pre-Calculus 10* <input type="checkbox"/> Apprenticeship & Workplace Mathematics 10*	MFMP-10 MAWM-10
Select one of the following: <input type="checkbox"/> Physical Education 10 <input type="checkbox"/> Physical Education 10: Dance <input type="checkbox"/> Physical Education 10: Strength & Conditioning	MPE—10 MPE-10-DA MPE-10-ST
Planning 10	MPLANN10
2 Additional Electives	
French Immersion Program	
English 10 *	MEN—10
Francais Langue 10	FFRAL-10
Science Naturelle 10 *	FSCH-10
Select one of the Following: <input type="checkbox"/> Foundations of Mathematics & Pre-Calculus 10* <input type="checkbox"/> Apprenticeship & Workplace Mathematics 10*	MFMP-10 MAWM-10
5. Select one of the following: <input type="checkbox"/> Physical Education 10 <input type="checkbox"/> Physical Education 10: Dance <input type="checkbox"/> Physical Education 10: Strength & Conditioning	MPE—10 MPE-10-DA MPE-10-ST
Sciences Humaines 10	FSCH-10
Planification 10	MPLANN10
1 Additional Elective	

Grade 11 Core Courses

English Program	
Select one of the following: <input type="checkbox"/> English 11 <input type="checkbox"/> Communications 11	MEN—11 MCOM—11
Social Studies 11*	MSS--11
Select One <input type="checkbox"/> Pre-Calculus 11 <input type="checkbox"/> Foundations of Math 11 <input type="checkbox"/> Apprentice & Workplace Math 11	MPREC11 MFOM-11 MAWM-11
Select at least one of: <input type="checkbox"/> Chemistry 11 <input type="checkbox"/> Biology 11 <input type="checkbox"/> Physics 11 <input type="checkbox"/> Physics 11 Enriched <input type="checkbox"/> Earth Science 11	MCH--11 MBI--11 MPH--11 MPH--11E MESC-11
4 Additional Electives	
French Immersion Program	
Select one of the following: <input type="checkbox"/> English 11 <input type="checkbox"/> Communications 11	MEN—11 MCOM—11
Sciences Humaine 11*	MSS--11
Select One <input type="checkbox"/> Pre-Calculus 11 <input type="checkbox"/> Foundations of Math 11 <input type="checkbox"/> Apprentice & Workplace Math 11	MPREC11 MFOM-11 MAWM-11
Francais Langue 11	FFRAL11
Select at least one of: <input type="checkbox"/> Chemistry 11 <input type="checkbox"/> Biology 11 <input type="checkbox"/> Physics 11 <input type="checkbox"/> Physics 11 Enriched <input type="checkbox"/> Earth Science 11	MCH--11 MBI--11 MPH--11 MPH--11E MESC-11
3 Additional Electives	

Grade 12 Core Courses

English Program		French Immersion Program	
Select one of the following: <input type="checkbox"/> English 12 * <input type="checkbox"/> Communications 12 *	MEN—12 MCOM—12	Select one of the following: <input type="checkbox"/> English 12 * <input type="checkbox"/> Communications 12 *	MEN—12 MCOM—12
Transition Planning 12 - Planning 12 - Graduation Transitions	YSEVC2A MGT—	Transition Planning 12 - Planning 12 - Graduation Transitions	YSEVC2A MGT—
6 Additional Electives		Français Langue*	FFRAL12
		5 Additional Electives	

Grade 10 Elective Courses

Title	Code	Title	Code
ART (Fine Arts credit)		TECHNOLOGY EDUCATION (Applied Skills credit)	
Visual Arts 10: General	MVAG-10	Technology Ed 10: Woodworking	MTEW-10
Visual Arts 10: Media Arts	MVAM-10	Technology Ed 10: Drafting & Design	MTED-10
Visual Arts 10: Ceramics & Sculpture	MVAC-10	Exploring Engineering & Design 10	MTEG-10
Visual Arts 10: Drawing & Painting	MVAD-10	Power Technology 10	MTEC-10
BUSINESS(Applied Skills credit)		Automotive Technology 11	MAT--11
Business Ed 10:Communications	MBEC-10	ELL	
Business Ed 10: General	MBEG-10	Ell Beginner	XAT--00BES
DRAMA (Fine Arts credit)		Language Strategies 10	YESFLOB
Theatre Performance 11: Acting	MTPA-11	Ell Seminar 10	XAT--10IND
Theatre Production 11: Technical Theatre	MTPR-11	*ELL placement is dependent on ELL level & teacher recommendation. Please see Ms. Reyes for placement advising.	
HOME ECONOMICS		LANGUAGES	
Foods And Nutrition 10	MFDN-10	French 10	MFR--10
Textiles 10	MTXT-10	French 10: Enriched	MFR--10--E
MUSIC (Fine Arts credit)		Beginning Spanish 11	MBSP-11
Music 10: Chamber Strings	MMOS-10--A		
Music 10: Concerti Strings	MMOS-10--C		
Music 10: Concert Band	MMCB-10		
Music 10: Intermediate Jazz Band	MMJB-10INT		
Choir	MMCC-10		

Grade 11 Elective Courses

ART (Fine Arts credit)		SCIENCE	
S.A. 11: Ceramics & Sculpture	MSACA11	Biology 11	MBI--11
S.A. 11: Drawing And Painting	MSADP11	Chemistry 11	MCH--11
S.A. 11: Graphic Design & Printmaking	MSAPG11	Chemistry 11 Enriched	MCH--11--E
V.A. : Media Arts 11: Photography	MVAMT11	Physics 11	MPH--11
BUSINESS EDUCATION (Applied Skills credit)		Physics 11 Enriched	MPH--11--E
Accounting 11	MAC--12	Earth Science 11	MESC-11
Marketing 11	MMK--11	LANGUAGES	
CAREER PROGRAMS		French 11	MFR--11
Work Experience 11	MWEX-2A	French 11 Enriched	MFR--11E
Secondary School Apprenticeship 11A	MSSA-1A	Beginning Spanish 11	MBSP-11
Secondary School Apprenticeship 11B	MSSA-1B	Spanish 11	MSP--11
COMPUTER STUDIES (Applied Skills credit)		MUSIC (Fine Arts credit)	
ICT: Computer Programming 11	MICTP11	Instrumental Music 11 Concert Band	MIMCB11
ICT: Digital Media Development 11	MICTM11	Instrumental Music 11 Jazz Band	MIMJB11
ICT: Digital Media Development 11 Yearbook	MICTM11-YB	Orchestra Strings 11 Chamber	MIMOS11--A
DANCE (Fine Arts credit)		Orchestra Strings 11 Concerti	MIMOS11--C
Dance: Choreography 11	MDNC-11	Choir 11	MCMCC11
Dance: Performance 11	MDNP-11	PHYSICAL EDUCATION	
DRAMA (Fine Arts credit)		Physical Education 11	MPE--11
Drama: Film & Television 11	MDFT-11	Physical Education 11 Fitness	MPE--11--F
Theatre Performance 12 Acting (Grade 11 Only)	MTPA-12	BA Physical Education Conditioning 11	YHRA-1A
Theatre Production 11: Technical Theatre	MTPR-11	BA Physical Education Conditioning 11 - Girls	YHRA-1A--G
ELL		BA Sports Leadership 11	YHRA-1B
ELL Seminar 11	XAT--11IND	SCIENCE	
SPECIAL EDUCATION		Biology 11	MBI--11
Ba Applications For Learning 11	YED--1A	Chemistry 11	MCH--11
TECHNOLOGY EDUCATION (Applied Skills credit)		Chemistry 11 Enriched	MCH--11--E
Automotive Technology 11	MAT--11	Physics 11	MPH--11
Carpentry & Joinery 11	MCJ--11	Physics 11 Enriched	MPH--11--E
Drafting And Design 11	MDD--11	Earth Science 11	MESC-11
HOME ECONOMICS		SOCIAL SCIENCES	
Foods And Nutrition 11	MFDN-11	Ba Psychology 11	YPSYC1A
Textiles 11	MTXT-11	SOCIAL STUDIES	
ENGLISH		Social Studies 11	MSS--11
English 11	MEN--11		
Communications 11	MCOM-11		

Grade 12 Elective Courses

ART (Fine Arts credit)		DRAMA (Fine Arts credit)	
Art Foundations 12	MAF--12	Drama: Film & Television 12	MDFT-12
S.A. 12: Ceramics & Sculpture	MSACA12	Directing & Script Dev 12 (Join With 12A)	MTPDS12
S.A. 12: Drawing And Painting	MSADP12	Directing & Script Dev 12A	MTPDS12A
S.A. 12: Graphic Design & Printmaking	MSAPG12	Theatre Production 12: Technical Theatre	MTPRT12
V.A. : Media Arts 12: Photography	MVAMT12	ELL	
Ap 2-D Design Portfolio 12	A2DP-12	Ell Seminar 12	XAT--12IND
Ap 3-D Design Portfolio 12	A3DP-12	Language Strategies 12	YESFL2B
Ap Studio Art: Drawing 12	ASAD-12	ENGLISH	
BUSINESS EDUCATION (Applied Skills credit)		English 12	MEN--12
Marketing 12	MMK--12	Ap English Language & Composition 12	AEN--12
Financial Accounting 12	MFA--12	Communications 12	MCOM-12
Economics 12	MEC--12	Literature 12	MLIT-12
Ap Microeconomics 12	AMI--12	Ap English Literature & Composition 12	AELC-12
CAREER PROGRAMS		Writing 12	MWR--12
Work Experience 12	MWEX-2B	English 12 Theatre Performance	MEN--12-TP
Ba Teacher Assistant 12	YED--2C	FRENCH IMMERSION	
Ba Peer Tutoring 12	YIPS-2A	Francais Langue 12	FFRAL12
Secondary School Apprenticeship 12A	MSSA-2A	HOME ECONOMICS	
Secondary School Apprenticeship 12B	MSSA-2B	Foods And Nutrition 12	MFDN-12
COMPUTER STUDIES (Applied Skills credit)		Textiles 12	MTXT-12
Ict: Computer Programming 12	MICTP12	LANGUAGES	
Ict: Digital Media Development 12	MICTM12	Ap French Language 12	AFRL-12
Ict: Digital Media Development 12 Yearbook	MICTM12-YB	French 12	MFR--12
Ap Computer Science 12	ACSC-12	French 12 Enriched	MFR--12--E
SOCIAL STUDIES		Spanish 12	MSP--12
Comparative Civilizations 12	MCCN-12	TECHNOLOGY EDUCATION (Applied Skills credit)	
First Nations Studies 12	MFNS-12	Automotive Technology 12	MAT--12
Geography 12	MGEO-12	Auto Tech 12: Body Repair & Finish	MATB-12
History 12	MHI--12	Carpentry & Joinery 12	MCJ--12
Law 12	MLAW--12	Drafting And Design 12	MDD--12
MATHEMATICS		PHYSICAL EDUCATION	
Pre-Calculus 12	MPREC12	Physical Education 12	MPE--12
Foundations Of Math 12	MFOM-12	Physical Education 12 Fitness	MPE--12--F
Apprenticeship & Workplace Math 12	MAWM-12	Physical Education 12 Conditioning	YHRA-2A
Calculus 12	MCALC12	Ba Physical Education Conditioning 12 - Girls	YHRA-2A--G
Ap Calculus 12	ACAL-12	Ba Sports Leadership 12	YHRA-2B
MUSIC (Fine Arts credit)		PLANNING	
Instrumental Music 12 Concert Band	MIMCB12	Ba Transition Planning 12	YSEVC2A
Instrumental Music 12 Jazz Band	MIMJB12	SCIENCE	
Orchestra Strings 12 Chamber	MIMOS12--A	Biology 12	MBI--12
Orchestra Strings 12 Concerti	MIMOS12--B	Chemistry 12	MCH--12
Choir 12	MCMCC12	AP Chemistry 12	ACHE-12
DANCE (Fine Arts credit)		Physics 12	MPH--12
Dance: Choreography 12	MDNC-12	AP Physics 1	APHH-11
Dance: Performance 12	MDNP-12	AP Physics 2	APHH-12

Graduation Transition Requirements

All BC secondary school students who are enrolled in Grade 10, 11 or 12 and beyond must demonstrate they have met the prescribed learning outcomes for:

- Personal Health
- Community Connections
- Transition Planning

OVERVIEW OF LEARNING OUTCOMES

PERSONAL HEALTH

It is expected that students will:

- Engage in and log at least 150 minutes of regular physical activity per week. PE & dance classes count towards the total hours required to meet DPA expectations.
- Develop a healthy living plan appropriate to their lifestyle that describes
 - sound nutritional habits
 - regular exercise routines
 - emotional health management
 - positive health decisions

More information on the Daily Physical Activity requirements is available on our website.

COMMUNITY CONNECTIONS

It is expected that students will:

- Participate in at least 30 hours of work experience and/or community service
- Describe the duties performed, and show how the experience connects with their developing employability and life skills
- Describe the community event or activity and task(s) performed and the benefit to the community and to the student

TRANSITION PLANNING

It is expected that students will:

- Develop a comprehensive plan that indicates they are prepared to successfully transition from secondary school
- Complete transition activities that support their career, life and learning goals
- Identify and communicate skills that can be transferred to life after school
- Identify and communicate costs and funding sources associated with education, career and life options after graduation
- Present their transition plan to members of the school and/or community

Career Development Programs

The primary goal of work experience is to help students prepare for the transition from secondary school to the world of work. Through work experience, students have the opportunity to observe and practice employability skills required in the workplace as well as technical and applied skills relating to specific occupations or industries.

Other goals include helping students to:

- Connect what is learned in the classroom with the knowledge, skills, and attitudes needed in the workplace
- Gain the knowledge, skills, and attitudes needed to be successful in the world of work
- Develop job readiness skills for specific occupations and careers
- Understand the similarities and differences in behaviour standards between the workplace and school

Handsworth Secondary School Career Development Programs are:

Work Experience 11
Work Experience 12
Secondary School Apprenticeship

Career Centre Contact Information

Sheri Johnson
Work Experience Teacher and Career Placement Advisor
sjohnson@sd44.ca

Peggy Louise
Work Experience Facilitator
plouise@sd44.ca

If you are a community member who is interested in supporting our youth make the connections between school and community, we would love to hear from you. We are always looking for opportunities such as job shadowing, community presenters, field trips/tours of business and work experience placements. Please contact the Work Experience Facilitator if you or your company would be willing to support our youth.

Thank you.

Work Experience 11 & 12 - 4 Credits (MWEX-2A or MWEX-2B)

The primary goal of work experience is to help students prepare for the transition from secondary school to the world of work.

This course is designed to provide students with the focused learning objectives in preparing students for a safe work placement and supporting them in developing the necessary skills to secure and maintain a job.

Through work experience, students have the opportunity to observe and practice employability skills required in the workplace, as well as technical and applied skills relating to specific occupations or industries

During grade 11 and 12, students are placed with local employers in positions that align with their interests and future career goals. The community becomes the classroom where students gain experience in the workplace and are provided with a frame of reference to review or revise their career goals. Through employer assessment, students receive valuable feedback about their employability skills and technical skills related to specific occupations.

**Placement opportunities may vary with participating businesses and organizations from year to year.*

Work Experience is comprised of pre-placement classroom assignments, placement activities including successful completion of 100 hours at a community worksite, and post-placement assignments. Work Experience Teachers and the Work Experience Facilitator will work with students individually and in small groups to assist students with choosing and obtaining relevant and meaningful placements.

Secondary School Apprenticeship (SSA) (4 credits for every 120 hours up to 16 credits)

The SSA program is a career program that provides students with the opportunity to begin their apprenticeship training while attending high school.

A Secondary School Apprentice is:

- 15 years of age or older
- Working a paid, part time position in an apprenticable trade
- Under the supervision of a qualified worker (certified chef or journey person)
- Registered with the Industry Training Authority (ITA)

The student will receive 4 credits towards graduation for every 120 hours completed on the job site, in a paid, supervised position, to a maximum of 16 credits or 480 hours. Four credits will be given for each of:

- Second School Apprenticeship 11A (MSSA-1A)
- Second School Apprenticeship 11B (MSSA-1B)
- Second School Apprenticeship 12A (MSSA-2A)
- Second School Apprenticeship 12B (MSSA-2B)

Apprenticeship hours can be completed in a number of ways including after school, weekends, holidays, or in classes where it can be accommodated in the school timetable, during school time.

Students who complete 900 hours of apprenticeship work may be eligible for a \$1000 scholarship.

Learning Centre

The Learning Centre at Handsworth Secondary School is reserved for students with ministry designated learning disabilities. However, throughout the year, students with significant academic struggles may be referred to the Learning Centre by their grade counsellors at the monthly School Based Resource Team meeting. In the Learning Centre students are asked to bring work from their current academic subjects and are given support for their learning as well as strategies and skills to develop as learner.

CHOICES

Choices is an intervention, with the ultimate goal of having students maintain their educational experience at their regular mainstream high school. The purpose of Choices is to support students with social/emotional and behavioural issues. These students need assistance to recognize, understand and create strategies to overcome challenges that have caused barriers to learning. They are still a part of their school community, engaging in academic and social activities that fit their learning needs, while having the opportunity to connect to teachers, support workers and counsellors who are able to adapt their program without having to exit them to an alternate program. It is a place to facilitate connection and belonging to the school community. Students who are involved in Choices may simply be connected to a support worker on a regular basis, may come to the Choices classroom for support for part of a regularly scheduled class, or have a scheduled Choices block where the Choices teachers provide flexible and adapted curriculum. The key component of Choices is the partnership with the regular classroom teachers, grade counsellors, District Counsellors, parents and community to collaborate, create and maintain a program of support for students.

NVSD Enhanced Program Offerings

Please see the Secondary School Enhanced Program Opportunities Booklet for 2015-16 available on our NVSD web page:
<http://www.sd44.ca/ProgramsServices/EnhancedPrograms/Pages/default.aspx>

ALTERNATE CREDIT OPPORTUNITIES

EXTERNAL COURSES

Students can receive graduation credit for successfully completing certain external courses which have been approved by the Ministry of Education, Skills and Training. External courses have been approved in the following areas:

- Music
- Dance, Speech and Effective Communications (through Trinity College: London)
- Post Secondary Courses
- Languages
- Sports: Athlete, Coach, Officials
- Youth Development Programs: Air, Army and Sea Cadets, 4-H Program, Guides, Scouts
- Industrial and Occupational Programs: Tourism, Wood Products, First Aid, Lifesaving, Computer
- Certification, ICBC Driver Education, Private Pilot's License
- Check Ministry website for detailed information

www.bced.gov.bc.ca/policy/policies/earning_credit_through.htm

CHALLENGE

Course challenge allows students an opportunity to receive credit without taking a course, providing the learning outcomes have been successfully demonstrated and assessed. The process of challenge is rigorous, intended for students who have exceptional ability in a specific area of study or for those who have had exceptional opportunities for learning.

Students may challenge a course only once and may not challenge to receive a higher mark in a course previously taken. Students challenging provincially examinable courses, must first successfully challenge the school-based component prior to writing the provincial examinations. Students should check university websites as some universities may not accept a challenge course for admission purposes except as a language 11.

<http://www2.gov.bc.ca> then search equivalency

Advanced Placement Courses

The Advanced Placement Courses provide the students an avenue to enrich and demonstrate their educational expertise to the 1st year University level. In May of each year, Advanced Placement, in conjunction with the College Board and Educational Testing Services, offer a set of internationally recognized exams. Students who are successful on AP examinations receive credit at most Universities and Colleges in Canada and the United States. Colleges and universities set their own policies for granting credit and/or placement for AP scores. Students should contact colleges of interest directly to learn more about specific AP credit policies and requirements. For more information on the AP Program, visit their website at:

www.apcentral.collegeboard.com.

Handsworth offers, subject to sufficient enrollment, several Advanced Placement courses to students in the senior grades including:

- AP English Literature & Composition 12 (4 credits)
- AP English Language & Composition 12 (4 credits)
- AP Computer Science 12 (4 credits)
- AP Calculus 12 (4 credits)
- AP Chemistry 12 (4 credits)
- AP Physics 1 (4 credits)
- AP Physics 2 (4 credits)
- AP French 12 (4 credits)
- AP Microeconomics 12 (4 credits)
- AP Studio Art (Drawing) 12 (4 credits)
- AP 2-D Design Portfolio 12 (4 credits)
- AP 3-D Design Portfolio 12 (4 credits)

Students registering for AP courses are encouraged to consult with their current subject teacher, AP teachers, and their counsellor for course selection guidance.

Distributed Learning Schools (NVSDS)

Visit the online website: <http://www.sd44.ca/school/distributed/Pages/default.aspx>

North Vancouver Distributed Learning School (NVDLS) offers a brand new opportunity for students in British Columbia and particularly in North Vancouver and the North Shore. It is our intention to provide students with the best online course experience anywhere. In order to do so we will be providing top quality curriculum, and frequent contact with our teachers - online, face to face, and by phone. Our goal is to ensure that the online course is an engaging course that leads to success.

WHAT ARE ONLINE COURSES?

Online courses in North Vancouver are regular high school graduation courses that allow students a different method of completing the course. Students must have access to a computer and internet. This allows students to work from any location they choose, at the pace they choose and at the time of day they choose.

It is important to remember that while there is a great deal of independence expected of students there is always a teacher available to assist the student. The teacher's role is different too, in that they do not (usually) meet students in a classroom.

Teachers provide:

- a structure to the course
- learning opportunities
- direction as students proceed through the course
- assistance (via email, chat, online tools, face to face)
- assessment (assignments, quizzes, tests . . .)

WHAT MAKES FOR A SUCCESSFUL ONLINE STUDENT?

Before deciding whether online learning will fit your educational needs and personal circumstances, students and parents need to be aware of:

- who is likely to succeed with distance learning
- whether you have some of the characteristics to be a successful online student
- the expectations of the parent or guardian as facilitator in their child's education

This type of learning environment isn't for all students

Successful online students are:

- self-motivated
- independent learners
- computer literate
- good time managers and know how to organize their time and tasks
- learners who have effective written communication skills (much of the communication with a teacher will be via email)
- personally committed to this type of learning environment
- learners who have support of a responsible adult to work with them and supervise their progress.

PARENTS NEED TO:

- help their child with the necessary technology
- assist in setting up a daily routine and organization of assignments
- monitor progress
- encourage students to ask questions when they are having difficulty

DISTRIBUTED LEARNING COURSE INFORMATION

NVDLS offers the following distributed learning courses.

GRADE 10	GRADE 11	GRADE 12
PE 10	Social Studies 11	Planning 12
Foundations of Math & Pre Calculus 10	Foundations of Math 11	English 12
Apprenticeship & Workplace Math 10	Apprenticeship & Workplace Math 11	French 12
Planning 10	Pre-Calculus 11	Biology 12
English 10	English 11	Law 12
Experimental Outdoor Leadership 10	Earth Science 11	Chemistry 12
Science 10	Chemistry 11	Geography 12
Social Studies 10	Physics 11	Transition Planning 12
Planification 10	Biology 11	History 12
Sciences Humaines 10	Communications 11	Physics 12
		Marketing 12
		Pre-calculus 12
		Communications 12
		PE 12
		BC First Nations 12
		Calculus 12
		Math 12 Foundations

Business Education

BUSINESS EDUCATION COMMUNICATIONS 9

(Applied Skills) (MBE--09C)

This is an introduction to efficient and effective internet use, word processing and simple desktop publishing. Students will examine topics such as the use of social media, cyber ethics, digital literacy, deconstructing media, the job acquisition process and a basic introduction to computer programming principles. Students will also become proficient in the use of Microsoft Office, Excel, Power Point, and a number of online applications.

BUSINESS EDUCATION COMMUNICATIONS 10

(Applied Skills) (4 credits) (MBEC-10)

MBEC10 compliments the skills learned in MBE-09C. Students will look at how computers and technology have changed the way we communicate with the world around us. Students will learn how to be more proficient with these new technologies while improving their computer skills. Microsoft Office, Excel, Powerpoint and a variety of specialty programs will be used. No pre-requisite required.

BUSINESS EDUCATION GENERAL 9

(Applied Skills) (MBE--09G)

This is an introduction to the world of business. This course introduces student to personal finance, budgeting, credit, banking, investments, real estate, corporate social responsibility, economics, marketing, ethics and legendary leaders of business. Students will use current events to further develop their understating of course materials. Students will have an opportunity to participate in an online stock simulation competing with students across the country.

BUSINESS EDUCATION GENERAL 10

(Applied Skills) (4 credits) (MBEG-10)

Business Education 10 continues to look at the World of Business. Basic business concepts will be applied to help explain what is happening in the world around us. Students will cover a variety of topics including finance, economics, marketing, tourism and ethics. Students will have the opportunity to develop a business plan and learn the ropes of becoming an entrepreneur and how to best secure venture capital.

ACCOUNTING 11

(Applied Skills) (4 credits) (MAC--11)

This course introduces students to basic accounting concepts: from the creation of the beginning balance sheet to trial balance. It will provide students with employment skills at the entry level. Students are also introduced to the use of Simply Accounting. Permission of teacher required for Grade 10 students.

Economics 12

(Applied Skills) (4 credits) (MEC—12)



Economics 12 will provide students with a background in economics theory. Why do people behave the way that they do? How do we allocate scarce resources? Why do companies make the decisions that they do? Students will gain knowledge of the Canadian Economic system and how it operates including the principles behind government and social policies. Students will look at local and global trends and how Canada is impacted by different economic policies. This will help students with their understanding of how our society operates. Students will also apply their economic understanding to their own personal finances and future goals.

AP MICROECONOMICS 12

(Applied Skills) (8 credits) (AMI--12)

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of Supply and Demand, Factor Markets, Market Structures, Costs of Production and how the government can intervene to promote greater efficiency and equity in the economy. Particular emphasis will be placed upon building economic theory at the university level in order to create a solid theoretical base for further economic inquiry. Students will write the AP Exam in May and will receive their Exam mark in the summer.

\$140 AP Exam Fee

FINANCIAL ACCOUNTING 12

(Applied Skills) (4 credits) (MFA--12)

This course is intended for students who wish to pursue post-secondary studies in accounting, finance, business management, or commerce. Advanced concepts of financial accounting encourage students to develop analytical, decision-making, and communication skills. These skills will also be useful to students intending to pursue other professions.

MARKETING 11

(Applied Skills) (4 credits) (MMK--11)

This course looks at the world of retail and consumerism around us. Students will look at current advertising examples and trends. Students will learn how to design a business plan; the necessity and power of advertising; how to identify potential customers, how to improve sales skills and the growing importance of e-commerce.

MARKETING 12

(Applied Skills) (4 credits) (MMK--12)

In this class students will look critically at the advertising they are exposed to every day. Students will look at the unique marketing involved with Sport Teams, the Tourism Industry and other Marketing giants. Students will learn to develop a business plan as well as be given the opportunity to apply their skills to a real life business endeavour. No prerequisite required.

DIGITAL MEDIA DEVELOPMENT 11

(Applied Skills) (4 credits) (MICTM11)

Digital Media Development 11 focuses on the technical side of Visual Media Development. At the grade 11 level, students are introduced to Desktop Digital Video through iMovie, 2D Graphic Design and publishing using Photoshop, Indesign, and Flash. Students will create short films and animations as well as publish for the web.

DIGITAL MEDIA DEVELOPMENT 12

(Applied Skills) (4 credits) (MICTM12)

Digital Media Development 12 focuses on the technical side of Visual Media Development. At the grade 12 level, students make advanced use of Desktop Digital Video through iMovie, 2D Graphic Design and Publishing using Photoshop, Indesign, and Animation using Flash. Students will create longer movies and animations as well as create large scale web content.

COMPUTER PROGRAMMING 11

(Applied Skills) (4 credits) (MICTP11)

Computer Programming 11 focuses on the development of programs using a structured, object-oriented programming language. Students use languages such as Javascript, HTML and Action Script to learn Methodology, Structures, Graphics and User Interfaces, Arrays, Object-Oriented Programming, and Application Development. At the grade 11 level, students are given a gentle introduction to programming.

COMPUTER PROGRAMMING 12

(Applied Skills) (4 credits) (MICTP12)

Computer Programming 12 focuses on the development of programs using a structured, object-oriented programming language. Students will use the programming language Java to learn Methodology, Structures, Graphics and User Interfaces, Arrays, Files and Searching, Arrays and Sorting, Object-Oriented Programming, and Application Development. At the grade 12 level, students tackle these subjects at a higher level and should not attempt this course unless they have completed MICTP11 or equivalent.

AP COMPUTER SCIENCE 12

(Applied Skills) (4 credits) (ACSC-12)

Students in AP Computer Science will learn object-oriented programming with an emphasis on problem solving and algorithm development. The course is meant to be the equivalent of a first-semester university or college course in Computer Science. It also includes the introductory study of data structures and abstraction. The computer language used will be JAVA. Students taking this course are recommended to complete MICTP12 or have equivalent programming experience with Java. Upon completion of AP Computer Science 12 (and after achieving a score of 4 or 5 on the AP exam) students may be granted credit at some universities.

\$140.00 AP Exam Fee

YEARBOOK 11/12

(Applied Skills) (4 credits) (MICTM11-YB) (MICTM12-YB)

The primary focus of this course is the completion of Handsworth's yearbook. Smaller projects are also undertaken. The yearbook is completed online using a variety of digital tools. Students enrolling in this class should have basic to advanced computer skills. Experience with, or mastery of the following skills are an asset but not requisite: Adobe InDesign, Adobe Photoshop, page design, layout, digital photography, journalism and editing. Students taking this course should be engaged in and shown leadership in a variety of extra-curricular school activities. Students enthusiastic about photography, journalism, digital publishing and creating memorable keepsakes for their entire student body are encouraged to registered!

Careers Program

WORK EXPERIENCE 11 & 12

(4 credits) (MWEX-2A or MWEX-2B)

Work Experience helps students prepare for the transition from secondary school to the world of work or further education and training. During Grade 11 and 12, students are placed with local employers in positions that align with their interests and future career goals. The community becomes the classroom where students gain experience in the workplace and are provided with a frame of reference to review or revise their career goals. Work experience is comprised of pre-placement classroom activities combined with 100 hours at a community worksite. Work experience coordinators work with students individually and in small groups to assist students with choosing and obtaining relevant and meaningful placements.

SECONDARY SCHOOL APPRENTICESHIP

(4 credits for every 120 hours up to 16 credits)

The SSA program is a career program that provides students with the opportunity to begin their apprenticeship training while attending high school. The student will receive 4 credits towards graduation for every 120 hours completed on the job site, in a paid, supervised position, to a maximum of 16 credits or 480 hours. Apprenticeship hours can be completed in a number of ways including after school, weekends, holidays, or in classes where it can be accommodated in the school timetable, during school time.

PLANNING 10

(4 credits) (MPLAN10)

The aim of Planning 10 is to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life.

Planning 10 applies to all Grade 10 students. Students must complete Planning 10 in order to satisfy graduation requirements. This course will cover topics in:

- a) The Graduation Program (including introduction to the Graduation Transition Requirements).
- b) Education and Careers (self-awareness, post-secondary education and training, labour market information, job seeking and job keeping, employment standards and workplace safety, support networks and resources).
- c) Health (healthy lifestyles, health information, healthy relationships, safe schools, and healthy decision making).
- d) Finances (financial literacy skills, costs of education and career options, and financial plan).

PLANIFICATION 10

(4 credits) (MPLANF10)

All Grade 10 students must complete Planning 10 in order to satisfy graduation requirements. This course is equivalent to Planning 10 with instruction in French; it is required for all French Immersion students as an opportunity to further enhance their French language skills, particularly in the areas of vocabulary and oral fluency.

Planification 10 will cover a broad range of topics including: introduction to Graduation Transition requirements, Education and Careers, Health and Finances. The aims of the course are to enable students to:

1. develop the skills they need to become self-directed
2. take ownership of their own health and learning
3. set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life
4. create a plan for their growth and development as skilled, healthy, knowledgeable, citizens

PLANNING 12

(2 credits) (YSEVC2A)

The aim of Planning 12 is to support students in acquiring attributes in the areas of intellectual, social, and career development. Guidance will be provided to assist students in the continued development of their Graduation requirements through their Grade 12 year and prepare them for their Post Secondary choices.

The Graduation Transition Requirements will be supported in Planning 12.

PEER TUTORING 12 (4 credits) Credit Based Model (YIPS-2A)

Peer Tutoring 12 is a 4 credit course offered to students in Grade 12. This is a formalized support model that is designed for students in Grade 12 to volunteer as a Peer Tutor for course credit. This course provides assistance to students primarily in Grades 8 and 9 who are in need of support throughout the entire school year. As it is a service based course there is considerable flexibility as to when and where the tutoring can take place.

Grade 12 students will be expected to be enrolled in at least 7 classes (including Planning 12) plus Peer Tutoring 12.

English

ENGLISH 9

(English) (MEN--09)

Building on the skills developed in English 8, students will also begin to explore connections between informational, story and poetry texts. While paragraph writing is emphasized, students will be introduced to the concept of thesis and will practice writing an essay in the narrative, descriptive, expository or persuasive mode.

ENGLISH 10

(English) (4 credits) (MEN--10)

In English 10, students begin serious literary analyses of novels and study at least one Shakespeare play. In addition, students are introduced to formal essay writing: expository, descriptive, and narrative.

ENGLISH 11

(English) (4 credits) (MEN--11)

English 11 includes the study of major literary forms: poetry, the novel, and the short story (particularly with emphasis on theme and symbolism). The focus is on Canadian and American literature.

ENGLISH 12

(English) (4 credits) (MEN--12)

English 12 provides an in-depth study of twentieth century literature in its various genres: the novel, the play, poetry and the short story. Students will read and analyze several novels written by authors such as George Orwell, John Steinbeck, Ernest Hemingway, F. Scott Fitzgerald, Thomas Hardy, and Albert Camus. Literary analyses and essay writing skills are heavily emphasized in order to prepare students for the provincial exam.

COMMUNICATIONS 11

(English) (4 credits) (MCOM-11)

Communications 11 provides students with opportunities to study a broad range of information and literary works and to practice using language in written, oral and visual forms for a variety of functions. This course may be taken in place of English 11. A student who successfully completes Communications 11 may then take Communications 12.

Prerequisite: MEN--10

(Teacher recommendation & Parental approval)

COMMUNICATIONS 12

(English) (4 credits) (MCOM-12)

Communications 12 will satisfy graduation requirements. Communications 12 provides students with opportunities to study a broad range of informational and literary works and to practice using language in written, oral, and visual forms for a variety of functions. Interested students should make themselves aware if Communications 12 fulfills the English requirement for their post-secondary plans.

Prerequisite: MCOM-11 or MEN--11

(Teacher recommendation & Parental approval)

WRITING

(English) (4 credits) (MWR--12)

The Creative Writing is a survey course in which students study and practice a variety of fiction and non-fiction writing. A wide range of genres is covered: short stories, poetry, screenwriting and journalism. Students engage in oral and written critiques of their own work and of the writing of established authors. Students assemble a portfolio of pieces at the end of each term.

ENGLISH 12 TP: English and Theatre/Dance/Film Connections

(English) (4 credits) (MEN- -12-TP)

English 12 TP covers the same curriculum as English 12 with students typically enrolled in a senior theatre/dance/film/production course. Students enrolled in this course are often heavily involved in a complex collective theatre-making process, which involves scriptwriting, filming, choreographing, designing and stage managing. Over the course of a year, students work collaboratively to co-create and perform an original play or an original interpretation of a play. Since 2000, the students' plays have been performed annually at Centennial Theatre, involving over 150 Handsworth students per production. Overall, the English 12 TP course provides the opportunity for students to inquire as a learning community and to explore the themes, topics, and connections that organically arise from the interactions of the students' reading and writing assignments in the English 12 curriculum and the students' collective co-creation. For more information, also read the course description for English 12.

While not required, typically students enrolled in English 12 TP are also enrolled in Directing and Script Development 12, Acting for Film/TV 11/12, Theatre Production 11/12, and/or Dance/Choreography 11/12.

ENGLISH LITERATURE 12

(English) (4 credits) (MLIT-12)

Literature 12 introduces students to many of the greatest authors and works in English literature. The English Literature 12 curriculum emphasizes students' developing intellectual, aesthetic, and affective responses to text. Literary text are studied both as works of art for close reading and as reflections of social, political, and historical forces. Student will have the opportunity to develop increasingly sophisticated skills in the interpretation and analysis of literature, examine the diversity and commonality of human experience, and enhance the communication and thinking skills important in all careers.

AP ENGLISH LANGUAGE & COMPOSITION 12

(English) (4 credits) (AEN--12)

The AP English Literature and Composition course is designed to engage students in careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their critical understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students are expected to read University level work of literature and analyze the texts through a variety of critical theories. Students who are considering enrolling in this course need to be committed to completing the required readings and following the course syllabus. Upon completion of AP English and Composition 12 exam achieving a score of 4 or 5 on the AP exam students may be granted credit at some colleges and universities.

\$140.00 AP Exam Fee

AP ENGLISH LITERATURE & COMPOSITION 12

(English) (4 credits) (AELC-12)

The AP English Literature and Composition course is designed to engage students in careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As well as covering all of the content for Literature 12, students read University level works of literature and analyze the texts through a variety of critical theories. Students are expected to connect important historical patterns, philosophical ideas, and aesthetic principles to their study of texts including Euripedes' *Medea*, Sophocles' *Oedipus Rex*, Aristophanes' *Lysistrata*, Shakespeare's *Hamlet*, Austen's *Pride and Prejudice*, Voltaire's *Candide*, Conrad's *Heart of Darkness*, Miller's *Death of Salesman*, Bronte's *Jane Eyre*, Hemingway's *The Sun Also Rises*, Fitzgerald's *The Great Gatsby*, Chopin's *The Awakening*, Wilde's *The Importance of Being Ernest*, Shaw's *Pygmalion*, and Ellison's *Invisible Man*. Students who are considering enrolling in this course need to be committed to completing the required readings and following the course syllabus. Upon completion of AP English Literature and Composition 12 (and after achieving a score of 4 or 5 on the AP exam) students may be granted credit at some colleges and universities.

\$140.00 AP Exam Fee

English Language Learners

ELL

(ELL) (XAT--00BES)

This course is for Level 1 & 2 English speakers. Students will work on basic language acquisition skills to improve their listening, speaking, reading and writing in English.

LANGUAGE STRATEGIES 10

(ELL) (4 credits) (YESFLOB)

This course is designed to enable Intermediate level ELL students to learn strategies and extend skills in the four main language areas of reading, writing, listening and speaking. It focuses on providing students with opportunities to acquire and practice the strategies necessary for successful reading and writing across the curriculum.

ELL INDIRECT

(ELL) (No credits) (XAT--00ESL)

This course is designed to enable students to further their understanding of the four main English language skills of listening, speaking, reading and writing. It focuses on extending the strategies needed to communicate in standard English. It also addresses specific needs in language and culture.

Fine Arts: Art

ART 9

(Fine Arts) (MVA--09)

Art 9 is a survey/foundations course that is an introduction to advanced courses. Skills in drawing, painting, design, ceramics and printmaking will be explored. Art elements and principles will be incorporated into projects. Originality will be emphasized and history of art will be integrated when appropriate.

\$20.00 for supplementary materials (including a good quality sketchbook)

ART 10

(Fine Arts) (4 credits) (MVAG-10)

Art 10 is a survey/foundation course that builds upon skills and strategies learned in Art 9 or Art 8. (Art 9 is not a prerequisite for this course). More advanced skills in drawing, painting, design, ceramics and printmaking will be incorporated into the course. Materials may include pastels, water colours, graphite, charcoal, prisma colour, linocut printmaking, acrylics, pen and ink and clay. The elements and principles of art and design will be explored in art assignments, and originality will be emphasized. Art history will be incorporated where possible.

\$20.00 for supplementary materials (including a good quality sketchbook)

ART FOUNDATIONS 12

(Fine Arts) (4 credits) (MAF--12)

Art Foundations 12 is a course designed for serious art students who plan to submit a portfolio for acceptance to a post-secondary institution, and to pursue a career in the art world. Students will be working in an independent manner but with focus on the necessary skills to enter their area of interest (e.g. fashion, graphics, fine arts etc.). Gallery reviews and experiments with art-related technology will be expected. New forms of personal imagery and ideas will be encouraged and incorporated into the course. Self-motivation and good time management skills are essential.

\$35.00 for supplementary materials (including a quality, larger sketchbook)

CERAMICS & SCULPTURE 10/11

(Fine Arts) (4 credits) (MVAC-10) (MSACS11)

In Ceramics & Sculpture **10, 11** students will develop techniques, presentation skills, and understanding of visual culture as these relate to three dimensional media. Techniques will include hand-building methods in clay such as coil and slab construction, wire and paper mache sculpture, mold making and casting processes, surface development methods, and visual design elements and principles. Presentation skills will include considerations of audience, artistic influences, exhibition and considerations and documentation of the design process. Visual culture will include knowledge of artists, artworks, and movements in ceramics and sculpture across a variety of contexts. Students working at the senior level will be expected to complete additional and more sophisticated works.

\$35.00 for supplementary materials

CERAMICS & SCULPTURE 12

(Fine Arts) (4 credits) (MSACS12)

This course is an advanced extension of Ceramics and Sculpture 11. Students will develop skill to a more competent level. Portfolio pieces, necessary for acceptance to Post-Secondary Art Institutions, can be developed. Self-directed study is encouraged during the second part of the year. Completion of Ceramics & Sculpture 11 will be an asset.

\$35.00 for supplementary materials

DRAWING & PAINTING 10/11

(Fine Arts) (4 credits) (MVAD-10) (MSADP11)

This course is designed to develop drawing skills, with painting as a focus during the latter part of the year. Pencil, charcoal, ink, conte crayon, graphic design markers, chalk pastels, oil pastels, watercolour and acrylic paints will be the mediums used. Composition and design principles will be applied to still life, landscape, figure drawing and abstract subject matter. Drawing from observation will be emphasized, as this skill is required for post-secondary Art studies. Recognized artists as role models and inspiration will be discussed.

\$38.00 for supplementary materials (including a good quality sketchbook and watercolour paper)

DRAWING & PAINTING 12

(Fine Arts) (4 credits) (MSADP12)

This course develops the skills of Drawing and Painting 11 to a more competent level. Observation in drawing skills will be emphasized and abstraction will play a greater part in student work. During the second part of the year, portraiture, figure drawing and personal imagery will be encouraged and the student will be introduced to the exciting medium of oil sticks. Students will research and study several artists and will develop critiquing skills. Completion of Drawing and Painting 11 is an asset. NOTE: If you need to develop a portfolio for University or Art School, this course is imperative.

\$40.00 for supplementary materials (including a good quality sketchbook and oil sticks)

MEDIA ARTS 10

PHOTOGRAPHY

(Fine Arts) (4 credits) (MVAM-10)

Media Arts 10 is an introductory level photography course in which students are guided through photographic processes and use of light sensitive media, including darkroom processes, lighting, pinhole photography, film, and digital work with the single lens reflex camera. Students are expected to continue applying design concepts studied in Art 9 but with the camera, enlarger, and inkjet printer replacing pencil and brush. Applied technical skills such as digital imaging (with PhotoShop), presentation techniques, and film processing provide a foundation for the artistic vision of the student. Students will benefit from having their own SLR camera, either 35mm film or digital with manual control capabilities (see instructor).

Recommended prerequisite: Art 9

\$75 for supplementary materials (including film, photographic paper, and printer inks)

MEDIA ARTS 11

PHOTOGRAPHY

(Fine Arts) (4 credits) (MVAMT11)

Media Arts 11 is an intermediate level photography course in which students continue developing skill with photographic processes and use of light sensitive media introduced in Media Arts 10. Students are expected to continue applying design concepts studied at the grade 10 level with a greater emphasis on independent problem solving. At the grade 11 level, technical and aesthetic concepts are complemented by the study of the history of ideas in photography, encouraging creative personal expression. Students will be expected to demonstrate technical skill, skill with composition, and to exhibit a sophisticated creative approach to all assignments. Students must have access to a 35mm single lens reflex camera (film or digital) with manual control capabilities (see instructor).

Recommended prerequisite: Art 10

\$75 for supplementary materials (including film, photographic paper, and printer inks)

MEDIA ARTS 12

PHOTOGRAPHY

(Fine Arts) (4 credits) (MVAMT12)

This is an advanced level film and digital media course intended to build on technical skills acquired in previous courses and to develop a personal artistic direction. Students will be introduced to contemporary issues in media arts. Good time management skills are essential. Students must have access to a 35mm single lens reflex camera (film or digital) with manual control capabilities (see instructor).

Recommended prerequisite: Media Arts 11

\$75.00 for supplementary materials (including film, photographic paper, and printer inks)

PRINTMAKING & GRAPHIC DESIGN 11

(Fine Arts) (4 credits) (MSAPG11)

In this course students apply drawing and design skills to both hypothetical and actual design problems. Technical instruction may include conventional media (marker and paint renderings), traditional printmaking (collograph, lino-cut and monotype), and digital media (Illustrator, Photoshop, and InDesign). These tools and techniques will be applied to the design of logos, packaging, brochures, and posters. Students will complete projects both individually and as members of design teams, much like real world graphic design professionals.

Recommended prerequisites: Drawing and Painting 10 or 11

\$35.00 for supplementary materials (includes a sketchbook and printer inks)

PRINTMAKING & GRAPHIC DESIGN 12

(Fine Arts) (4 credits) (MSAPG12)

Graphic Design 12 is an advanced commercial art course in which students will be expected to expand on designing skills from the previous courses in a more independent fashion. Assignments will be both 'job' or 'service' oriented as well as self-directed. Designing logos for school and community groups, the school's agenda book and school play promotions are examples of such topics. Students are recommended to take *Graphic Design & Printmaking 11* and *Drawing and Painting 11* or *12* before this course.

\$35.00 for supplementary materials (includes a sketchbook and printer inks)

AP STUDIO ART (DRAWING) 12

(Fine Arts) (4 Credits) (ASAD-12)

The AP Studio Art course is designed for students who are seriously interested in the practical experience of art. AP Studio Art sets a national standard for performance in the visual arts that contributes to the significant role the arts play in academic environments. The AP Drawing course is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that will be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract and observational works will be expected to demonstrate drawing competence. Students will be expected to complete the AP Drawing portfolio categories of quality, concentration, and breadth. Students are recommended to take *Drawing and Painting 11* before this course.

\$35.00 for supplementary materials (including a good quality sketchbook and inkjet ink); \$140 Exam Cost

AP 2-D DESIGN PORTFOLIO 12

(Fine Arts) (4 Credits) (A2DP-12)

The AP Studio Art course is designed for students who are seriously interested in the practical experience of art. AP Studio Art sets a national standard for performance in the visual arts that contributes to the significant role the arts play in academic environments. This course is intended to address two-dimensional (2-D) design issues. Students are asked to demonstrate mastery of 2-D design through many two-dimensional mediums and processes, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Students will be expected to complete the AP Drawing portfolio categories of quality, concentration, and breadth. Students are recommended to take *Graphic Design 11* before this course.

\$35.00 for supplementary materials (including a good quality sketchbook and inkjet ink); \$140 AP Exam Fee

AP 3-D DESIGN PORTFOLIO 12

(Fine Arts) (4 Credits) (A3DP-12)

The AP Studio Art course is designed for students who are seriously interested in the practical experience of art. AP Studio Art sets a national standard for performance in the visual arts that contributes to the significant role the arts play in academic environments. This course is intended to address three-dimensional (3-D) design issues. Students are asked to demonstrate mastery of 3-D design through many three-dimensional mediums and processes. Students will be expected to complete the AP Drawing portfolio categories of quality, concentration, and breadth. Students are recommended to take *Ceramics Sculpture 11* before this course.

\$35.00 for supplementary materials (including a good quality sketchbook and inkjet ink); \$140 AP Exam Fee

Fine Arts: Dance

OVERVIEW OF THE DANCE PROGRAM

Contemporary, jazz, folk, lyrical and hip-hop/anime/locking/popping dance techniques may be studied. Strong emphasis is placed on student choreographic projects, leadership skills, improvisation, dance etiquette, and inspiring the next generation through dance. Computer applications will be used in the studio to learn how to edit music, create formations, and dance sequences. Students will learn about the pioneers of dance and the influential choreographers of today in dance history. Dancers will also get the opportunity to learn from guest choreographers and local dance artists. This new initiative is designed to connect the dancers with the vibrant local dance scene. All dance students will showcase their talent in the bi-annual "Hands Up" dance performances at Centennial Theatre. No experience required.

Note

Placement will be based on a one-on-one consultation with the dance teacher, the schedule and the student's ability level for the following classes:

- Dance Performance 11
- Choreography 11
- Dance Performance 12
- Choreography 12

DANCE 9

(Fine Arts) (MDNC-09)

Dance 9 provides students with opportunities to experience, understand, and value the art of dance through technical skills and performance. Students will be immersed in hip-hop, jazz, and contemporary dance. The basic elements of choreographing will be introduced to promote self-advocacy, confidence, and creativity. All male and female dances will also discover more about the vibrant dance culture in Vancouver and develop an appreciation for the arts. Have fun creating dances to your favourite music in a dynamic and safe environment! No previous dance experience necessary.

PHYSICAL EDUCATION 10 DANCE

(Applied Skills) (4 Credits) (MPE--10-DA)

For students who wish to focus on dance, get fit through this medium and participate in the bi-annual "Hands Up" dance performances. Different types of dance will be explored such as contemporary, lyrical, folk, jazz, hip hop, etc. An emphasis will be placed on promoting healthy living habits such as exercising as lifelong benefits. Come discover the fun in dancing! **This course counts as a PE 10 credit.**

DANCE PERFORMANCE 11

(Fine Arts) (4 credits) (MDNP-11)

This class is for students who wish to develop their technique in various dance styles further and expand their knowledge about dancing as an art form. It requires commitment to perform in bi-annual performances of "Hands Up" and the school play.

DANCE PERFORMANCE 12

(Fine Arts) (4 credits) (MDNP-12)

An opportunity for students who wish to continue performing at an advanced level in various dance styles and are committed to participate in all school performances. Students will learn more extensively about dance history and dance critique to open up their minds to the diversity the dance world has to offer.

CHOREOGRAPHY 11

(Fine Arts) (4 credits) (MDNC-11)

Students who have developed their skills in various dance forms and are ready to take on more of a leadership role may register for this course. They will be required to perform as well as lead small group choreographies for school performances. Student choreographers will learn how to create innovative pieces using various choreographic skills and methods.

CHOREOGRAPHY 12

(Fine Arts) (4 credits) (MDNC-12)

Well seasoned dancers who would like a challenge in choreographing are invited to pursue their creative abilities in this area. They will learn to choreograph and teach choreographies performed at various school performances. This class will require the student to create more advanced choreographies and to take on a leadership role in the training of dancers. An emphasis will also be placed on using technology and computer applications to choreograph cutting-edge pieces.

Fine Arts: Drama, Theater and Film

DRAMA 9

(Fine Arts) (MDR--09)

Drama 9 is an introductory performance course, which aims to develop teamwork, confidence building, and creativity. This class will involve vocal and physical warm ups, character development, improvisation, lip synchs, murder mysteries, and holiday scenes. While there is little written homework, students are required to memorize lines and rehearse their assigned scenes outside of class time. There will be several performance opportunities throughout the year.

THEATRE PERFORMANCE 11

(Fine Arts) (4 credits) (MTPA-11)

Theatre Performance 11 concentrates on training the actor's instruments: body and voice. A large component of this course is on script analysis and performance. Students are required to perform small group scenes and monologues. In addition, students will have the opportunity to participate in various collaborative play-building projects and evening performances.

THEATRE PERFORMANCE 12

(Fine Arts) (4 credits) (MTPA-12)

Theatre Performance 12 is a continuation of Theatre Performance 11. The course entails a further exploration of text work, character analysis, and acting styles. In addition, students will have the opportunity to participate in various collaborative play-building projects and evening performances.

DIRECTING & SCRIPT DEVELOPMENT 12

(Fine Arts) (4 credits) (MTPDS12) & (MTPDS12A)

In this course students will build upon the acting skills developed in Theatre Performance 11 and 12. Working in groups with younger peers, students will develop their leadership skills to direct creative and polished theatre performances. Various opportunities will be provided for students to write, perform, and direct scenes and monologues. Students enrolled in this course are required to also sign up for MTPDS12A, which is an extra directing block for student-directors to direct their younger peers in a different block. Throughout the school year, students will switch between their regular directing block and extra directing block. In the regular MTPDS12 block students will work together on their directing, acting and script development skills, and rehearse for the school plays.

THEATRE PRODUCTION 11: TECHNICAL THEATRE

(Applied Skills) (4 credits) (MTPR-11)

Theatre Production 11 is an introduction to Stagecraft, which may include the history of theatre, types of theatres, stage rigging, prop construction, make-up, set construction, and stage lighting. Much of the course will be laboratory in nature, allowing students to develop and apply the practical skills of stagecraft. Students in this course must be able to work independently on the technical aspects of the major school productions and be available for regular rehearsals and performances, which could take place before school, in-class, lunch, after school and/or evenings.

Prerequisite: Permission of Instructor

THEATRE PRODUCTION 12: TECHNICAL THEATRE

(Applied Skills) (4 credits) (MTPRT12)

Theatre Production 12 is a continuation of Theatre Production 11. Much of the course will be laboratory in nature, allowing students to develop and apply the practical skills of stagecraft. Students in this course must be able to work independently on the technical aspects of the major school productions and be available for regular rehearsals and performances, which could take place before school, in-class, lunch, after school and/or evenings. In addition, students will be given greater responsibilities in the technical, design and/or production components of various school productions.

Prerequisite: Permission of Instructor

ACTING FOR FILM & TELEVISION 11

(Fine Arts) (4 credits) (MDFT-11)

Acting for Film and Television 11 provides opportunities for students to develop the knowledge, skills, and attitudes they need in order to respond to and create film and television works. Students gain practical experience in some of the industry areas, including acting on camera, writing screenplays, creating storyboards, and eventually editing and production. Students will act in music videos, commercials, and create many short films. Film assignments will be presented at lunch viewings, Hands Up shows at Centennial Theatre, and the Annual Handsworth Film Festival.

\$30.00 for supplementary materials.

ACTING FOR FILM & TELEVISION 12

(Fine Arts) (4 credits) (MDFT-12)

Acting for Film and Television 12 is a continuation of Acting for Film and Television 11. The course is a further exploration of acting for and working with the camera. Students will create movie trailers, recreate famous films scenes, and write and produce longer original films. Film assignments will be presented at lunch viewings, Hands Up shows at Centennial Theatre, and the Annual Handsworth Film Festival. Grade 12 students who have not taken the Acting for Film and Television 11 course may sign up for this course and be scheduled with their grade 12 peers.

\$30.00 for supplementary materials.

Fine Arts: Music

JUNIOR GOLD CONCERT BAND 8/9

(Fine Arts) (MMU--08ACB) (MMU--09-CB)

Grade 9 beginners with some music experience are welcome.

The Junior Gold Concert Band is designed as a natural progression from the Junior Blue Concert Band 8. It includes grade 9 students as well as some advanced grade 8 students. In addition to scheduled large group classes, the group occasionally meets throughout the year in specialty sectionals. Students self-organize and rehearse as a small group ("chamber ensemble") during second term. Co-curricular rehearsals, functions and performances are common, and attendance and full participation are expected from all members. A list of uniform requirements and music supplies will be provided by the teacher at the beginning of the course. **Prerequisite Elementary Band. \$40.00 for supplementary materials**

INTERMEDIATE CONCERT BAND

(Fine Arts) (MMU--09ACB)

(4 credits) (MIMCB-10)

The Intermediate Concert Band is designed for grade 10 students as well as some advanced grade 9 students. In addition to scheduled large group classes, the group occasionally meets throughout the year in specialty sectionals. Students self-organize and rehearse as a small group ("chamber ensemble") during second term. Co-curricular rehearsals, functions and performances are common, and attendance and full participation are expected from all members. There is a uniform requirement. There is an opportunity of a band tour every year. **(Grade 10 beginners with some music experience are welcome). \$40.00 for supplementary materials**

SENIOR WIND ENSEMBLE 11/12

(Fine Arts, Applied Skills 11) (4 credits) (MIMCB11) (MIMCB12)

(Grade 11 & 12 beginners with some music experience are welcome)

The Senior Winds perform at a top high school level, just below university level. In addition to scheduled large group classes, the group occasionally meets throughout the year in specialty sectionals. Students self-organize and rehearse as a small group ("chamber ensemble") during second term. Co-curricular rehearsals, functions and performances are common, and attendance and full participation are expected from all members. There is a uniform requirement. There is an opportunity of a major band tour every second year (grade 11 or 12), and an opportunity to participate in the annual Senior Winds retreat weekend every year.

\$40.00 for supplementary materials

JUNIOR GOLD JAZZ BAND 9

(Fine Arts) (MMU--09-JB)

Junior Gold Jazz Band offers Grade 9 students the opportunity to continue jazz at a higher level than the grade 8 Junior Blue Jazz Band. The Junior Gold Jazz Band is for students who have already played in a jazz band or students who have never played in a jazz band before but are advanced players of a band instrument. A jazz band is a team made up of a horn section: saxes, trumpets, and trombones, and a rhythm section: guitar, piano, bass, and drums. The alto, tenor, and baritone saxes at Handsworth are typically students that play flute, clarinet, or bass clarinet as their first instrument. Sax players in jazz band will need to be able to "double" on flute or clarinet as they progress to the higher levels of jazz band. French horn players play trumpet in the jazz band. Baritone horn players play trombone and tuba players play bass trombone. The rhythm section instruments can be played by any one with guitar, piano, bass, percussion skills, or by those students wishing to develop such abilities. Jazz Band is taken concurrently with Concert Band (or Strings) each year. Select "Jazz Band" on your course selection form as a 9th course. The Blue Jazz Band program includes participation in a music festival as well as a music tour.

\$40.00 for supplementary materials

Choir 8-12

(Fine Arts) (4 credits) (MMU--08) (MMU--09-CC) (MMCC-10) (MCMCC11) (MCMCC12)



This choir course encompasses a wide range of repertoire from the Renaissance to contemporary, African, spirituals, and popular music. A major force in the class will be on developing indolence in part singing (singing harmonies). There will be some opportunities for students to perform solos. Students will learn vocal technique, music theory, and reading and they will need to take part in live performance including choral festival and evening concerts. This course will be scheduled off the timetable. An uniform is required.

\$40.00 for supplementary materials

INTERMEDIATE JAZZ BAND 10

(Fine Arts) (4 credits) (MMJB-10INT)

Intermediate Jazz Band offers Grade 10 students an introduction to the jazz and rock “idioms”. Students will learn the basics of jazz improvisation and solo playing. Those who elect this course will also be taking a concert band course concurrently at Handsworth. Extra individual practice above that required for concert band is expected, as is attendance at co-curricular sectionals, full rehearsals, and all performances. Fundamentals of jazz theory are covered. Individual evaluations take place three times per year. Since jazz ensembles are limited in size, auditioning may be necessary. There is a uniform requirement. There is the opportunity for group travel every year.

\$40.00 for supplementary materials

SENIOR JAZZ BAND 11/ 12

(Fine Arts) (4 credits) (MIMJB11) (MIMJB12)

Senior Jazz Band offers Grade 11 and 12 students a very challenging exposure to the Big Band Jazz idiom. Solo playing and improvisation will be expected from all members. Those who elect this course are expected to be concurrently taking Senior Concert Band at Handsworth. Extra individual practice above that required for Concert Band is expected as is attendance at co-curricular sectionals, full rehearsals, and all performances. Fundamentals of jazz theory are covered. Individual evaluations take place three times per year. There is a uniform requirement. The group attends a local music festival and there is an opportunity for group travel each year.

\$40.00 for supplementary materials

ORCHESTRAL STRINGS: CONCERTI AND CHAMBER STRINGS

(Fine Arts) (4 credits) (MIMOS11--A, MIMOS11--C) (MIMOS12--A, MIMOS12--C)

MOS 11 and 12 are offered for students who wish to advance their musicianship skills on orchestral stringed instruments. Students have the opportunity to audition for the advanced level Concerti Strings where the music of all styles and genres will be explored, or the most advanced performing ensemble: the Handsworth Chamber Strings with an emphasis on professional level repertoire for strings. Student-instigated musical leadership, developing independent advanced ensemble skills, and a high degree of self-critique will be cultivated. Instruments include the violin, cello, and string bass. Experienced classical guitarists, harpists and pianists must audition before admission. Emphasis is placed on the enjoyment of music making with friends in a safe and caring environment. Students will be involved in continued mastery of their string instrument skill, develop performing skills, and work together in cooperation in a group including the opportunity for trips and concerts. Some emphasis may be placed on self-directed music composition, history studies, alternative strings music, and multi media integration.

MUSIC ORCHESTRAL STRINGS 10 CONCERTI AND CHAMBER STRINGS

(Fine Arts) (4 credits) (MMOS-10--A) (MMOS-10--C)

Students in Grade 10 are either part of the Concerti Strings Orchestra or Chamber Strings group. Students will work for continued mastery of their orchestral stringed instrument skill as they progress to more advanced levels of playing. Developing performing skills and working together in cooperation in a group are stressed. Students will have the opportunity to audition for the advanced Concerti Strings or most advanced performing ensemble, the Handsworth Chamber Strings. Instruments include the violin, viola, cello, and string bass. Experienced classical guitarists, pianists and harpists are welcome and must audition before admission. Emphasis is placed on the enjoyment of music making with friends in a safe and caring environment. Developing mastery of music theory and history at an appropriate grade level is an important component leading to success in music making. Music of all styles and genres is explored.

MUSIC ORCHESTRAL STRINGS 9 TOCCATI, CONCERTI STRINGS AND CHAMBER STRINGS

(Fine Arts) (MMU--09TST) (MMU--09CST) (MMU--09AST)

Students will be involved in continued mastery of their orchestral stringed instrument skill as they progress to more advanced levels of playing. Developing performing skills and working in cooperation are stressed. Students will have the opportunity to audition for the advanced level Concerti Strings or most advanced performing ensemble, the Handsworth Chamber Strings. Instruments include the violin, viola, cello, and string bass. Experienced classical guitarists, pianists and harpists are welcome and must audition before admission. Emphasis is placed on the enjoyment of music making with friends in a safe and caring environment. Developing mastery of music theory and history at an appropriate grade level is an important component leading to success in music making. Music of all styles and genres is explored.

French Immersion Program

“LE PROGRAMME D’IMMERSION”

All courses offered in French Immersion are taught entirely in French supplemented with French resources.

EDUCATION PHYSIQUE 9

(French Immersion) (FEPHF09)

The Grade 9 Physical Education classes are grouped in a co-ed setting to give students some choice in their activities. The units include activities which further reinforce the development of movement education, active living, and personal and social responsibility of Physical Education 8. Activities may include basketball, dance, field hockey, tennis, minor games, outdoor games, softball, inline skating, first aid (fee) and volleyball. Fitness is an integral part of all activities. This course will be taught entirely in French.

\$10.00 for supplementary materials

FRANÇAIS LANGUE 9

(French Immersion) (FFRAL09)

The students will continue to build on the skills learned in Français 8. A minimum of two novels will be studied. Course content will be taught in the context of communicative activities. Emphasis will be placed on critical and creative thinking.

SCIENCES HUMAINES 9

(French Immersion) (FSCHF09)

This course focuses on the movement to a democratic and industrial world in Europe and its expansion to North America between 1500 and 1815. First Nations’ cultures in early North America will be studied together with European exploration and settlement. Geography concepts will complement the historical events covered. The course is taught entirely in French.

SCIENCES NATURELLES 9

(French Immersion) (FSCF-09)

Sciences Naturelles 9 is part of the Immersion Programme. The course is taught entirely in French and includes the use of a French language textbook and other French language materials. The students will develop the same skills and cover the same curriculum as in the English program. Science 9 continues the study of Biology, Chemistry, Physics, and Earth Science. The Biology unit focuses on cell division and reproduction; Chemistry investigates atoms, elements and compounds; Physics pursues the characteristics of static and current electricity; Environmental Science will cover energy and matter cycles in biotic and abiotic components of ecosystems. Textbooks and the year-end examination are translations of those used in the English program.

FRANÇAIS LANGUE 10

(French Immersion) (4 credits) (FFRAL10)

The students will continue to build on the skills learned in Français 9. In addition, they will learn to write descriptive essays, and study the etymology of words. A minimum of two novels will be studied. Course content will be taught in the context of communicative activities. Emphasis will continue to be placed on critical and creative thinking.

SCIENCES HUMAINES 10

(French Immersion) (4 credits) (FSCH-10)

Sciences Humaines 10 examines the factors which have shaped our country from 1815 to 1911. Students will explore the issues which led to Confederation and beyond from a geographical, historical and economic perspective. This course is sometimes complemented with an historical two-day rafting trip down the Thompson River from Ashcroft to Lytton where students will relive Canadian History. The course is taught entirely in French.

SCIENCES NATURELLES 10

(French Immersion) (4 credits) (FSCF-10)

Sciences Naturelles 10 is part of the Immersion Programme. The course is taught entirely in French and includes the use of a French language textbook. The students will develop the same skills and cover the same curriculum as in the English program. Science 10 extends knowledge of Biology, Chemistry, Physics and Earth Science. Biology emphasizes sustaining the earth's ecosystems. Chemistry concentrates on the Periodic table, ionic compounds, organic compounds and chemical reactions. Physics studies motion - specifically velocity and acceleration. Earth Science focuses on energy transfer in natural systems, climate change and plate tectonics. The french version of the government exam is worth 20% of the total mark.

PLANIFICATION 10

(French Immersion) (4 credits) (FPLAN10)

All Grade 10 students must complete Planning 10 in order to satisfy graduation requirements. This course is equivalent to Planning 10 with instruction in French; it is required for all French Immersion students as an opportunity to further enhance their French language skills, particularly in the areas of vocabulary and oral fluency.

Planification 10 will cover a broad range of topics including: introduction to Graduation Transition requirements, Education and Careers, Health and Finances. The aims of the course are to enable students to:

1. develop the skills they need to become self-directed
2. take ownership of their own health and learning
3. set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life
4. create a plan for their growth and development as skilled, healthy, knowledgeable, citizens

FRANÇAIS LANGUE 11

(French Immersion) (4 credits) (FFRAL11)

Language skills include composing a short story, exchanging letters of opinion, and conducting debates. Included in the literature component are short stories, poetry, and two novels. The students will learn to examine reading material critically and to think and express themselves creatively. Course content is taught in the context of communicative activities. Equal emphasis is placed on listening, speaking, reading, and writing.

SCIENCES HUMAINES 11

(French Immersion) (4 credits) (FSCH-11)

This course includes a study of the history of Canada from 1910 to current times, with an emphasis on the economy and the governing of Canada both internally and externally. The geography component deals with population and urban issues. Sciences Humaines 11 is part of the Immersion Program and is taught entirely in French. All four skills (writing, reading, listening, and speaking) are emphasized in the strategies used. This course has a provincial exam worth 20% of the total mark.

FRANÇAIS LANGUE 12

(French Immersion) (4 credits) (FFRAL12)

Français Langue 12 is part of the Immersion Program. The students must complete this course in order to receive a French Immersion Certificate. The literature component includes two novels, a play, poetry, and short stories. Equal emphasis continues to be placed on the four skills: listening, speaking, reading, and writing. This course has a provincial exam worth 40% of the total mark.

AP FRENCH 12

(French Immersion) (4 credits) (AFRL-12)

This course is designed to provide an advanced course to students who are willing to accept challenges to exceed their language abilities. The course will develop the four skills of listening, speaking, writing and reading equivalent to a college level course in French language. The students will study two novels during the year. They will also be exposed to a variety of authentic materials such as textbooks, software, multimedia CD-Rom, Web sites and articles from newspapers. Upon completion of French 12 AP (and after achieving a score of 4 or 5 on the AP exam) students may be granted credit at some universities. **\$140.00 AP Exam Fee.**

Home Economics Department

TEXTILES 9

(Applied Skills) (MTXT-09)

Students will have fun learning how to read patterns in order to create three projects within the year. We start with a machine sewn project that uses woven fabric and we move on to using knit fabric in the second project. Students will have an opportunity to choose their own item for the last project. Fundamental sewing skills are taught through demos and hands on practice. Throughout the year we will look at different aspects of textiles and fashion including fabric composition and quality, choice and care, clothing design choices and patterns modification. We also look at up cycling and alternative uses for old textiles. Students are required to purchase fabric and supplies. Some fabrics is available in class at a discounted rate.

TEXTILES 10

(Applied Skills) (4 credits) (MTXT-10)

Students who have completed Textiles 9 are able to choose, in consultation with the teacher, their own projects. Students in grade 10 who do not have basic skills will follow a more directed course in garment making which will enable them to work towards their own choices.

TEXTILE STUDIES 11

(Applied Skills) (4 credits) (MTXT-11)

Textiles Studies 11 is an individualized program designed for students who have had some experience with standard construction techniques. Projects may include a pair of pants, a craft project, casual or athletic wear and projects with a variety of applied art forms. Students are required to purchase fabric and supplies. Completion of Textiles 10 an asset.

TEXTILE STUDIES 12

(Applied Skills) (4 credits) (MTXT-12)

Textiles Studies 12 is an individualized, self-paced tailoring course, featuring a suit or coat. Students may use either the traditional method of tailoring or newer construction techniques. Students are encouraged to be creative in the selection of their next project which should be made from a hard-to-handle fabric. Students are required to purchase fabric and supplies. Completion of Textiles 11 an asset.

FOODS AND NUTRITION 9

(Applied Skills) (MFDN-09)

The aim of Foods and Nutrition 9 is to expand on concepts introduced in Foods and Nutrition 8. The course explores multiple units of work and will cover a wide variety of skills, knowledge, and creativity. These will include several of the following: kitchen safety and sanitation, kitchen basics, role of common ingredients in food preparation, use of appropriate cooking techniques to produce healthy dishes, nutrition and other contributing factors to health, use of Canada's Food Guide to healthy Eating to plan and create simple nutritious food, identification and explanation of nutrient functions, identification and comparisons of ingredients and the nutritional value in commercial food products. Students are required to bring some of their own supplies for some labs.

\$60.00 for supplementary materials

FOODS AND NUTRITION 10

(Applied Skills) (4 credits) (MFDN-10)

The aim of Foods and Nutrition 10 is to expand on concepts introduced in Foods and Nutrition 9. The course explores multiple units of work and will cover a wide variety of skills, knowledge, and creativity. These will include several of the following: kitchen safety and sanitation, kitchen basics, role of common ingredients in food preparation, use of appropriate cooking techniques to produce healthy dishes, nutrition and other contributing factors to health, use of Canada's Food Guide to healthy Eating to plan and create simple nutritious food, identification and explanation of nutrient functions, identification and comparisons of ingredients and the nutritional value in commercial food products. Recipes will be different and more complicated than those in Foods 9. There will be a greater emphasis on meal planning. Students are required to bring some of their own supplies for some labs.

\$60.00 for supplementary materials

FOODS AND NUTRITION 11

(Applied Skills) (4 credits) (MFDN-11)

This Chef Skills course is designed for those students who want to “kick it up a notch” in terms of their own food preparation skills. Baking, stocks, soups and sauces, pasta, one-dish meals and candy making are just a few of the areas where recipe development and advanced culinary techniques are studied and practiced. Students create a recipe file for lifelong use that encourages the development of healthy eating strategies. Students are required to bring some of their own supplies for some labs. Completion of Food Studies 10 is an asset.

\$65.00 for supplementary materials

FOODS AND NUTRITION 12

(Applied Skills) (4 credits) (MFDN-12)

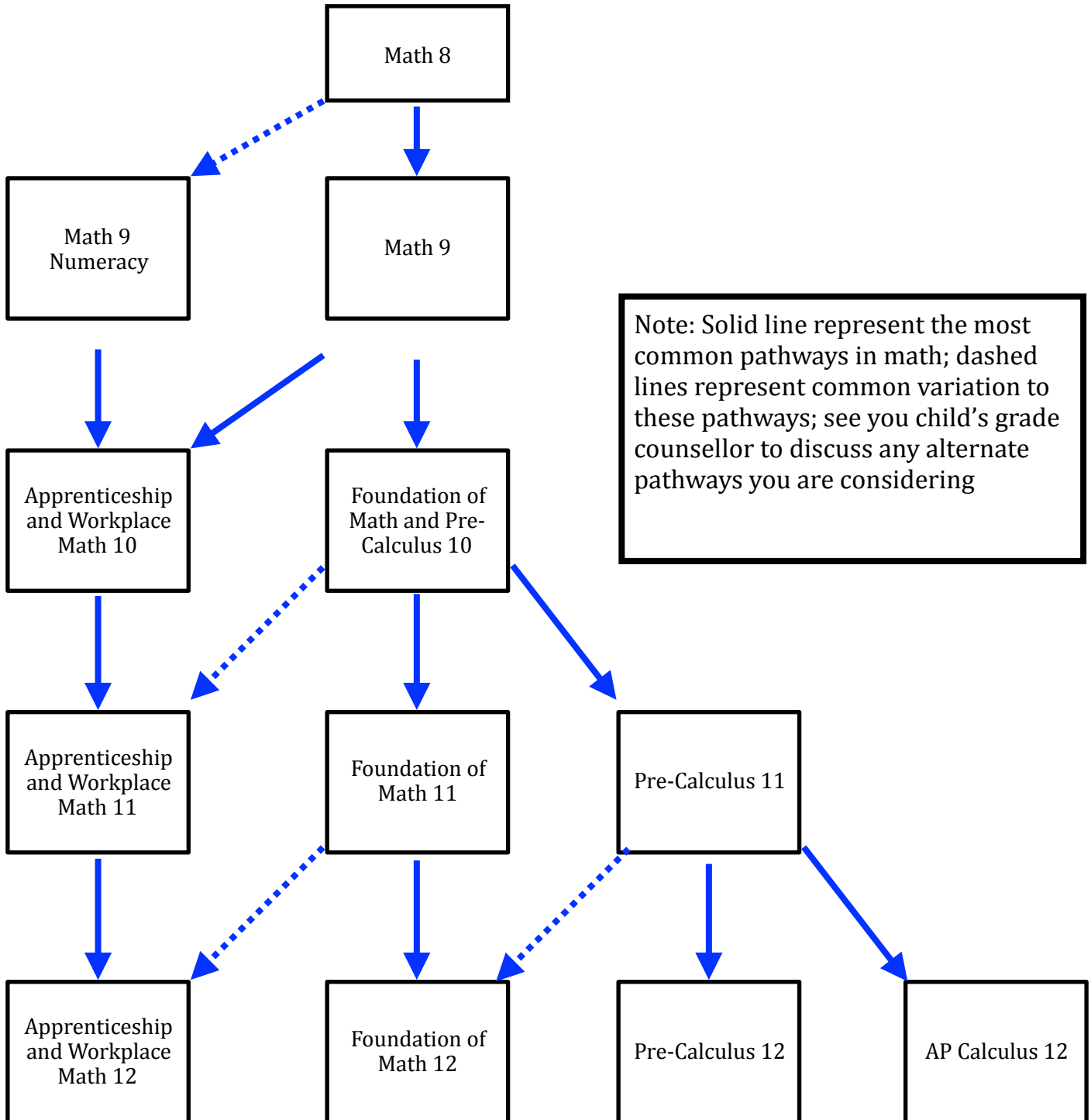
Designed for students who have succeeded in previous foods and nutrition classes, this course builds on skills already achieved and offers the serious student an opportunity to specialize. Bread making, quantity foods and catering are examples of areas from which students may choose for independent study and skill achievement. In addition, community and global food connections will be researched. Students are required to bring some of their own supplies for some labs. Completion of Food Studies 11 an asset.

\$65.00 for supplementary materials

Mathematics

Flowcharts Of Mathematics At Handsworth

At the grade 10 level, Foundations of Mathematics and Pre-Calculus is the starting point for both the Foundations of Mathematics and Pre-Calculus pathways. When choosing a pathway, students should consider their interests, both current and future. Students and parents are encouraged to research the admission requirements for post-secondary programs of study as they vary by institution and by year.



NOTE ON THE USE OF CALCULATORS

Any student who is unable to perform arithmetic calculations and algebraic operations with accuracy and reasonable speed is severely handicapped in the study and application of mathematics. The use of inexpensive pocket calculators makes the performance of complicated calculations less tedious, but does not lessen the need for students to understand which concepts and operations are needed to solve a problem, to make sensible estimates, and to analyze their results. As a guide to students and parents, there are notations to calculator usage on course outlines distributed at the beginning of the school year.

Scientific calculators are highly recommended for all grade 9 and 10 mathematics courses (with fraction and trigonometric keys). A graphing calculator is highly recommended for Pre-Calculus 11, Foundations of Math 12, Pre-Calculus 12 and Calculus 12. Calculator instruction will be conducted with a TI-83 graphing calculator.

MATHEMATICS 9

(Math) (MMA--09)

The main goals of Mathematics 9 are to prepare students to: use mathematics to solve problems, communicate and reason mathematically, make connections between mathematics and its applications, appreciate and value mathematics. Topics include problem solving, numbers sense, patterns, algebra, measurement, transformations, geometry, data analysis, and probability.

MATH 9 NUMERACY

(Math) (MMA--09--N)

This is an alternate course to Principles of Mathematics 9 that covers numbers and number operations, data analysis, geometry, measurement and algebra but at a much less intense level than Principles of Mathematics 9. Students would proceed to Apprenticeship and Workplace Mathematics 10 if successful.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10

(Math) (4 credits) (MFMP-10)

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11. Topics include problem solving, number and algebra, relations, functions and measurement. **This course has a Provincial Exam worth 20% of the total mark.**

APPRENTICESHIP & WORKPLACE MATHEMATICS 10

(Math) (4 credits) (MAWM-10)

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include problem solving, number and algebra, geometry, measurement, statistics and probability. Students who earned 55% or lower in Math 9 are strongly encouraged to take MAWM-10. **This course has a Provincial Exam worth 20% of the total mark.**

APPRENTICESHIP AND WORKPLACE MATHEMATICS 11

(Math) (4 credits) (MAWM--11)

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into the majority of trades and for direct entry in the work force. Topics in AWM 11 include algebra, geometry, measurement, number, financial mathematics, interpreting graphs. Students who took MAWM-10 or students who earned 55% or lower in Foundations & Pre-Calculus 10 are strongly encouraged to take MAWM-11.

FOUNDATIONS OF MATHEMATICS 11

(Math) (4 credits) (MFOM-11)

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 in FOM 11 include geometry, measurement, logical reasoning, relations and functions, trigonometry, statistics and probability. A Texas Instruments TI-83/84/85 calculator may be recommended for the course.

PRE-CALCULUS 11

(Math) (4 credits) (MPREC-11)

This pathway is designed to provide students with the mathematical understanding and critical thinking skills identified for post secondary studies in programs that require the study of theoretical calculus (eg: Business, Sciences, Math and Engineering). Topics in Pre Calc 11 include trigonometry, sequences and series, rational expressions, systems, and quadratic, reciprocal and absolute value functions. A minimum mark of C+ in Foundations and Pre-Calculus 10 is strongly recommended. A Texas Instruments TI-83/84/85 calculator is highly recommended for the course.

APPRENTICE AND WORKPLACE MATHEMATICS 12

(Math) (4 credits) (MAWM-12)

This course is specifically designed to provide students with the mathematical understanding and critical-thinking skills identified for a career in the trades industries or for direct entry into the work force. Topics include measurement, trigonometry, geometric transformations, number puzzles, leasing or buying a vehicle, small business, linear relations, central tendency, and probability.

FOUNDATIONS OF MATHEMATICS 12

(Math) (4 credits) (MFOM-12)

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in the arts or the humanities. Topics include financial mathematics, logic with numbers, set theory, probability, combinatorics, data modelling and statistics, relations and functions. A minimum mark of C+ in Foundations of Math 11 or Pre-Calculus 11 is very strongly recommended. A Texas instruments TI-83/84/85 calculator is highly recommended for the course.

PRE-CALCULUS 12

(Math) (4 credits) (MPREC-12)

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus (eg: Business, Sciences, Math or Engineering). Topics include trigonometry, relations and functions (exponential & logarithmic, polynomial, radical, rational, and transformations), and combinatorics. A minimum mark of C+ in Pre-Calculus 11 is very strongly recommended. A Texas Instruments TI-83/84/85 calculator is highly recommended for the course.

CALCULUS 12

(Math) (4 credits) (MCALC-12)

This course is designed for students interested in taking post-secondary calculus or pursuing careers in many diverse disciplines such as mathematics, business, engineering, the biological and physical sciences or the social sciences. Its purpose is to make the transition from high school to technical school, college or university less traumatic. Topics in Calculus include differentiation and integration of algebraic, exponential and logarithmic functions. Practical applications of these skills as they apply to business, physics and statistics are also pursued. Students enrolling in this course must select Pre-Calculus 12 unless previously completed. A minimum mark of a B in Pre-Calculus 11 is very strongly recommended. A Texas Instruments TI-83/84/85 calculator is highly recommended for the course.

AP CALCULUS 12

(Math) (4 credits) (ACAL-12)

An advanced placement course in Mathematics consisting of work in Calculus and related topics comparable to courses in colleges and universities. It is expected that students who take an AP course in Calculus will seek college credit or placement or both, from institutions of higher learning. The final examination will be written in early May. Calculus AP is intended for students who have a thorough knowledge of college preparatory Mathematics. Calculus AP is a course in introductory Calculus with elementary functions. Students enrolling in this course must also select Pre-Calculus 12 unless previously completed. A TI graphing calculator is highly recommended for the course. Upon completion of AP Calculus 12 (and after achieving a score of 4 or 5 on the AP exam) students may be granted credit at some colleges and universities.

\$140.00 AP Exam Fee

Modern Languages

FRENCH 9

(Modern Languages) (4 credits) (MFR--09)

French 9 continues the *Discovering French* series begun in French 8 with the next text in the series, *Discovering French Level 2*. Course content is taught in the context of communicative activities with a balance of speaking, listening, reading and writing skill development.

FRENCH 10

(Modern Languages) (4 credits) (MFR--10)

French 10 continues the *Discovering French* program by using the second part of the textbook *Discovering French Level 2*. All four language skills (listening, speaking, reading and writing) are fully practiced. Course content is taught in the context of communicative activities.

FRENCH 10 ENRICHED

(Modern Languages) (4 credits) (MFR--10--E)

French 10 Enriched offers the same curriculum as French 10 with additional opportunities for oral/aural practice. Classes are taught in French and require that students engage in a high level of participation. This course is for students who are willing to immerse themselves completely in learning the language. This course will be offered only if there is sufficient registration.

FRENCH 11

(Modern Languages) (4 credits) (MFR--11)

French 11 continues the *Discovering French* program with the third text in the series, *Discovering French Level 3*. Students will continue to develop their listening, reading, writing, and speaking skills. Grammar and vocabulary are taught in the context of communicative activities. Students will also expand their literacy skills and deepen their appreciation of French and Francophone culture.

FRENCH 11 ENRICHED

(Modern Languages) (4 credits) (MFR--11--E)

This course is designed for students with a special interest in French. French 11E offers the same curriculum as French 11 with more of an emphasis on oral and aural practice. Classes are conducted in French and students should be willing to speak French at all times, as well as participate actively. This course will only be offered if there is sufficient registration.

FRENCH 12

(Modern Languages) (4 credits) (MFR--12)

French 12 offers Core French students the opportunity to expand and develop their language skills. The emphasis of this course is on utilizing the basic skills that have been mastered throughout French 8-11; listening, speaking, reading, and writing skills are developed through the use of a variety of authentic documents. Grammar and vocabulary are taught in the context of communicative activities.

FRENCH 12 ENRICHED

(Modern Languages) (4 credits) (MFR--12--E)

French 12 Enriched follows the same curriculum as French 12; however, classes are taught entirely in French. This course emphasizes the listening and oral components of the study of the language. Students must be willing to speak in French at all times and engage in a high level of participation. French 12E is for students with a particular enthusiasm and desire to improve and perfect their fluency in the language. This course is dependent on sufficient student registration.

BEGINNING SPANISH 11

(Modern Languages) (4 credits) (MBSP-11)

This introductory course in Spanish is ideal for students in Grade 10, 11, and 12. While working with the *En Español 1* program students will learn basic grammar such as present, future and recent past tenses. Students also will be able to practice basic conversational skills where the focus is on speaking about family, friends, hobbies and school. Furthermore, students will be given the opportunity to explore various Hispanic traditions such as the popular “Dia de los muertos” and a typical “quincerañera” celebration.

SPANISH 11

(Modern Languages) (4 credits) (MSP--11)

Spanish 11 is a continuation of Beginning Spanish 11 and students will begin to expand their ability to use Spanish in real-world situations such as travelling to foreign destinations, exploring hispanic cultures (ie: market day in Oaxaca, Mexico) and talking about past experiences. Students will expand their grammar knowledge through real life every day vocabulary used to communicate realistic situations. Students will be given many opportunities to build their confidence with their listening comprehension skills.

SPANISH 12

(Modern Languages) (4 credits) (MSP--12)

Spanish 12 is a continuation of the En Español 2 program begun in Spanish 11. At this level students will continue to expand their vocabulary and grammar knowledge by focusing ever growing attention on listening comprehension and conversational skills. All of this is learned in the context of real life scenarios: going to the beach with friends, telling your siblings what chores to do, shopping in Spain, plans for post graduation etc. Be amazed at how good your Spanish skills are after three years!

Physical Education

PHYSICAL EDUCATION 9

(Applied Skills) (MPE--09)

The Grade 9 Physical Education classes are grouped in a co-ed setting to give students some choice in their activities. The units include activities which further reinforce the development of movement education, active living, and personal and social responsibility of Physical Education 8. Activities may include basketball, dance, field hockey, tennis, minor games, outdoor games, softball, inline skating, and volleyball. Fitness is an integral part of all activities.

\$10.00 for Supplementary Materials

PHYSICAL EDUCATION 10

(Applied Skills) (4 credits) (MPE--10)

The classes will be co-ed and multi-grade to give students more choice in their activities. The units include activities which further reinforce the development of movement education, active living and personal and social responsibility of P.E. 8, 9, 10 and introduce more complex skills and concepts. Fitness is an integral part of all activities.

\$20.00 for Supplementary Materials (Includes \$5 for First Aid Book and Certification)

PHYSICAL EDUCATION 11

(Applied Skills) (4 credits) (MPE--11)

The classes will be co-ed and multi-grade to give students more choice in their activities. The units include activities which further reinforce the development of movement education, active living and personal and social responsibility of P.E. 8, 9, 10. Fitness is an integral part of all activities. Students will have priority in the selection of activities. This will allow them to tailor the program to their needs and their abilities.

PHYSICAL EDUCATION 10 DANCE

(Applied Skills) (4 credits) (MPE--10--D)

For students who wish to focus on dance, get fit through this medium and participate in the bi-annual "Hands Up" dance performances. Different types of dance will be explored such as contemporary, lyrical, folk, jazz, hip hop, etc. An emphasis will be placed on promoting healthy living habits such as exercising as lifelong benefits. Come discover the fun in dancing!

PHYSICAL EDUCATION 10 CONDITIONING

(Applied Skills) (4 credits) (MPE --10-ST if taking for PE 10 credit) (YHRA-0A if taking as an elective)

The Sports Training 10 course is primarily a resistance training class that focuses on improvement with physical function. A student works with a training plan and sets goals in an effort to be quicker, faster, and stronger. The goal is safe whole body improvement with an emphasis on core stability. The class is **hard work** and **demanding desire and commitment**. The opportunity to individualize your training plan is a benefit to each student. The course will also touch on additional areas of fitness such as nutrition, rest, life skills, goal setting, physiology, and training principles. This course is a good fit for student athletes who wants to improve physical function or students who would like to improve how they feel about their body and their fitness.

\$5.00 for supplementary materials, guest instructors, and outside classes.

PHYSICAL EDUCATION 11& 12 CONDITIONING

(Applied Skills) (4 credits) (YHRA-1A, MPE--12ST)

The Sports Training 11/12 course is an extension of Sports Training 10. Students can continue with their physical development. Students can strive for individualized goals with regards to improvement in physical fitness and physical performance. Sports Training 11/12 is a physically and mentally demanding course that offers earned rewards for the motivated.

\$5.00 for supplementary materials, guest instructors, and outside classes.

PHYSICAL EDUCATION 10-12 CONDITIONING GIRLS

(Applied Skills) (4 credits) (YHRA-0A-G, YHRA-1A-G, YHRA-2A-G)

The Sports Training 10, 11, 12 course is primarily a resistance training class that focuses on improvement with physical function. A student works with a training plan and sets goals in an effort to be quicker, faster, and stronger. The goal is safe whole body improvement with an emphasis on core stability. The class is **hard work and demands desire and commitment**. The opportunity to individualize your training plan is a benefit to each student. The course will also touch on additional areas of fitness such as nutrition, rest, life skills, goal setting, physiology, and training principles. This course is a good fit for the student athlete who wants to improve physical function or any student who would like to improve how she feels about her body and their fitness. The girls Sports Training 10-12 block is a desire to cater more to girls and improve the environment for girls to work on their fitness.

\$5.00 for supplementary materials, guest instructors, and outside classes.

PHYSICAL EDUCATION 12

(Applied Skills) (4 credits) (MPE--12)

Physical Education 12 involves students in coeducational activities. They will participate in recreation and fitness related activities including aquatics, aerobics, curling, golf, karate, outdoor pursuits, racquetball and scuba diving. Students will also be involved in service work for both the school and community. Students must complete a course in Safety Oriented First Aid including CPR. Participation in all these activities will promote the development of leadership skills. PE 12 promotes a multifaceted approach conducive to an active, healthy lifestyle.

\$100.00 for supplementary materials and First Aid Certification

FITNESS 11/12

(Applied Skills) (4 credits) (MPE--11-F) (MPE--12--F)

Fitness 11/12 is a course designed to improve students' general level of fitness through non-traditional Physical Education methods. This course is geared towards students who are enthusiastic and motivated to learn and develop life-long fitness practices. Some of the activities offered will be step aerobics, yoga, pilates, spinning, core work, interval training, boot camp, and nutritional education. In this course, the harder students work, the more they will achieve.

Prerequisite: PE 10

\$100.00 for supplementary materials, guest instructors and outside classes

ATHLETIC LEADERSHIP 11/12

(Applied Skills) (4 Credits) (YHRA-1B) (YHRA-2B)

Athletic Leadership 11/12 is offered for highly motivated students who wish to enhance their leadership skills while working with the Handsworth Athletic Program. Students will be part of a Student Athletic Department that will work closely with the Handsworth Athletic Coordinator, as well as coaches and athletes to enhance the athletic opportunities for Handsworth students.

Athletic Leadership students will be involved in:

- Activities which support teams by working closely with coaches, managers and/or sponsor teachers
- Programs to promote student athlete recognition
- Development of programs for sport officiating
- Administrative tasks assigned by the Athletic Coordinator
- Intramural support
- Scorekeeping
- Athletics website development and upkeep
- Maintenance of trophy cases
- Promotion of school athletic events

With only one section of the course being offered each school year, students may be required to apply for entry into the course. Successful applicants would be *expected to be available for numerous athletic events which occur outside the regular school day.*

Science

SCIENCE 9

(Science) (MSC--09)

Science 9 continues the study of Biology, Chemistry, and Physics. The Biology unit focuses on cell division and reproduction; Chemistry investigates atoms, elements and compounds; Physics pursues the characteristics of static and current electricity; Environmental Science will cover energy and matter cycles in biotic and abiotic components of ecosystems.

SCIENCE 10

(Science) (4 Credits) (MSC--10)

Science 10 extends knowledge of Biology, Chemistry, Physics and Earth Science. Biology emphasizes sustaining the earth's ecosystems. Chemistry concentrates on the Periodic table, ionic compounds, organic compounds and chemical reactions. Physics studies motion, specifically velocity and acceleration. Earth Science focuses on energy transfer in natural systems, climate change and plate tectonics. A final government exam is written and worth 20% of the student's mark.

BIOLOGY 11

(Science) (4 Credits) (MBI--11)

Biology 11 includes the study of the scientific method, classification, evolution and adaptation, viruses, bacteria, primitive to flowering and cone-bearing plants. Animals are surveyed, simple to complex, involving microscopic analysis and dissection. It is strongly recommended that students planning on post secondary studies in Biology enrol in Biology 11.

EARTH SCIENCE 11

(Science) (4 Credits) (MESC-11)

Earth Science 11 is a survey course designed to introduce students to the diverse aspects of earth and space science, and offers applications to the real world. Earth science topics include rocks and minerals, plate tectonics, volcanoes, earthquakes, ocean and weather sciences. Space science topics include planets and the solar system, stars, galaxies, and deep space objects such as quasars and black holes. If you like learning about our planet and space science, this course will be an interesting way to obtain the Grade 11 science course credit toward graduation. If you are considering earth science as an academic field, career, or a vocation, this course will also give you the basis for an informed decision.

BIOLOGY 12

(Science) (4 credits) (MBI--12)

Biology 12 involves a study of the following topics: cell biochemistry, human physiology of major body systems (including endocrine, digestion, circulation, reproduction and nervous), homeostasis in living organisms, and dissection of a fetal pig.
(Recommended: BI 11 C+ or higher)

CHEMISTRY 11

(Science) (4 credits) (MCH--11)

Chemistry 11 extends the student's knowledge of chemistry concepts, skills, and techniques. Topics include the mole concept, solutions, chemical reactions and organic chemistry. Considerable laboratory time is spent on experiments, developing skill in observation, measurement and analysis. Abilities in problem solving, chemical calculations and lab report writing are also developed.

CHEMISTRY 11 ENRICHED

(Science) (4 credits) (MCH--11--E)

The course will cover a general introduction to chemistry, the mole concept, reactions and stoichiometry, states of matter, atomic structure and bonding, solutions and their properties, as well as basic organic chemistry. Many topics are covered in greater depth than the regular Chemistry 11 course, and the course has a faster pace. It is recommended students considering Chemistry 11 Enriched have a strong standing in Science 10 (MSC-10), Math 10 (MFMP-10), and are strongly advised to consult with, and receive the recommendation of, their current science teacher. Students planning to take Chemistry 12 AP in the future are encouraged to take this course.

CHEMISTRY 12

(Science) (4 credits) (MCH--12)

Chemistry 12 is a continuation of concepts, skills, and techniques stressed in Chemistry 11. Topics include reaction kinetics, chemical equilibrium, solubility, acid-based chemistry, and oxidation/reduction. Lab work and problem assignments continue the development of skills in measurement, lab report writing, analysis and chemical calculations. **(Recommended: Chem 11 C + or higher)**

AP CHEMISTRY 12

(Science) (4 credits) (ACHE-12)

Topics include reaction kinetics, chemical equilibrium, solubility equilibrium, acid-base chemistry and electrochemistry. It is a fast-paced course, intended for students planning a career in the sciences and engineering fields. Students taking ACHE-12 will be writing the AP Chemistry examination in mid May. Upon completion of AP Chemistry 12 (and after achieving a score of 4 or 5 on the AP exam) students may be granted credit at some colleges and universities.

\$140.00 AP Exam Fee

PHYSICS 11

(Science) (4 credits) (MPH--11)

Physics 11 includes the study of kinematics motion, dynamics (forces), momentum, energy (mechanical, heat and light), waves, nuclear fission and fusion, and relativity. Optional units include electricity, sound and electrostatics. Students will develop skills in observation, measurement and analysis through laboratory experiments.

PHYSICS 12

(Science) (4 credits) (MPH--12)

Physics 12 is a continuation of concepts and skills developed in Physics 11. The course content covers Newtonian Mechanics in two dimensions; including rotational motion, as well as electrostatics, circuits and electromagnetism. Concepts are taught through a combination of lectures, projects, labs and discussions. Because Physics 12 is a senior academic science course, there will be a greater expectation placed on students. (Recommended: 73% or higher in Physics 11 and Math Pre-Cal 11)

AP PHYSICS 2

(Science) (4 credits) (APHH-12)

AP Physics 2 course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore topics such as fluids; thermodynamics; electrostatic; electrical circuits with capacitors; magnetic fields; electromagnetism; optics; and quantum, atomic and nuclear physics. This course is taken in grade 12. Students should have taken AP Physics 1 or comparable course. Upon completion of AP Physics 1 and AP Physics 2 students will receive 4 extra credits and may be granted college credit if a score of 4 or 5 on the AP exams are achieved.

\$140.00 AP Exam Fee

Social Sciences

PSYCHOLOGY 11

(Social Sciences) (4 credits) (YPSYC1A)

Psychology 11 is a course about human nature. Students will try to unravel some of the mysteries of why people behave, think and feel as they do. Course content includes psychological theories, adolescent development, personality and abnormal psychology. The development of critical thinking skills will be introduced. Class participation and developing researching skills play a large role in student success in this course.

This course is for Grades 11/12 students only

Social Studies

SOCIAL STUDIES 9

(Social Studies) (MSS--09)

The purpose of Social Studies 9 is to develop student's growth as creative and knowledgeable Canadians and world citizens. It is an inquiry process that offers students the opportunity to develop, reinforce and expand upon geographical and historical knowledge, and skills that were introduced in Humanities 8. The critical thinking skills introduced will allow for information gathering from various sources; analyzing and interpreting resource; presenting and justifying your position on issues; decision making; and working cooperatively with others. The Social Studies 9 curriculum includes current events, social issues and philosophies that impact the development of Europe and North America from the 18th to 19th centuries.

SOCIAL STUDIES 10

(Social Studies) (4 credits) (MSS--10)

Social Studies 10 will build on the skills, processes, and themes introduced and developed in earlier Social Studies and Humanities classes. Social Studies 10 will focus on the 19th century regions and colonies that became Canada. Responsible governance, identity, social culture, economic development and environment will be examined both individually and in relationship to one another. First Nations culture and histories are also explored.

SOCIAL STUDIES 11

(Social Studies) (4 credits) (MSS--11)

Social Studies 11 is a multidisciplinary and integrated approach to Canadian and global issues. The focus is on historical and contemporary social, cultural, political, legal, economic and environmental issues. The geography section explores the impact of population growth, standards of living, and environmental issues facing Canada and the world. The section on government examines the structure and operation of Canada's federal, provincial and municipal governments. The history component looks at the forces that have united and divided Canadians during the twentieth century. This course has a provincial exam that is worth 20% of the total mark.

HISTORY 12

(Social Studies) (4 credits) (MHI--12)

History 12 is an interesting, academic elective that provides a comprehensive study of the major events of the 20th Century. Through analysis of WWI, the Inter-war period, WWII, the cold war, and the collapse of the USSR, the intent is to provide an understanding of the current world situation. The course allows students to discuss and debate past and current affairs.

GEOGRAPHY 12

(Social Studies) (4 credits) (MGEO-12)

Geography 12 is an academic but practical course that offers students a look into the workings of our planet. In geography we will examine a variety of global concepts such as the weather and look into how it works, and study how climate change impacts us and the rest of the world. We will examine weathering and the formation of the earth's crust and learn about earthquakes and their associated phenomenon. We will learn how the earth is an interconnected system and how the atmosphere impacts the biosphere, and how water and the oceans are connected to all living things on Earth. Geography 12 also examines issues of natural resources management and environmental sustainability thus allowing students to gain a better understanding of the world and our place in it.

LAW 12

(Social Studies) (4 credits) (MLAW-12)

Law 12 introduces students to the basics of Canadian Law: our judicial system, court procedure, criminal law, civil law, and youth law. During the year, students will be exposed to several famous cases, prominent guest speakers, and student debates. Involvement is essential as actual cases, and discussions are frequently utilized to provoke thought.

COMPARATIVE CIVILIZATIONS 12

(Social Studies) (4 credits) (MCCN-12)

Comparative Civilizations 12 is a unique history course as it allows students to immerse themselves in the day-to-day life of people from ancient times. We cover topics including: mythology and religious belief; citizenship and government; social class and status; and gender roles (including ideals, status, and 'heroes'). We also discuss: cultural traditions, entertainment, and past times; art and architecture; and major historical events. Our main focus is on the civilizations of Classical Greece, Ancient Rome, and Ancient Egypt; however, students have the option for additional study units focusing on the Maya, the Vikings, and Feudal Japan. These civilizations will be compared and contrasted to each other and our own modern society as the class defines, evaluates, and reflects upon the nature of civilization.

BC FIRST NATIONS STUDIES 12

(Social Studies) (4 credits) (MFNS-12)

In BC First Nations 12 students explore the richness and diversity of BC's numerous First Nations cultures. Students examine all aspects of these fascinating cultures including traditional beliefs, expectations and values; artistic expression; connection to the land and nature; and historical perspectives. Guest artists, field trips and authentic teaching and learning methods are used for enrichment whenever possible. On completion of the course, students will have gained valuable cultural knowledge for themselves and excellent preparation for university level anthropology and social science studies. This course has a provincial exam worth 20% of the final grade.

Technology Education

DRAFTING 9

(Applied Skills) (MTE--09D)

(4 credits) (MTED-10)

Drafting/Design Technology 9 students learn the basic techniques of drafting including orthographic and isometric drawing with an introduction to architectural drafting, design and industrial design. Through design, problem-solving skills are developed while working in a studio environment. With a computer at every station, emphasis will be placed on CAD (computer assisted drafting and design) using Auto Sketch, 3-D Rhino, Sketch Up and Chief Architect software.

\$10.00 for supplementary materials

DRAFTING 10

(Applied Skills) (4 credits) (MTED-10)

Drafting/Design Technology 10 students continue with the techniques of drafting with more emphasis on 3-D modelling. A project Based Learning methodology is used to have students explore the world of Architecture, Engineering and Industrial Design. With a computer at every station, emphasis will be placed on CAD (computer assisted drafting and design) using Auto Sketch, 3-D Rhino, Sketch Up and Chief Architect software.

\$10.00 for supplementary materials

DRAFTING 11

(Applied Skills) (4 credits) (MDD--11)

Drafting/Design Technology 11 is a studio course which concentrates on architectural design and presentation techniques. The basic principles and elements of design are introduced. Emphasis will be placed on CADD (computer assisted design and drafting) using Auto Sketch, Chief Architect and 3-D Rhino. Students are encouraged to explore the use of new technology including multi-media and 3-D imaging. Students will further develop their problem-solving skills and critical thinking skills while working both individually and in small groups. Completion of Drafting 10 would be an asset.

\$15.00 for supplementary materials

DRAFTING/DESIGN TECHNOLOGY 12

(Applied Skills) (4 credits) (MDD--12)

Drafting/Design Technology 12 students will work on more advanced design projects that will include model making and the production of working drawings. Real world applications of design principles are emphasized. This is a studio course where students work on a major project incorporating both design principles and concepts with the use of technology. Students will work exclusively on computers using Chief Architect and 3-D Rhino. Completion of Drafting 11 would be an asset.

\$15.00 for supplementary materials

WOODWORKING 9

(Applied Skills) (4 credits) (MTE--09W)

Woodworking 9 is an introduction to the technology of woodworking. Through project construction, students will learn various methods of machine tool use, joinery, and finishing techniques. Students will also be introduced to the process of design as all students will model their projects on the computer prior to construction. The safe use of all woodshop power tools is stressed throughout the course. The successful completion of Woodworking 9 is recommended prior to Carpentry and Joinery.

\$50.00 for supplementary materials

WOODWORKING 10

(Applied Skills) (4 credits) (MTEW-10)

Woodworking 10 is intended for students wishing to further their studies in woodworking. It is suitable for students who have successfully completed Woodworking 9 or for grade 10 students who wish to take Carpentry and Joinery. Skills and techniques learned in Woodworking 9 will be developed with project work. Emphasis on the Design Process will be explored, with all students modelling their projects prior to construction.

\$50.00 for supplementary materials

CARPENTRY & JOINERY 11

(Applied Skills) (4 credits) (MCJ--11)

Students will continue to explore the craft of cabinetmaking. Students may take on a self directed project of their own choosing. In the past several years, the majority of students have shown great interest in guitar building as a project selection. This project is not mandatory and is dependent on student interest and skill level. Materials must be paid for prior to the start of a project. Woodworking 10 is not a prerequisite, but is strongly recommended.

\$30.00 for supplementary materials

CARPENTRY & JOINERY 12

(Applied Skills) (4 credits) (MCJ--12)

Directed studies - Students will choose an emphasis in cabinetmaking, framing, or finishing. Wood must be paid for prior to start of project. Students must have completed Carpentry & Joinery 11.

\$30.00 for supplementary materials

EXPLORING ENGINEERING & DESIGN 9

(Applied Skills) (4 credits) (MTE--09G)

Exploring Engineering and Design 9 is a course which encourages the students to explore various aspects of engineering and design in a hands-on fashion. We will explore the use of tools, materials, and processes with an emphasis on safety. Throughout the course students will design, build, and test solutions to various design challenges. Some past design challenges include saving an egg in a pop bottle rocket, building the strongest bridge, and creating the fastest CO₂ car!

\$20.00 for supplementary materials

EXPLORING ENGINEERING & DESIGN 10

(Applied Skills) (4 credits) (MTEG-10)

Exploring Engineering and Design 10 builds on the skills learned in Exploring Engineering and Design 9 however Exploring Engineering and Design 9 is not a prerequisite. We will explore the use of tools, materials, and processes with an emphasis on safety. Throughout the course students will design, build, and test solutions to various design challenges. Some past challenges include bridges, magnetic levitation vehicles, and various electronics projects!

\$20.00 for supplementary materials

POWER TECHNOLOGY 9

(Applied Skills) (4 credits) (MTE--09C)

Power Technology 9 is a course which encourages the student to explore various aspects of energy and power generation. In this course, the student will learn about small engines, basic metal working skills, and have the opportunity to design projects that converts various forms of engines in a fun hands-on environment. Some past projects include boats, 2 and 4-stroke engines repairs, as well as electric motors. Safe work practices and environmental sustainability will be stressed.

\$20.00 for supplementary materials

POWER TECHNOLOGY 10

(Applied Skills) (4 credits) (MTEC-10)

Power Technology 10 builds on the skills learned in Power Technology 9 however Power Technology is not a prerequisite. In this hands-on based course, the students will learn about small engines, basic metal work skills, as well as have the opportunity to design projects that convert various forms of energy. Throughout this course, the student will develop problem solving strategies by troubleshooting various power-generation devices. Safe work practices and environment sustainability will be stressed.

\$20.00 for supplementary materials

AUTOMOTIVE TECHNOLOGY 11

(Applied Skills) (4 credits) (MAT--11)

Automotive Technology 11 teaches students the basic skills needed to understand, maintain, and repair automobiles. This course is only intended for students thinking about a careers in the automotive trades but teaches everyday life skills that can save a vehicle owner thousands of dollars in costly repairs. To get the most out of this course, students are encouraged to bring in their own cars to inspect and service, however shop cars will be provided. This course will introduce the student to some trades such as metal working, fabrication, and welding. This may include:

- Welding using both oxyacetylene and Metal Inert Gas (MIG)
- Machining and heat treating of tools

\$20.00 for supplementary materials

AUTOMOTIVE TECHNOLOGY 12

(Applied Skills) (4 credits) (MAT--12, MATB-12)

Automotive Technology 12 takes a more in-depth look at the various automotive systems discovered in Automotive Technology 11. It is strongly advised that students take Automotive Technology 11 before enrolling in Auto 12. Students are expected to develop proficiency in automotive maintenance and repair. Prescribed labs as well as increased opportunity for self-directed work are encouraged.

\$20.00 for supplementary materials