



# HANDSWORTH Secondary School

1044 Edgewood Road, North Vancouver, BC V7R 1Y7

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

Website: <http://www.nvsd44.bc.ca/SchoolSites/Handsworth.aspx>



Photo by Alia Youssef – Media Arts Grade 11

## Course Planning **GUIDE** 2012/2013

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## Mission Statement

We strive for excellence in all endeavours, encourage personal and social responsibility, respect diversity, and work to develop a life-long commitment to learning.

## Welcome to Handsworth

Welcome to the 2012-2013 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 collaboratively make decisions 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, Beaux Arts is taught in French in grade 8 and P.E. is taught in French in grade 9 and Planification 10. Upon successful completion of each course 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. T. Mark James
VICE-PRINCIPAL:	Mr. Tim Jones
VICE-PRINCIPAL:	Mr. Jeff Hasenauer
ADMIN ASSISTANT:	Ms. Trace Bell

## Counsellors

	Grade
Mr. Don Carlson	8
Mrs. Caryl Tervit	9
Mr. Jay Prepchuk	10
Mrs. Susan Jecks	11 and International Students
Mrs. Stacey Schwegler	12

ESL students will have contact with their grade-level counsellor as listed above.

## HANDSWORTH SECONDARY SCHOOL COURSE PLANNING GUIDE

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## GRADUATION REQUIREMENTS

**Eighty credits in Grades 10-12 (equivalent to 20 four-credit courses) are required for graduation. Forty-eight credits are required courses, including:**

- |  |                   |
|--|-------------------|
| • Language Arts 10*  | 4 credits         |
| • Language Arts 11   | 4 credits         |
| • Language Arts 12*  | 4 credits         |
| • Social Studies 10  | 4 credits         |
| • Social Studies 11*, Canadian Civics 11* or<br>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         |
| <b>*Provincial Exam</b>  |                   |
| • <b>Elective Courses</b>  | <b>28 credits</b> |

**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: 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 2012/2013 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.**

- Students in Grades 8, 9 and 10 **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 must take a minimum of 7 courses and students in grade 12 must take a minimum of 6 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: Career Explorations, Peer Tutoring, Jazz Band 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.

Students are advised that course loads and work habits impact Honour Roll eligibility. Please ensure you are familiar with Honour Roll Criteria. See agenda book/website.

## PLAN YOUR COURSE OF STUDY CAREFULLY!

### GRADE 9 ELECTIVES

#### LANGUAGES:

FRENCH 9 (MFR--09)

#### FINE ARTS:

ART 09 (MVA--09)

DRAMA 09 (MDR--09)

#### MUSIC:

CONCERT BAND 9 (MMU--09-CB, MMU--09ACB)

JUNIOR GOLD JAZZ BAND (MMU--09-JB)

MUSIC CHAMBER STRINGS 9 (MMU--09AST)

MUSIC CONCERTI STRINGS 9 (MMU--CST)

#### INDUSTRIAL EDUCATION:

DRAFTING 09 (MTE--09D)

POWER MECHANICS 09 (MTE--09C)

TECHNOLOGY 09 (MTE--09G)

WOODWORK 09 (MTE--09W)

#### BUSINESS EDUCATION:

BUSINESS EDUCATION 09 (MBE--09G)

BUSINESS EDUCATION COMMUNICATION 09 (MBE--09C)

#### HOME ECONOMICS:

HOME EC – FOOD STUDIES 09 (MFDN-09)

HOME EC - TEXTILES 09 (MTXT-09)

#### LEARNING ASSISTANCE\*:

LEARNING CENTRE (XAT--09LAC)

(\* in consultation with LC teacher & counsellor)

## GRADES 10-12 REQUIRED COURSE OPTIONS

Courses that satisfy graduation requirements

(see [http://www.bced.gov.bc.ca/policy/policies/graduation\\_req.htm](http://www.bced.gov.bc.ca/policy/policies/graduation_req.htm))

English 10\*, 11, 12\* (MEN--10, MEN--11, MEN--12) or  
Communications 11 & 12\* (MCOM-11, MCOM-12)

Science 10\* (MSC--10) or  
Sciences Naturelles 10\* (FSCF-10)

Chemistry 11 (MCH--11) or  
Biology 11 (MBI--11) or  
Physics 11 (MPH--11) or  
Science and Technology 11 (MSCT-11)

Physical Education 10 (MPE--10) or  
PE 10 Dance, Sports Training (MPE--10-DA, MPE--10-ST)

Français Langue 10, 11, 12\* (FFRAL10, FFRAL11 & FFRAL12)

Planning 10 (MPLAN10) or  
Planification 10 (FPLAN10)

Planning 12 (YSEVC2A)

Social Studies 11\* (MSS--10, MSS--11) or  
Sciences Humaines 11\* (FSCH-11) or  
First Nations 12\* (MFNS-12)

Foundations of Mathematics and Pre-Calculus 10\* (MFMP-10) or  
Apprenticeship & Workplace Mathematics 10\* (MAWM-10)

Foundations of Mathematics 11 (FOM-11) or  
Apprenticeship and Workplace Mathematics 11 (AWM-11) or  
Pre-Calculus 11 (PREC-11)

**\*Provincial Exams**

## PROVINCIAL EXAMINATIONS

The following provincial exams must be written for graduation:

GRADE 10	GRADE 11	GRADE 12
English 10	Social Studies 11	English 12 or
Science 10, or	or	Communications 12
Sciences Naturelles 10	Sciences Humaines 11	BC First Nations 12
Foundations or Apprenticeship Math 10		

**GRADES 10-12 ELECTIVE COURSES****(APPLIED SKILLS)****HOME ECONOMICS**

Textiles Studies 10, 11 & 12 (MTXT-10, MTXT-11, MTXT-12)

Food Studies 10, 11 & 12 (MFDN-10, MFDN-11, MFDN-12)

**TECHNOLOGY EDUCATION**

Drafting 10, 11 & 12 (MTED-10, MDD--11, MDD--12, MDDH-12)

Woodworking 10 (MTEW-10)

Carpentry & Joinery 11 & 12 (MCJ--11, MCJ--12)

Automotive Technology 11 & 12, AT Body Repair and Finish (MAT--11, MAT--12, MATB-12)

Power Mechanics 10 (MTEC-10)

Technology 10 (MTEG-10)

**BUSINESS EDUCATION**

Business Education Communications 10 (MBEC-10)

Business Education 10 (MBEG-10)

Accounting 11 & Financial Accounting 12 (MAC--11, MFA--12)

Marketing 11 (MMK--11)

Marketing 12 (MMK--12)

AP Microeconomics (AMI--12)

**INFORMATION TECHNOLOGY**

Applied Digital Communications (MICTC11, MICTC12)

AP Computer Science 12A & AB (APCSC12A, APCSC12)

Digital Media Developments (MICTM11, MICTM12)

Computer Programming 11 & 12 (MICTP11, MICTP12)

Yearbook (MICTM12-YB)

## GRADES 10-12 ELECTIVE COURSES

### (FINE ARTS)

#### THEATRE

Directing & Script Development 12 (MTPDS-12)      **(Open for Grade 12 students)**  
 Theatre Performance 12: Acting (MTPDS-12)      **(Open for Grade 11-12 students)**  
 Theatre Performance 11: Acting (MTPDS- 11)      **(Open for Grade 10-12 students)**  
 BA Improvisation & Scripts 11 (YVPA-1E)      **(Open for Grade 10-12 students)**  
 Theatre Production 11 & 12: Technical Theatre (MTPR-11, MTPR-12)  
 Acting for Film/Television 11& 12 (MDFT-11, MDFT-12)

#### DANCE

Dance Performance 11 & 12 (MDNP-11, MDNP-12)  
 Choreography 11 & 12 (MDNC-11, MDNC-12)  
 Physical Education 10 Dance (MPE-10-DA)  
 Physical Education 10 Dance (MDNG-10) (MALE)

#### MUSIC

Orchestral Strings 10, 11 & 12 (MMOS-10--A, MIMOS11--A, MIMOS12--A)  
 Band 10, 11 & 12 (MMCB-10, MIMCB11, MIMCB12)  
 Jazz Band 10, 11 & 12 (MMJB-10INT, MIMJB11, MIMJB12)

#### VISUAL ARTS

Media Arts 10,11 & 12 (MVAM-10, MVAMT11, MVAMT12)  
 Art Foundations 12 (MAF--12)  
 Print Making & Graphic Design 11 & 12 (MSAPG11, MSAPG12)  
 Art 10 (MVAG-10)  
 Drawing & Painting 10, 11 & 12 (MVAD10, MSADP11, MSADP12)  
 Ceramics & Sculpture 10, 11 & 12 (MVAC10, MSACS11, MSACS12)  
 AP Studio Art (Drawing) (APSAD12)  
 AP 2-D Design Portfolio 12 (AP2DP12)

## GRADES 10-12 ELECTIVE COURSES

### (PHYSICAL EDUCATION)

#### PHYSICAL EDUCATION

Physical Education 10 Dance (MPE-10-DA)  
 Physical Education 11 & 12 (MPE--11, MPE--12)  
 BA PE Conditioning 10 & 11 (YHRA-0A, YHRA-1A)  
 BA Sports Leadership 11/12 (YHRA-1B)  
 Physical Education Fitness 11& 12 (MPE--11-F, MPE--12F)  
 Physical Education Strength Training 12 (MPE--12ST)

## PLANNING

### PLANNING 10 (4 credits)

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)

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)

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.

## GRADUATION TRANSITION REQUIREMENTS

Starting in the 2007/08 school year, Graduation Transitions replaced the Graduation Portfolio Assessment. All BC secondary school students who enrolled in Grade 10, 11 or 12 as of September 1, 2007 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 10, PE 11 or PE 12 count towards that total.
  - 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 EXPLORATIONS

The Career Explorations program provides students in grade 11 and 12 with the opportunity to “test drive” their occupation of choice in the real world. It contributes significantly to the student’s understanding of the connection between school and work. Handsworth Career Explorations program provides students considering various careers with meaningful and relevant work experiences.

Students enrolled in the Career Explorations program are expected to participate in 100 hours of Work Experience over the course of grade 11 and 12. Work experience may take place during school hours, during spring break, summer break or after school and weekends.

To register for Career Explorations, current grade 10 or 11 students should select ‘Career Explorations’ (WEX12A) on their course selection sheet.

**Grade 11 students will be expected to enroll in 7 courses plus Career Explorations. However students enrolled in Career Explorations do not lose an elective space nor do they lose a study block. Grade 12 students will be required to be enrolled in 6.5 classes plus Career Explorations.**

More information on the Career Explorations program is available from the grade level counsellor in Student Services or Mrs. Laura Terness in the Career Center. You may email Laura Terness directly at [lterness@nvsd44.bc.ca](mailto:lterness@nvsd44.bc.ca) or phone 604-903-3600.

**Career Explorations Students will be expected to attend once a month meetings to prepare for their Career Explorations placements. Safety training and dissemination of information related to their Career Explorations placement will be discussed.**

Career Explorations Credit/Equivalency may be provided to students who are, or who have actively participated in a work or volunteer experience where learning outcomes relate to their career focus. Career Explorations Credit/Equivalency is by application through the Career Centre.

### Main reasons to be enrolled in Career Explorations:

- Connect what they learn in the classroom with the skills, knowledge and attitudes needed in the workplace
- Gain 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
- A great addition for a resume

### Some examples of work experience placements include:

- RCMP Youth Academy
- Film Production
- Art Institute SWEAT Program
- Canadian Coast Guard
- Trades Experiences (e.g. Electrician, Carpenter, Automotive Technician)
- Teaching
- Canadian Forces
- Legal
- Hotel and Tourism
- Politics

## HANDSWORTH LEARNING CENTER

The Learning Center 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 Center by their grade counselors at the monthly School Based Resource Team meeting. In the Learning center students are asked to bring their current academic subjects and are given learning support in conjunction with current work. If you have any questions about the Learning Center you can contact the Administrator in charge of Special Education Tim Jones at 903-3600 or [tjones@nvsd44.bc.ca](mailto:tjones@nvsd44.bc.ca)

## ENHANCED PROGRAM OFFERINGS

Please see the attached Secondary School Enhanced Program Opportunities Booklet for 2012-13.

## 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](http://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://www.bced.gov.bc.ca/policy/policies/earning\\_credit\\_through.htm](http://www.bced.gov.bc.ca/policy/policies/earning_credit_through.htm)

## ADVANCED PLACEMENT COURSES

The Advanced Placement Courses provide the students an avenue to enrich and demonstrate their educational expertise to the 1<sup>st</sup> 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 achieving successfully on AP examinations receive credit at most Universities and Colleges in Canada and the United States. For more information on the AP Program, visit their website at: [www.apcentral.collegeboard.com](http://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 12 (4 credits)
- AP French 12 (4 credits)
- AP Economics 12 (4 credits)
- AP Studio Art (Drawing) 12 (4 credits)
- AP 2-D Design Portfolio 12 (4 credits)

Students who are considering enrolling in an Advanced Placement course for the following year should have 83% or higher in their current course. They should also consult their current subject teacher and next year's AP teacher concerning their suitability.

Students registering for an AP course will also receive credit for the corresponding school course, though they register only in the AP course.

e.g. AP English Language and Composition students will also receive credit for English 12, but should select and register for only AP English Language & Composition.

## DISTRIBUTED LEARNING SCHOOLS (NVDLS)

Visit the online website: [www.learnonline44.com](http://www.learnonline44.com)

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
- have effective written communication skills (much of the communication with a teacher will be via email)
- are 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

**ASSESSMENT:**

Go to [www.learnonline44.com](http://www.learnonline44.com) to do an assessment of compatibility for online learning.

**DISTRIBUTIVE LEARNING COURSE INFORMATION**

NVDLS offers the following distributed learning courses.

GRADE 10	GRADE 11	GRADE 12
PE 10	SS 11	Planning 12
Foundations of Math & Pre Calculus 10	Foundations of Math 11	English 12
Apprenticeship & Workplace Math 10	Apprenticeship & Workplace Math 11	Communications 12
Planning 10	Pre-Calculus 11	Biology 12
English 10	English 11	Law 12
Science 10	Earth Science 11	Chemistry 12
Social Studies 10	Chemistry 11	Geography 12
Planification 10	Physics 11	Transition Planning 12
	Biology 11	History 12
		Physics 12
		Foundations of Math 12
		Apprenticeship & Workplace Math 12
		Pre-calculus 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. The course is offered by Ms. Laura Terness, a full time Learning Assistance teacher. 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. The final registration for Peer Tutoring is September 19<sup>th</sup>, 2012.

**COURSE TABLE 2012/2013**

DEPARTMENT	COURSE CODE	COURSE TITLE
ADVANCED PLACEMENT	ACAL-12	AP CALCULUS 12
	ACSC-12	AP COMPUTER SCIENCE AB 12
	AELC-12	AP EN LIT & COMP 12
	AEN-12	AP EN LANG & COMP 12
	AFRL-12	AP FRENCH 12
	AMI-12	AP ECONOMICS 12
	APHY-12	AP PHYSICS 12
	ACHE-12	AP CHEMISTRY 12
	APSA12	AP STUDIO ART (DRAWING) 12
	AP2DP12	AP 2-D DESIGN PORTFOLIO 12
APPLIED SKILLS	MICTM11	ICT: DIGITAL MEDIA DEVELOPMENT 11
	MICTM12	ICT: DIGITAL MEDIA DEVELOPMENT 12
	MICTM12-YB	ICT: DIGITAL MEDIA DEVELOPMENT 12
	MICTP11	ICT: COMPUTER PROGRAMMING 11
	MICTP12	ICT: COMPUTER PROGRAMMING 12
	MICTC12	ICT: APPLIED DIGITAL COMMUNICATIONS
BUSINESS EDUCATION	MINT-08	INFORMATION TECHNOLOGY 8
	MBE--09G/ MBE--09C	BUSINESS ED 9 GENERAL/ COMMUNICATIONS
	MBEC-10	BUSINESS ED 10 COMMUNICATION
	MBEG-10	BUSINESS ED 10 GENERAL
	MAC--11	ACCOUNTING 11
	MFA--12	FINANCIAL ACCOUNTING 12
	MMK--11	MARKETING 11
	MMK--12	MARKETING 12
CAREER PROGRAMS	XAT-08-LS	LIFESKILLS 8 (multiple components)
	MHCE-08	HEALTH AND CAREER EDUCATION 08
	MPLAN10	PLANNING 10
	FPLAN10	PLANIFICATION 10
	MWEX-2A	WORK EXPERIENCE 12A
	MWEX-2B	WORK EXPERIENCE 12B
	YSEVC2A	BA TRANSITION PLANNING 12
	MGT---	GRADUATION TRANSITIONS

DEPARTMENT	COURSE CODE	COURSE TITLE	
CAREER PROGRAMS	MSSA-1A	SECONDARY SCHOOL APPRENTICESHIP 11A	
	MSSA-1B	SECONDARY SCHOOL APPRENTICESHIP 11B	
	MSSA-2A	SECONDARY SCHOOL APPRENTICESHIP 12A	
	MSSA-2B	SECONDARY SCHOOL APPRENTICESHIP 12B	
ENGLISH	MCOM-11	COMMUNICATIONS 11	
	MCOM-12	COMMUNICATIONS 12	
	MEN--08	ENGLISH 8	
	MEN--08HUM	HUMANITIES 8: ENGLISH AND SOCIAL STUDIES	
	MEN--09	ENGLISH 9	
	MEN--10	ENGLISH 10	
	MEN--11	ENGLISH 11	
	MEN--12	ENGLISH 12	
	MEN-12TP	ENGLISH 12 TP ENG & THEATRE/DANCE/FILM CONNECTIONS	
	MICTC-12-J	ICT: APPLIED DIGITAL COMMUNICATIONS 12	
	MLIT-12	LITERATURE 12	
	MWR--12	WRITING 12	
	ENGLISH SECOND LANGUAGE	XAT--00BES	ENGLISH AS A SECOND LANGUAGE
		XAT--00ESL	ESL INDIRECT INSTRUCTION
		YESFL0B	BA LANGUAGE STRATEGIES 10
FINE ARTS	MVA-08	VISUAL ARTS 8 (Art & Drama)	
	MVA--08--G	VISUAL ARTS 8	
	MVA--09	VISUAL ARTS 9	
	MVAG-10	VISUAL ARTS 10 GENERAL	
	MVAM-10	VISUAL ARTS 10 MEDIA ARTS (PHOTOGRAPHY)	
	MVAC-10	STUDIO ARTS 10 CERAMICS & SCULPTURE	
	MVAD-10	STUDIO ARTS 10 DRAWING & PAINTING	
	MVAMT11	VISUAL ARTS 11 MEDIA ARTS (PHOTOGRAPHY)	
	MVAMT12	VISUAL ARTS 12 MEDIA ARTS	
	MAF--12	ART FOUNDATIONS 12	
	MSACS11	STUDIO ARTS 11 CERAMICS & SCULPTURE	
	MSACS12	STUDIO ARTS 12 CERAMICS & SCULPTURE	
	MSADP11	STUDIO ARTS 11 DRAWING & PAINTING	
	MSADP12	STUDIO ARTS 12 DRAWING & PAINTING	
MSAPG-11	STUDIO ARTS 11 PRINTMAKING/GRAPHIC DESIGN		

DEPARTMENT	COURSE CODE	COURSE TITLE
FINE ARTS	MSAPG12	STUDIO ARTS 12 PRINT & GRAPHIC DESIGN
FRENCH IMMERSION	FEPHF09	EDUCATION PHYSIQUE 9
	FFRAL08	FRANCAIS LANGUE 8
	FFRAL09	FRANCAIS LANGUE 9
	FFRAL10	FRANCAIS LANGUE 10
	FFRAL11	FRANCAIS LANGUE 11
	FFRAL12	FRANCAIS LANGUE 12
	FSCF-08	SCIENCES NATURELLES 8
	FSCF-09	SCIENCES NATURELLES 9
	FSCF-10	SCIENCES NATURELLES 10
	FSCHF08	SCIENCES HUMAINES 8
	FSCHF09	SCIENCES HUMAINES 9
	FSCH-10	SCIENCES HUMAINES 10
	FSCH-11	SCIENCES HUMAINES 11
	FVAF-08	BEAUX ARTS 08 (Visuels/dramatique)
	FVAF-08G	ARTS VISUELS 8
	FVAF-08DR	ARTS VISUELS 8 DRAMATIQUE
HOME ECONOMICS	MFDN-08/MTXT-08	HOME ECONOMICS 8 (Foods & Textiles)
	MFDN-09	FOODS AND NUTRITION 9
	MFDN-10	HOME ECONOMICS 10 FOODS
	MFDN-11	FOOD STUDIES 11
	MFDN-12	FOOD STUDIES 12
	MTXT-09	TEXTILES 9
	MTXT-10	TEXTILES 10
	MTEXT-11	TEXTILE STUDIES 11
	MTEXT-12	TEXTILE STUDIES 12
MATHEMATICS	MMA-08	MATH 8
	MMA-09-08	PRINCIPLES OF MATH 8 and 9 (accelerated)
	MMA-09	MATH 9
	MMA-09-N	MATH 9 NUMERACY
	MAWM-10	APPRENTICESHIP & WORKPLACE MATH 10
	MFMP-10	FOUNDATIONS OF MATH & PRE-CALCULUS 10
	MFOM-11	FOUNDATIONS OF MATH 11
	MAWM-11	APPRENTICESHIP & WORKPLACE MATH 11

DEPARTMENT	COURSE CODE	COURSE TITLE
MATHEMATICS	MPREC-11	PRE-CALCULUS 11
	MAWM-12	APPRENTICESHIP & WORKPLACE MATH 12
	MFOM-12	FOUNDATIONS OF MATH 12
	MPREC-12	PRE-CALCULUS 12
	MCALC12	CALCULUS 12
MODERN LANGUAGES	MFR--08	FRENCH 8
	MFR--09	FRENCH 9
	MFR--10	FRENCH 10
	MFR--10--E	FRENCH 10 ENRICHED
	MFR--11	FRENCH 11
	MFR--11--E	FRENCH 11 ENRICHED
	MFR--12	FRENCH 12
	MFR--12--E	FRENCH 12 ENRICHED
	MBSP-11	BEGINNING SPANISH 11
	MSP--11	SPANISH 11
	MSP--12	SPANISH 12
	MUSIC	MMU--08-CB
MMU-08ACB		JUNIOR GOLD CONCERT BAND 8
MMU--09-CB		JUNIOR GOLD CONCERT BAND 9
MMU--09ACB		INTERMEDIATE CONCERT BAND 9
MMCB-10		INTERMEDIATE CONCERT BAND 10
MMOS-10--A		MUSIC 10 CHAMBER STRINGS
MMOS-10--C		MUSIC 10 CONCERTI STRINGS
MIMCB11		SENIOR WIND ENSEMBLE 11
MIMCB12		SENIOR WIND ENSEMBLE 1I
MMU--08--JB		JUNIOR BLUE JAZZ BAND 8
MMU--09-JB		JUNIOR GOLD JAZZ BAND 9
MMJB-10INT		INTERMEDIATE JAZZ BAND 10
MIMJB11		SENIOR JAZZ BAND 11
MIMJB12		SENIOR JAZZ BAND 12
MMU--08CST		MUSIC 8 CONCERTI STRINGS
MMU--08TST		MUSIC 8 TOCCATI STRINGS
MMU--09CST		MUSIC 9 CONCERTI STRINGS
MMU--09AST		MUSIC 9 CHAMBER STRINGS
MMU--09TST		MUSIC 9 TOCCATI STRINGS

DEPARTMENT	COURSE CODE	COURSE TITLE
MUSIC	MIMOS11--A	ORCHESTRA STRINGS 11 CHAMBER
	MIMOS12--A	ORCHESTRA STRINGS 12 CHAMBER
	MIMOS11--C	ORCHESTRA STRINGS 11 CONCERTI
	MIMOS12--C	ORCHESTRA STRINGS 12 CONCERTI
OTHER	MIDS-2A	INDEPENDENT DIRECTED STUDIES 12A
	YED--2A	BA TEACHER ASSISTANT 12
	YIPS-2A	BA PEER TUTORING 12
PERFORMING ARTS:	MDR--09	DRAMA 9
THEATRE/FILM	MDFT-11	ACTING FOR FILM/TELEVISION 11
	MDFT-12	ACTING FOR FILM/TELEVISION 12
	YVPA-1E	BA IMPROVISATION & SCRIPTS 11 (Open for grade 10-12 students)
	MTPA-11	THEATRE PERFORMANCE 11: ACTING (Open for grade 10-12 students)
	MTPA-12	THEATRE PERFORMANCE 12: ACTING (Open for grade 11-12 students)
	MTPDS12	DIRECTING & SCRIPT DEVELOPMENT 12 (Open for grade 12 students; also select MTPDS12A)
	MTPDS12A	DIRECTING & SCRIPT DEVELOPMENT 12A: Alternative directing block (see MTPDS12 above)
	MTPRT11	THEATRE PRODUCTION 11: TECHNICAL THEATRE (Open for grade 10-12 students)
	MTPRT12	THEATRE PRODUCTION 12: TECHNICAL THEATRE (Open for grade 11-12 students)
PERFORMING ARTS:	MDNC-11	DANCE CHOREOGRAPHY 11
DANCE	MDNC-12	DANCE CHOREOGRAPHY 12
	MDNP-11	DANCE PERFORMANCE 11
	MDNP-12	DANCE PERFORMANCE 12
	MPE-10-DA	PHYSICAL EDUCATION 10 DANCE
	MDNG-10	PHYSICAL EDUCATION 10 DANCE (MALE)
PHYSICAL EDUCATION	MPE--08--B	PHYSICAL EDUCATION 8 BOYS
	MPE--08--G	PHYSICAL EDUCATION 8 GIRLS
	MPE--09	PHYSICAL EDUCATION 9
	MPE--10	PHYSICAL EDUCATION 10
	MPE--10-DA	PHYSICAL EDUCATION 10 DANCE
	MPE--10--ST	PHYSICAL EDUCATION 10 SPORTS TRAINING
	YHRA-0A	BA PE CONDITIONING 10
	MPE--11	PHYSICAL EDUCATION 11
	YHRA-1A	BA PE CONDITIONING 11

DEPARTMENT	COURSE CODE	COURSE TITLE
PHYSICAL EDUCATION	YHRA-1B	BA SPORTS LEADERSHIP 11/12
	MPE--11-F	FITNESS 11
	MPE--12	PHYSICAL EDUCATION 12
	MPE--12F	FITNESS 12
	MPE--12ST	PHYSICAL EDUCATION 12 SPORTS TRAINING
SCIENCE	MSC--08	SCIENCE 8
	MSC--09	SCIENCE 9
	MSC--10	SCIENCE 10
	MBI--11	BIOLOGY 11
	MESC-11	EARTH SCIENCE 11
	MBI--12	BIOLOGY 12
	MCH--11	CHEMISTRY 11
	MCH-11-E	CHEMISTRY 11 ENRICHED
	MCH--12	CHEMISTRY 12
	MPH--11	PHYSICS 11
	MPH--11--E	PHYSICS 11 ENRICHED
	MPH--12	PHYSICS 12
SOCIAL SCIENCES	YPSYC1A	BA PSYCHOLOGY 11
SOCIAL STUDIES	MSS--08HUM	HUMANITIES 8: SOCIAL STUDIES
	MSS--09	SOCIAL STUDIES 9
	MSS--10	SOCIAL STUDIES 10
	MSS--11	SOCIAL STUDIES 11
	MCCN-12	COMPARATIVE CIVILIZATION 12
	MFNS-12	FIRST NATION STUDIES 12
	MGEO-12	GEOGRAPHY 12
	MHI--12	HISTORY 12
	MLAW-12	LAW 12
SPECIAL EDUCATION	XAT--08LC	LEARNING CENTRE 08
	XAT--09LAC	GRADE 9 LEARNING ASSISTANCE
	YED--0A	BA APPLICATION FOR LEARNING 10
	YED--1A	BA APPLICATION FOR LEARNING 11
	YED--2A	BA APPLICATION FOR LEARNING 12
	MTE--08--DR	TECHNOLOGY EDUCATION 8 DRAFTING

DEPARTMENT	COURSE CODE	COURSE TITLE
TECHNOLOGY EDUCATION	MTE--08-WW	TECHNOLOGY EDUCATION 8 WOODWORK
	MTE--09G	TECHNOLOGY EDUCATION 9 GENERAL
	MTE--09W	TECHNOLOGY EDUCATION 9 WOODWORKING
	MTE--09C	TECHNOLOGY EDUCATION 9 MECHANICS
	MTE--09D	DRAFTING 9
	MTEC-10	TECHNOLOGY EDUCATION 10 MECHANICS
	MTED-10	TECHNOLOGY ED 10 DRAFTING & DESIGN
	MTEG-10	TECHNOLOGY EDUCATION 10 GENERAL
	MTEW-10	TECHNOLOGY ED 10 WOODWORKING
	MAT--11	AUTOMOTIVE TECHNOLOGY 11
	MAT--12	AUTOMOTIVE TECHNOLOGY 12
	MATB-12	AUTO TECH 12: BODY REPAIR & FINISH
	MCJ--11	CARPENTRY AND JOINERY 11
	MCJ--12	CARPENTRY AND JOINERY 12
	MDD--11	DRAFTING AND DESIGN 11
	MDD--12	TE: DRAFTING AND DESIGN 12
	MDDH-12	DRAFTING AND DESIGN 12 - HABITAT

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## BUSINESS EDUCATION

### **BUSINESS EDUCATION COMMUNICATIONS 9**

**(Applied Skills) (4 credits) (MBE--09C)**

This is an introduction to efficient and effective internet use, word processing and simple desktop publishing. Students will work toward improving their touch typing skills as well as speed building and accuracy. Students will examine topics such as the use of social media, ethical internet use and various types of business communication. Students will also become proficient in the use of Microsoft Office, Excel, Power Point, video editing software and a number of online applications.

### **BUSINESS EDUCATION COMMUNICATIONS 10**

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

MBEC10 builds on the skills learned in MBE--09C. Students will look at how computers and technology have changed the way that 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, Power Point and a variety of specialty programs will be used. No prerequisite required.

### **BUSINESS EDUCATION GENERAL 9**

**(Applied Skills) (4 credits) (MBE--09G)**

This is an introduction to the World of Business. This course introduces students to business communications, banking, investments, economics, marketing and ethics. 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 around us. Students will cover a variety of topics including finance, economics, marketing, tourism and ethics. No prerequisite required.

### **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.

### **AP MICROECONOMICS 12**

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

This course explores the choices that individuals and societies make about the use of resources in a competitive global economy. Students will use economic concepts and models, as well as methods of economic inquiry to analyze current economic issues and make informed economic choices based on their analysis - for example, what policy actions might be taken in order to combat a recession or deal with stagflation? Particular emphasis will be placed upon building economic theory at the university level in order to create a solid theoretical base for further economic enquiry.

**AP exam fee \$105**

**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. Students completing this course with a B or higher mark will be encouraged and will be allowed to challenge BFIN 141 - Accounting at Capilano College.

**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 endeavor. 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 JAVA 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 use languages such as JAVA and Action Script 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.

*\$105.00 exam cost*

**APPLIED DIGITAL COMMUNICATIONS 11****(Applied Skills) (4 credits) (MICTC11)**

Applied Digital Communications 11 focuses on the development of speed, proficiency, and breadth of knowledge with the use of common application software such as Word, Excel, Powerpoint, Dreamweaver, and Indesign. Students will be introduced to the software and have a chance to use the software for presenting data.

**APPLIED DIGITAL COMMUNICATIONS 12****(Applied Skills) (4 credits) (MICTC12)**

Applied Digital Communications 12 focuses on the development of speed, proficiency, and breadth of knowledge with the use of common application software such as Word, Excel, Powerpoint, Dreamweaver, and Indesign. Students will make advanced use of the software and create advanced presentations using the software.

**YEARBOOK****(Applied Skills) (4 credits) (MICTM12YB)**

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 must be proficient in the use of digital technology and its application. Students are expected to be experienced with or to master several of the following skills. Adobe Photoshop, page design and layout, digital photography, journalism and editing. Students registering for this course should have taken a previous course covering one or more of the skills. In addition, students must be engaged in and shown leadership in a variety of extra-curricular school activities. To enroll in this course students must obtain prior approval from the teacher.

## ENGLISH

### ENGLISH 9

**(4 credits) (MEN--09)**

English 9 encourages a wide range of reading, writing, listening, and speaking activities related to short stories, plays, novels, and poetry. In addition, the course focuses on the writing process: prewriting, drafting, revising, and editing.

### ENGLISH 10

**(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

**(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

**(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

**(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

**(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

**(4 credits) (MWR--12)**

The Creative Writing 12 course is a survey course in which students examine and practice many kinds of fiction and non-fiction writing. A wide range of genres is covered, from short stories, poetry, to journalism writing. Students engage in oral and written critiques of their own work and of the writing of established authors. Students assemble a portfolio of writing: manuscripts are submitted for publication and evaluation.

**ENGLISH 12 TP: English and Theatre/Dance/Film Connections****(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. Often students enrolled in this course are 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****(4 credits) (MLIT-12)**

English Literature 12 is a survey of English literature from Anglo-Saxon times to the twentieth century. Focus is on literary interpretation and the reader's response to the literature.

**AP ENGLISH LANGUAGE & COMPOSITION 12****(4 credits) (AEN--12)**

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, students should become aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effective writing. Students who are considering enrolling in this course should have 83% or higher in English 11 and should consult the current AP teacher concerning their suitability. Students successfully completing this course will receive credit for both English 12 and AP English 12 (Language) *\$105.00 exam cost*

**AP ENGLISH LITERATURE & COMPOSITION 12****(4 credits) (AELC-12)**

The AP English Literature and Composition course is designed to engage students in the 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 they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students successfully completing this course will receive credit for both Literature 12 and AP Literature & Composition 12.

*\$105.00 exam cost*

## ENGLISH AS A SECOND LANGUAGE

### **ESL**

**(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**

**(4 credits) (YESFL0B)**

This course is designed to enable Intermediate level ESL 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.

### **ESL INDIRECT**

**(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 9/10

**(Fine Arts) (4 credits) (MVA--09, MVAG-10)**

Art 9 & 10 are a survey/foundation 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 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. The student 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 papier 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. Assignments typically include action photography, lens effects, and stop-frame animation. 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. Such projects typically include stop-frame animation, darkroom effects, hand-coloured prints, and digital manipulation of black and white film. 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. Advanced technical topics to be studied include multiple exposure, photomontage, infrared film, Photoshop, InDesign software use, and video production and editing with FinalCut software. Conceptual assignments include photo-cubism, photo-surrealism, and a major photo essay. Students will be introduced to contemporary issues in media arts that will be explored through a final project with options including book design, video production, and digital animation. 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, posters, and web displays. Past projects have also included the graduation ceremony cover, the following year's agenda cover, and the yearbook. 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 graduation ceremony cover are examples of such topics. Students in this course may also have the opportunity to design the yearbook. Publication Design, Web Design, career directions for students in this course.

*Recommended prerequisites: Graphic Design & Printmaking 11, Drawing and Painting 11 or 12*

*\$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 enrolling in AP Studio Art Drawing will also earn credit for Art Foundations 12 or Drawing & Painting 12*

*Recommended Prerequisite: Drawing and Painting 11*

*\$40.00 for supplementary materials (including a good quality sketchbook; \$105 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 enrolling in AP 2-D Design Portfolio 12 will also earn credit for Art Foundations 12 or Graphic Design & Printmaking 12*

*Recommended Prerequisite: Graphic Design 11*

*\$35.00 for supplementary materials (including a good quality sketchbook and inkjet ink); \$105 Exam Cost*

## FINE ARTS: DANCE

### **DANCE PERFORMANCE 11**

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

This class is for students who wish to develop their technique in various dance styles (Classic, Contemporary, Jazz, Broadway, Salsa, Hip Hop). It requires commitment to perform in various school sponsored venues.

### **DANCE PERFORMANCE 12**

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

An opportunity for students who wish to continue performing at an advanced level in all dance styles and are committed to participate in school functions.

### **DANCE 10/11 (BOYS ONLY)**

**(Fine Arts) (4 credits) (MDNG-10)**

This class provides our male population (grades 9 to 12) an opportunity to feel comfortable while developing skills in various dance forms. It is focused on their specific needs and ability level. An introduction to partnering is also part of the curriculum. Opportunities are available for performance as their confidence builds.

### **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.

### **CHOREOGRAPHY 12**

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

Well seasoned dancers who would like the challenge and training in choreographing are invited to pursue their creative abilities in this area. They will learn to choreograph and teach choreographies performed at various school venues. This class will require the student to create more advanced choreographies and to take on a leadership role in the training of dancers.

### **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 possibly participate in the annual production. Different types of dance forms will be explored (Hip-Hop, Latin, Interpretive, Broadway, Jazz, etc.)

## FINE ARTS: DRAMA

### DRAMA 9

#### **(Fine Arts) (4 credits) (MDR--09)**

Drama 9/10 is an introductory performance course, which aims to develop teamwork, confidence-building, and creativity. This will involve exercises such as character development, improvisation, lip synch, murder mystery, and holiday scenes. While there is little written homework, students are required to memorize lines and rehearse their assigned scenes outside of class time.

### THEATRE PERFORMANCE 11

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

Theatre Performance 11 concentrates on training the actor's instruments: the body and voice. A large component of this course is on script analysis and performance. Students are required to perform two-person 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)**

In this course students will build upon the acting skills developed in Theatre Performance 11 and 12. Working in groups and with younger peers, students will develop their leadership skills to direct creative and dynamite 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 out-of-class rehearsals and performances.

**Prerequisite: Permission of Instructor**

### THEATRE PRODUCTION 12: TECHNICAL THEATRE

#### **(Applied Skills) (4 credits) (MTPR-12)**

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 out-of-class rehearsals and performances. In addition, students will be given greater responsibilities in the technical, design and/or production components of various school productions.

**Prerequisite: Permission of Instructor**

**IMPROVISATION & SCRIPTS 11****(Fine Arts) (4 credits) (YVPA-1E)**

Students in this course will work with scripts and complete similar scene assignments in Theatre Performance 11 course. Half the course is script-based, which requires students to memorize lines, and the other half of the course is text-free. In both cases, students will be involved in various improvisation exercises to help them develop a deeper understanding of the characters, objectives and environment of the script. Improvisation assignments are designed for students to trust and follow their instincts. Together the students rely on their body and voice to portray vivid characters and engaging stories. With and without scripts, students will practice projecting themselves into familiar and unfamiliar situations in order to develop valuable skills such as spontaneity, creative problem solving, personal responsibility, empathy and respect for others and differences, and self trust to explore creative and artistic possibilities.

**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 to respond to and create film and television works. Students gain practical experience in some of the major areas of the industry, including acting, screenplays, editing and production. Students will act in music videos, commercials, and create many short films. Assignments lead up to film viewings, the Handsworth Film Festival, and building up their film portfolio.

**\$30.00 for supplementary materials (recordable DVD's, and USB).**

**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 many longer original films. Assignments will be presented at film viewings, showcased at the Handsworth Film Festival, and lead up to creating a film portfolio. For grade 12 students who have not taken the Acting for Film and Television 11 course, they may sign up for this course and be scheduled with their grade 12 peers.

**\$30.00 for supplementary materials (including recordable DVDs, and USB).**

## FINE ARTS: MUSIC

### **JUNIOR BLUE CONCERT BAND 8**

**(MMU--08-CB)**

**(Grade 8 beginners with some music experience are welcome)**

The Junior Blue Concert Band is designed for grade 8 students who have previously experienced band or music on any instrument (such as piano, classical guitar, strings, etc.), but beginners to the Band Program are welcome. 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. Extra-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.

*\$40.00 for supplementary materials*

### **JUNIOR GOLD CONCERT BAND 8/9**

**(Fine Arts) (4 credits) (MMU--08ACB) (MMU--09-CB)**

**Grade 9 beginners with some music experience are welcome.**

**Prerequisite Elementary Band**

The Junior Gold Concert Band is designed for the advanced Grade 8 Band musicians and Grade 9 Band musicians who are not in the Intermediate Concert Band. 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.

*\$40.00 for supplementary materials*

### **INTERMEDIATE CONCERT BAND**

**(Fine Arts) (4 credits) (MMU--09ACB) (MMCB-10)**

**(Grade 10 beginners with some music experience are welcome)**

The Intermediate Concert Band is designed for the advanced grade 9 band musicians and all the grade 10 band musicians. 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.

*\$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 BLUE JAZZ BAND 8****(Fine Arts) (4 credits) (MMU--08-JB)****Grade 8**

Junior Blue Jazz Band offers Grade 8 students the opportunity to learn jazz. The Junior Blue Jazz Band is for students who have never played in a jazz band before. 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 jazz band. Baritone horn players play trombone and tuba players play bass trombone in jazz band. The rhythm section instruments can be played by any one with guitar, piano, bass, or percussion skills (or would like to develop such skills). Jazz Band is taken concurrently with Concert Band (or Strings) each year. Select “Jazz Band” on your course selection form as a 9<sup>th</sup> course. There is the opportunity to take part in the Jazz Band tour each year.

*\$40.00 for supplementary materials***JUNIOR GOLD JAZZ BAND 9****(Fine Arts) (4 credits) (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 jazz band. Baritone horn players play trombone and tuba players play bass trombone in jazz band. The rhythm section instruments can be played by any one with guitar, piano, bass, or percussion skills (or would like to develop such skills). Jazz Band is taken concurrently with Concert Band (or Strings) each year. Select “Jazz Band” on your course selection form as a 9<sup>th</sup> course. There is the opportunity to take part in the Jazz Band tour each year.

*\$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. There is the opportunity for group travel every 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, 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.

*\$30.00 for supplementary materials*

**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.

*\$30.00 for supplementary materials*

**MUSIC ORCHESTRAL STRINGS 9 TOCCATI AND CONCERTI STRINGS****(Fine Arts) (4 credits) (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.

*\$30.00 for supplementary materials*

**Course Codes**

Grade 9 Toccatti MMU--09TST

Grade 9 Concerti MMU--09CST

Grade 9 Chamber MMU--09AST

Grade 10 Concerti MMOS-10--C

Grade 10 Chamber MMOS-10--A

Grade 11 Concerti MIMOS 11--C

Grade 11 Chamber MIMOS 11--A

Grade 12 Concerti MIMOS 12--C

Grade 12 Chamber MIMOS 12--A

## HOME ECONOMICS DEPARTMENT

### TEXTILE STUDIES 9/10

**(Applied Skills) (4 credits) (MTXT-09) (MTXT-10)**

This is a basic clothing course designed for Grade 9 and 10 students which emphasizes basic sewing skills through the construction of four projects: a simple skirt or pants, a blouse or shirt, nightwear, and a project of the student's choice. Students are required to purchase necessary fabric and supplies.

### 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 might choose to make their graduation or ceremonies outfit. Students are required to purchase fabric and supplies. Completion of Textiles 11 an asset.

### FOODS AND NUTRITION 9/10

**(Applied Skills) (4 credits) (MFDN-09) (MFDN-10)**

Giant cinnamon buns, lemon crème scones, chocolate marble cake, lasagna, perogies, sushi, potato cheddar soup and spring rolls are just a few of the foods students will prepare. Nutrition, taste, texture, colour, presentation and home cooking techniques will be emphasized as students develop beginning skills in food preparation.

*\$25.00 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. Completion of Food Studies 10 an asset.

*\$30.00 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. Completion of Food Studies 11 an asset.

*\$30.00 for supplementary materials*

## 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

##### (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.

#### FRANÇAIS LANGUE 9

##### (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

##### (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

##### (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; Astronomy covers characteristics of the universe and space exploration. Textbooks and year-end examination are translations of those used in the English program.

#### FRANÇAIS LANGUE 10

##### (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****(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****(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. French version of the government exam is worth 20% of the total mark.

**FRANÇAIS LANGUE 11****(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****(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****(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.

**ADVANCE PLACEMENT FRENCH 12****(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: 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.

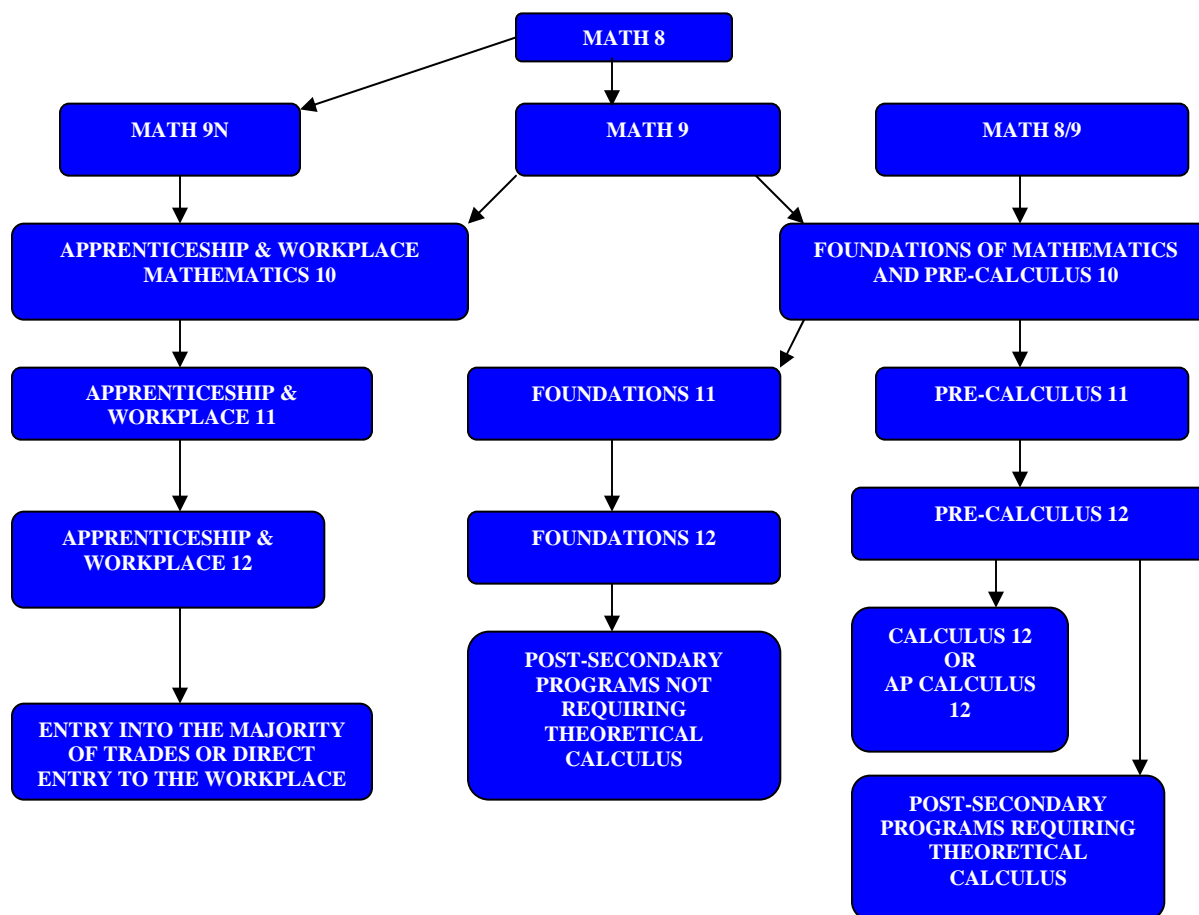
***\$105.00 exam cost***

## 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 GRADES 8 TO 10 MATHEMATICS COURSES (WITH FRACTION AND TRIGONOMETRIC KEYS SUCH AS A SHARP EL-531V). CALCULATOR INSTRUCTION WILL BE CONDUCTED WITH A SHARP D.A.L. CALCULATOR. A GRAPHING CALCULATOR IS HIGHLY RECOMMENDED FOR PRINCIPLES OF MATHEMATICS 11, 11B, 11 HONOURS, PRINCIPLES OF MATHEMATICS 12, AND HONOURS 12. CALCULATOR INSTRUCTION WILL BE CONDUCTED WITH A TI-83 GRAPHING CALCULATOR.

**MATHEMATICS 9****(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****(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. Mathematics 9 Numeracy is a non-academic course.

**FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10****(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****(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. **This course has a Provincial Exam worth 20% of the total mark.**

**FOUNDATIONS OF MATHEMATICS 11****(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, statistics and probability.

**APPRENTICESHIP AND WORKPLACE MATHEMATICS 11****(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.

**PRE-CALCULUS 11****(4 credits) (MPREC-11)**

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for post secondary studies in programs that require the study of theoretical calculus (eg: Sciences and Engineering). Topics in Pre Calc 11 include trigonometry, sequences and series, rational expressions, systems, and quadratic, reciprocal and absolute value functions.

**APPRENTICE AND WORKPLACE MATHEMATICS 12****(4 credits) (MAWM-12)**

This course is specifically designed to provide students with the mathematical understandings 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****(4 credits) (MFOM-12)**

This course is designed to provide students with the mathematical understandings 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, relations and functions.

**PRE-CALCULUS 12****(4 credits) (MPREC-12)**

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus, like Mathematics, Sciences or Engineering. Topics include trigonometry, relations and functions (exponential & logarithmic, polynomial, radical, rational, and transformations), and combinatorics.

**CALCULUS 12****(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 MA 12 or MA 12 Honours unless previously completed.

**AP CALCULUS 12****(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's 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. A TI-83 plus calculator is highly recommended for the course.

*\$105.00 exam cost*

## MODERN LANGUAGES

### FRENCH 9

**(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

**(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

**(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

**(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

**(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

**(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

**(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****(4 credits) (MBSP-11)**

This is an introductory course in Spanish for students in Grade 10, 11, and 12. The program, En Español 1 is based on the communicative approach to language learning. All four language skills of listening, speaking, reading and writing, are fully practiced. The vocabulary is composed of everyday expressions, while the grammar is taught in situational exercises that elicit personal reactions from students.

**SPANISH 11****(4 credits) (MSP--11)**

Spanish 11 is a continuation of Beginning Spanish 11. In the En Español 2 program, students are given the opportunity to do more reading, followed by oral discussions in Spanish. Grammar is presented in a sequential manner, and vocabulary is developed through discussions of themes, including camping, shopping, driving, and travelling.

**SPANISH 12****(4 credits) (MSP--12)**

Spanish 12 is a continuation of the Spanish 11 program. In En Español 3 more focus is placed on reading and writing with more advanced grammatical concepts. The communicative approach continues to be emphasized through audio and video materials related to the core program.

## PHYSICAL EDUCATION

### PHYSICAL EDUCATION 9

**(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.

### PHYSICAL EDUCATION 10

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

The classes will be co-ed and multigrade 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 introduces more complex skills and concepts. Fitness is an integral part of all activities.

*\$7.00 for First Aid Book and Certification*

### PHYSICAL EDUCATION 11

**(Applied Skills) (4 Credits) (MPE--11)**

The classes will be co-ed and multigrade 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-DA)**

For students who wish to focus on dance, get fit through this medium and possibly participate in the annual production. Different types of dance forms will be explored (Hip-Hop, Latin, Interpretive, Broadway, Jazz, etc.)

### PHYSICAL EDUCATION 10 SPORTS TRAINING

**(Applied Skills) (4 Credits) (MPE--10-ST)**

This class is a co-ed course for students who would like to learn how to improve on their physical training. We emphasize safety, form, and effective training principles. The class is conducted, under supervision, in the weight training facility. This course is a demanding course, where student achievement is the result of student motivation. A great course for the serious student athlete who would like to improve performance.

### PHYSICAL EDUCATION 11 & 12 SPORTS TRAINING

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

This class is a co-ed course and will be an extension of the Sports Training 10 & 11 courses. Students will extend concepts previously learned. This is a class for students who would like to continue supportive physical training, with the goal of improving physical fitness and physical performance. A demanding but rewarding experience for the motivated.

*\$5.00 for supplementary materials*

**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. A September retreat at Outdoor School (additional cost) introduces the students to the program.

*\$100.00 for supplementary materials and First Aid Certification*

**FITNESS 11/12****(Applied Skills) (4 Credits) (MPE--11-F) (MPE--12F)**

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 they work, the more they will achieve.

**Prerequisite: PE 10**

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

**SPORTS LEADERSHIP 11/12****(Applied Skills) (4 Credits) (YHRA-1B)**

Athletic Leadership 11 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

**(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; Astronomy covers characteristics of the universe and space exploration.

### SCIENCE 10

**(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

**(4 Credits) (MBI--11)**

Biology 11 includes the study of the scientific method, classification, evolution and adaptation, viruses, bacteria, primitive 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 enroll in Biology 11.

### EARTH SCIENCE 11

**(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. This course will look at some of these aspects focusing on a local perspective. 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 an earth science as an academic field, career, or a vocation, this course will also give you the basis for an informed decision.

### BIOLOGY 12

**(BI 11 C+ or higher) (4 credits) (MBI--12)**

Biology 12 involves a study of the following topics: cell biology, human physiology of major body systems; homeostasis in living organisms, and dissection of a fetal pig.

### CHEMISTRY 11

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

This course is the foundation course for students considering writing the AP Chemistry examination in their grade 12 year. 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. After completing this course, students can take AP Chemistry 12 the following year. Students considering Chemistry 11 Enriched should have a strong standing in Science 10 (SC-10), Math 10 (MFMP-10), and are strongly advised to consult with, and receive the recommendation of, their current science teacher.

**CHEMISTRY 12****(Chem 11 C+ or higher) (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.

**CHEMISTRY 12 AP****(4 credits) (ACHE-12)**

The AP Chemistry 12 course is a continuation of the program started in Chemistry 11 Enriched. 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.

*Pre-requisite: Chemistry 11 Enriched*

*\$105.00 AP exam cost*

**PHYSICS 11****(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 11 ENRICHED****(4 credits) (MPH-11-E)**

This course is the foundation course for students considering writing the AP Physics examination in their grade 12 year. The course will cover a general introduction to physics and covers most of the same topics as regular physics 11. Many topics are covered in greater depth than the regular Physics 11 course, and the course has a faster pace. After completing this course, students can take Regular Physics 12 or AP Physics 12 the following year. Students considering Physics 11 Enriched should have a strong standing in Science 10 (SC-10), Math 10 (MFMP-10), and are strongly advised to consult with, and receive the recommendation of, their current science teacher.

**PHYSICS 12****(Physics 11 C+ or higher) (4 credits) (MPH--12)**

The Physics 12 course is an extension of the concepts and problem solving skills developed in Physics 11. It covers Kinematics, dynamics, circular motion and equilibrium in the mechanics section, and electrostatics, circuits and electromagnetism in the electrical component. The concepts developed are applied in problem-solving situations and in laboratory experiments.

**PHYSICS 12 AP****(4 credits) (APHY-12)**

As an extension of the Physics 11 AP Course, this course is a blend of the Physics 12 Provincial Course and the Advanced Placement Physics B Course. Included in this course are the topics in both classical and modern physics covered in Physics 12 as well as Fluid Dynamics, Thermal Physics, Waves and Optics, and Atomic and Nuclear Physics. A knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Understanding of the basic principles involved and the ability to apply these principles in solution of problems is one of the major goals of this course. Students will prepare to write the AP Physics B test in May. A successful result on the AP test can be used as credit towards an undergraduate degree. Students interested in continued studies in the Sciences, particularly Physics and Engineering should consider this option.

*\$105.00 AP exam cost*

## SOCIAL SCIENCES

### PSYCHOLOGY 11

**(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

**(MSS--09)**

This course focuses on the Democratic and Industrial Development of G-7 European countries, and their expansion to North America between 1500 and 1815. It highlights the contributions of the Enlightenment Thinkers and the influence of their philosophies on revolutions, as well as economic and political systems. First Nations' cultures in early North America will be studied together with European exploration and settlement. Geography concepts will complement the historical events presented.

### SOCIAL STUDIES 10

**(4 credits) (MSS--10)**

Social Studies 10 consists of an examination of the factors that have shaped, and continue to shape, Canada and Canadians. Employing economic, geographic and historical perspectives, students will study the exploration of the West, the development of industry and trade, and the advent of Confederation. This course is highlighted in April with an optional five-day Tallship Adventure sailing amongst the Gulf Islands between Victoria and Desolation Sound in the Strait of Georgia.

### SOCIAL STUDIES 11

**(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 economic activities, population growth, standards of living, urbanization, 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

**(4 credits) (MHI--12)**

History 12 is a demanding, academic elective that provides a comprehensive study of the major events of the 20<sup>th</sup> 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****(4 credits) (MGEO-12)**

Geography 12 is an interdisciplinary investigation of both physical and human geography. More specifically, this course examines the many characteristics, processes, distributions and interactions among the physical components of the earth's surface and investigates the relationships between man and his physical environment. Geography 12 is designed to prepare students in making rational decisions regarding the management of the earth as they become responsible citizens in a rapidly changing world.

**COMPARATIVE CIVILIZATIONS 12****(4 credits) (MCCN-12)**

Comparative Civilizations 12 is structured around an in-depth analysis of three civilizations: Classical Greece, Ancient Rome, and Ancient Egypt; further civilizations may be incorporated into our studies. These three 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. This will be done through a discussion of sub-topics that include creation stories and founding myths, social and governmental organization, and art as a source of history and as a reflection of power and status.

**LAW 12****(4 credits) (MLAW-12)**

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

**BC FIRST NATIONS STUDIES 12****(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 9/10**

**(Applied Skills) (MTE--09D)**

**(4 credits) (MTED-10)**

Drafting/Design Technology 10 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 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. 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--9W)**

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. 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 that wish to take Carpentry and Joinery. Skills and techniques learned in Woodworking 9 will be developed with project work.

*\$50.00 for supplementary materials*

**CARPENTRY & JOINERY 11****(Applied Skills) (4 credits) (MCJ--11)**

Students will continue to explore the craft of cabinetmaking. The student 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 dependant on student interest and skill level. Materials must be paid for prior to the start of a project. Woodworking 9/10 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*

**TECHNOLOGY 9/10****(Applied Skills) (MTE--09G)****(4 credits) (MTEG-10)**

Technology 9/10 is a Technology Education course which incorporates both a design and build element. This course is intended for the grade 9 or 10 student that has interest in design and or engineering. Various tools, machines, materials, and processes in the metal and wood shops will be explored throughout the course. The student will design, build, and test solutions for a variety of challenges. Typical design challenges include saving an egg in the pop bottle rocket, building the strongest bridge and creating the fastest CO2 race car.

*\$20.00 for supplementary materials*

**POWER MECHANICS 9/10****(Applied Skills) (MTE--09C)****(4 credits) (MTEC-10)**

The Power Mechanics 10 curriculum incorporates small engine repair as well as basic metal working skills. Students learn the necessary skills to troubleshoot and repair small gasoline powered engines. Safe workshop practices as well as basic metal working skills are also included. This course is highly recommended for any students who wish to study the various automotive systems in Automotive Technology 11.

*\$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. To get the most out of the course, students are encouraged to bring in their own cars to inspect and service. Basic metal working and fabrication will be introduced and encouraged in the course. This may include:

- Welding using both oxy-acetylene and electric arc.
- Oxy-acetylene flame cutting and plasma arc cutting.
- Machining and heat treating a centre punch.
- Use of the English wheel and other sheet metal forming tools.
- Jewelry making.

*\$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*





# HANDSWORTH TIMETABLE

50 Minute Lunch - 15 Minute Break



		WEEK 1					WEEK 2				
		Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday
		(1,2,3,4)	(5,6,7,8)	(2,3,1,4)	(6,7,5,8)	(3,1,2,4)	(7,5,6,8)	(1,2,3,4)	(5,6,7,8)	(2,3,1,4)	(5,7,5,8)
8:30-9:50	1	5	2	6	3	7	1	5	2	6	3
9:50-9:55	Change										
9:55-11:15	2	6	3	7	1	5	2	6	3	7	1
11:15-11:30	15 Minute Break										
11:30-12:50	3	7	1	5	2	6	3	7	1	5	6
12:50-1:40	60 Minute Lunch										
1:40-3:00	4	8	4	8	4	8	4	8	4	8	8