# 2018 – 2019

## Gr. 11- COURSE REGISTRATION WORKSHEET

http://vci.flbsd.mb.ca/maplewood

Name _____ Due Date: April 16th, 2018

## GRADE 11 – Semester 1 & 2 (4 Compulsory – BOLD)

Please check the box next to your choices.

| | | |
|---|---|---|
| ☐ **HIS 30F** | **History** | |
| ☐ **LAC 30S** | **Comprehensive Focus (English) *** | ***Choose 1 English** |
| ☐ **LAL 30S** | **Literary Focus (English) *** | |
| ☐ **PED 30F** | **Physical Education** | |
| ☐ **MAP 30S** | **Applied Mathematics**** | |
| ☐ **MES 30S** | **Essential Mathematics**** | ** **Choose at least 1 Math** |
| ☐ **MPC 30S** | **Pre-Calculus Mathematics**** | |

## OPTIONAL COURSES (Select a minimum of 4)

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|---|---|---|---|
| ☐ ACE 30S | Accounting Essentials *(Business Diploma)* | ☐ FST30S | Family Studies |
| ☐ ART30S | Visual Arts 1A | ☐ HEF30S | Food and Nutrition |
| ☐ BCO 30S | Business Communications *(Business Diploma)* | ☐ IAW30G | Woodworking Technology |
| ☐ BIO30S | Biology | ☐ LWB30S/LWT40S | Life Work Building/Life Work Transitioning |
| ☐ BND30S | Concert Band | ☐ PHY30S | Physics |
| ☐ CCH30S | Concert Choir | ☐ RIT30S | Aboriginal Culture Class *(Reading is Thinking)* |
| ☐ CFS30S/DFS30S | Chassis Fundamentals/Drive Train Fundamentals (*PM Dip.)* | ☐ RTP30S | Retailing Perspectives *(Business Diploma)* |
| ☐ CHE30S | Chemistry | ☐ SC230S | Current Topics in Science - *(Environmental)* |
| ☐ CSC30S | Computer Science | ☐ SC330S | Current Topics in Science - *(Land Management / Water Conservation)* |
| ☐ DRA30S | Drama | ☐ SCI30S | Current Topics in Science - *(Forensics)* |
| ☐ FRE30S | French | | |

**Due to class sizes, there may be a restricted number of students accepted into some courses. Therefore, students will be entered on a "first come, first served" basis. Staff will work to ensure all students receive a proper timetable. Students' final timetable may not look exactly as above.**

**English 30S Comprehensive Focus** (LAC30S)This course continues the focus on the same 5 General Outcomes and the expanded 56 specific outcomes as in Grade 9 and Grade 10. This course provides a balanced program of practical and literary texts and skills.

**English 30S Literary Focus** (LAL30S)This course continues the focus on the same 5 General Outcomes and the expanded 56 specific outcomes as in Grade 9 and Grade 10. This course focuses 70% on literary and 30% on practical reading and writing. To be successful in this course students should have strong reading and writing skills.

**Applied Math 30S** (MAP30S) Applied Math 30S continues the work done in Applied Math 20S. Units include personal finance, technical communications, geometry, data management and analysis, systems of linear equations, precision measurement, linear programming and non-linear functions. A TI-83 graphing calculator is required for this course.

**Essential Math 30S** (MES30S) Continues where Essential Math 20S leaves off. It is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 11 Essential Mathematics is a one-credit course consisting of two half-credits each emphasizing consumer applications, problem solving, decision making, and spatial sense.

**Pre-Calculus Math 30S** (MPC30S) Continues where Pre-Calculus Math 20S leaves off in preparing students for calculus at the university and college level. Many areas of math, science, technologies, and management require calculus. Contains units on quadratic functions, trigonometry, algebra, analytic geometry, geometry, consumer math, logic/proof, and functions. Students will be required to complete 54 twenty-question exercises that are very challenging in order to complete this course. A TI-83 graphing calculator is required.

**Accounting Essentials 30S** (ACE 30S) Accounting Essentials helps students gain an understanding of basic accounting. With an emphasis on accounting for a service business, students will apply their knowledge and skills to complete the stages of the accounting cycle. Accounting Essentials provides the fundamentals of accounting and is a good choice for students who plan to further their finance studies in Accounting Systems. Students interested in pursuing post-secondary studies in any business discipline will benefit considerably by completing this course.

**Visual Art 30S** (ART30S) The overall goal of the art program is to develop visual art literacy in such a way that young people can express themselves visually and understand visual communication and meaningful artistic expression. Students learn to observe, to appreciate, and to understand art through continued discussion of the elements and the principles of art. The course also includes the history and the critique of art, as well as the use of a variety of media. Students are expected to display their work in an art show. Class size is limited by space. There will be a cost to cover materials.

**Business Communications 30S** (BCO 30S) Business Communications focuses on communication skills and techniques that are essential in business. Students will develop effective written, verbal, interpersonal, and visual communication skills. They will also learn how to use current technologies to create communications that are clear, concise, and designed for business. Business Communications is designed for students interested in pursuing post-secondary studies in the business field. It is also a desirable course option for future entrepreneurs or any individual who wants to develop effective workplace communication skills.

**Biology 30S** (BIO30S) Prerequisite: Science 20F This course builds on what students know and are able to do as a result of studies in Science 10G and Science 20F. It continues to retain a human biology focus. Evaluation is based on quizzes, unit tests, group work, laboratory work, and an examination.

**Concert Band 30S** (BND30S) Band classes meet every second day for the entire school year. The Band program covers all types of music from Baroque to Modern 20$^{th}$ Century music. Band skills such as technical, expressive and reading skills are developed and emphasized. Music history, theory and ear training are part of the Band program. The band performs throughout the year. In all band years, the goal is to develop a well-trained and skilled band member. Out-of-class activities include performances at assemblies, concerts, Virden Festival and Optimist Festival (Winnipeg), band tours, and clinics. Enthusiasm and a love of music is required.

**Concert Choir 30S** (CCH30S) The school choral program focuses on singing a wide variety of music. Students sing popular music, and music that goes as far back as the Renaissance Era. Choral skills such as technical, expressive and reading skills are developed. Music history, theory, and ear training are studied through repertoire. Throughout the school year, many chances to perform arise, including a variety of concerts around the community. Some assignments include performances outside of the school day.

**Chassis Fundamentals** (CFS30S) Students study vehicle frame and body design, suspension systems, wheels and tires (construction, inspection, balancing, rotation), brakes and brake systems (construction, operation, inspection and repair), steering geometry, front and rear end parts service and inspection, and wheel alignment theory and service. Students perform total steering, suspension, and brake checks and do a wheel alignment service.

**Drive Trains Fundamentals** (DFS30S) Students study each of the components in the drive train from the engine flywheel to the wheels, including clutch design, operation and repair; manual transmission design, operation and repair; front wheel drive transaxle; transmission drive shafts and front wheel drive shafts; differential design, operation and repair. Students diagnose drive line problems, and learn to remove, install, and repair the components.

**Chemistry 30S** (CHE30S) Prerequisite: Science 20F AND recommend either Pre-Calculus Math 20S or Applied Math. Chemistry opens doors to all the sciences including biology-related fields such as medicine, lab technician, and nursing. Students examine the role of chemistry in the past, present, and future; and the major branches of chemistry. Physical properties and changes in matter are studied. Emphasis is placed upon chemical reactions – how, why, and what quantities of chemicals react with each other. Other units include solubility, acids and bases, and organic chemistry.

**Computer Science 30S** (CSC30S) Prerequisite: Applied Math 20S or Pre-Calculus Math 20S Specifically designed for students who want to learn computer programming. Programming is done using Microsoft Visual Basic. Students will recognize that many of the features in Windows-based programs originate in Visual Basic. This course will allow students to acquire the skills necessary to program their own simple computer games and utilities, incorporating .JPEG visual files and .WAV audio files into their programs. This course will also enhance students' abilities to program their graphing calculators. Students entering Engineering, Management, Computer Science, or Statistics at the university level, or Information Systems Technology, Computer Analyst/programmer, Computer Animation, or Computer Gaming at the community college level, or any other Information Technology (IT) program will find this course very valuable. Also, students in accounting will find that a background in Visual Basic programming will greatly help as they learn how to set up and manage data-base driven accounting programs in college.

**Dramatic Arts** (DRA20S, DRA30S, DRA40S) Students will be expected to participate in-group, duo, and occasional solo activities. Evaluation will be based on a combination of evaluation strategies based on process, progress (emphasizing participation), assessed assignment mark (presentation grade), self-evaluation, and other notations. Dramatic Arts 30S is a practical course in Interpretation of dramatic scripts.

**French** (FRE30S) Using a balanced literacy approach, motivated students will acquire language skills to communicate in French as well as appreciating francophone cultures. Grade 10 students will need to listen actively, to use spoken French to the best of their ability, to read and discuss texts, and to write about topics discussed in class or occurring in their lives. Each grade level builds on past concepts, skills, knowledge, and experiences; each level contains specific communication, experience, and language objectives. Studying French enhances learning of other languages, making one multilingual. The multilingual language learner will see many opportunities for jobs, careers, education, travel and relationships. You will need a device (eg. Tablet or laptop) in order to access Microsoft One Note as well as other online resources.

**Family Studies 30S** (FST 30S) Deals with the social, emotional, intellectual, and physical growth of the child aged two to six. Factors influencing all aspects of child development are included, such as the "play" of children. "Parenting roles" are also discussed, stressing the importance of character building and behavior through the understanding of values, goals, and responsibilities. The practicum, which occurs towards the end of the semester, will consist of observation and interaction at a daycare, preschool or kindergarten setting.

**Foods and Nutrition 30G** (HEF30G) The four units of information include factors affecting family food and health, Canada's food supply, the Canadian mosaic, and preparation of food products. The first unit involves looking at various age groups of families and individuals, and determining the food and nutrient needs for each. Canada's foods supply looks at Canada as a country and the food industry within Canada. Regional differences are important to consider, as is the importing of food. Additives, synthetic foods, new production methods, and marketing of foods are studied.

**Woodworking Technology and Industrial Design 30G** (IAW30G) Prerequisites: Woodworking Technology and Industrial Design 20G
This course is a continuation to perfect and put to use the variety of skills introduced by the 10G and 20G programs. As well as reviewing the knowledge previously learned, students will be introduced to some new processes. Students will be combining the skills and information provided by the program along with their unique ideas and design creativity to construct various projects. The focus of 30G Woodworking is drawers and doors. Topics include safety, tool and process review, new processes and project planning. There is a final project requirement.

**Life/Work Building** (LWB30S) This course teaches students to focus on personal management skills, work as a team, locate work information, plan for post-secondary financial aid, understand life/work balance and transition from high school. In addition to the classroom component, students will have approximately 45 hours at a worksite(s) to apply the specific program outcomes of the course during their Career Community Experiences Unit.

**Life/Work Transitioning** (LWT40S) This course gives students opportunities to internalize all the learning outcomes in a classroom setting and then spend up to 80 hours applying and personalizing these outcomes in their Career Community Experience. The Grade 12 program emphasis is on transition from high school to post-secondary training and preparation for employment.

**Physics 30S** (PHY30S) Prerequisite: Science 20F AND recommend either Pre-Calculus Math 20S or Applied Math 20S. Topics include: Introduction to Physics – Measurement skills, graphics analysis and vectors; Mechanics – Position and displacement, velocity, acceleration, dynamics, impulse and momentum; Fields- Gravitational, electric, magnetic and electromagnetic fields; Waves – Waves in one and two dimensions, sound and light; and Introduction to Modern Physics – Radiation

**Aboriginal Culture Class** (RIT 30S)
Students will be exposed to a variety of cultural experiences connected to Aboriginal Teachings. Students will be expected to participate in hands-on experiences such as beading, crafts, and cooking. Students will also reflect upon aboriginal literature, such as; novels, short stories and poetry connecting them to their own life experiences. This course will be assessed as a pass / fail course, so attendance and participation are essential.

**Retailing Perspectives 30S** (RTP 30S) Retailing Perspectives helps students gain an understanding of retailing from both a theoretical and practical approach. This course provides insight on the various types of retail establishments and forms of ownership. It emphasizes the retailing operations of both a physical and online environment. Retailing Perspectives focuses on the financially sustainable strategies retailers use to appeal to consumers. This course is designed for students interested in managing or owning their own retailing establishment. It is, however, relevant to all students, since, as consumers, they experience retailing as part of their daily lives.

**Science 30S** (SCI30S) Prerequisite: Science 20F Science 30S "Current Topics" course provides an integrated approach to studying science. Multidisciplinary topics will be investigated. Emphasis will be made on developing research, critical thinking, and problem-solving skills. As this course will have less emphasis on knowing scientific facts and information, it will be considered as an option course and not as a prerequisite for post-secondary education. The students will have input into the topics covered by the course. Some possible topics include Forensic Science, Stem Cell Research, Sports Science, Wildfires, Biotechnology Today, Technologies of the Future, Transportation in the Future, Living in Space, plus many other options. Assessment strategies will vary, depending on the nature of the unit. Research projects, lab work, and presentation of material will be considered in the evaluation. There will not be any formal tests. Students who are highly motivated, interested in expanding their scientific knowledge in a different way and are capable of working independently for extended periods of time are the best candidates for this course.

## Other Credit Options:

- Career Development Internship (CDI) / Career For Employment (CFE) – 2 (220 hours)
- Volunteer Work Credits – 2 (220 hours)
- Apprenticeship – 8 (110 hours / per)
- Community Service Credit – 1 (110 hours)