

2020-2021

Gr. 12 COURSE REGISTRATION WORKSHEET

Name _____

Due Date: April 12th, 2021

GRADE 12 – Semester 1& 2 (Choose Minimum of 3 Compulsory – BOLD)

Please check the box next to your choices.

<input type="checkbox"/> PED40F Physical Education (everyone must complete)	
* Choose at least one ELA from below	** Choose at least one Math from below
<input type="checkbox"/> LAC40S * Comprehensive Focus	<input type="checkbox"/> MAP40S ** Applied Mathematics
<input type="checkbox"/> LAL40S * Literary Focus	<input type="checkbox"/> MES40S ** Essential Mathematics
	<input type="checkbox"/> MPC40S ** Pre-Calculus Mathematics

OPTIONAL COURSES – Choose a minimum of 3

<input type="checkbox"/> ADS40S Applied Diagnostic Strategies	<input type="checkbox"/> FRE40S French
<input type="checkbox"/> AES40S Automotive Electrical Systems	<input type="checkbox"/> FST40S Family Studies
<input type="checkbox"/> ART40S Visual Arts 1A	<input type="checkbox"/> GIS40S Global Issues: Citizenship and Sustainability
<input type="checkbox"/> ASY40S Accounting Systems (<i>Business Diploma</i>)	<input type="checkbox"/> IAW40G Woodworking: Construction Technology
<input type="checkbox"/> BIO40S Biology	<input type="checkbox"/> LAW40S Law
<input type="checkbox"/> BND40S Concert Band	<input type="checkbox"/> LWT40S/LWB30S Life/Work Transitioning and Life/Work Building
<input type="checkbox"/> CCH40S Concert Choir	<input type="checkbox"/> MAD45S Advanced Mathematics
<input type="checkbox"/> CES41G Cultural Exploration	<input type="checkbox"/> MCA45S Introduction to Calculus
<input type="checkbox"/> CHE40S Chemistry	<input type="checkbox"/> MDC 40S Marketing and Digital Commerce (<i>Business Diploma</i>)
<input type="checkbox"/> CMH40S Cinema as a Witness to Modern History	<input type="checkbox"/> PHY40S Physics
<input type="checkbox"/> CSC40S Computer Science	<input type="checkbox"/> PSY40S Psychology
<input type="checkbox"/> DRA40S Drama	<input type="checkbox"/> SCI 40S Science 40S (Astronomy)
<input type="checkbox"/> ECP40S Economic Principles (<i>Business Diploma</i>)	<input type="checkbox"/> VS140S Vehicle Systems Part 1
<input type="checkbox"/> FAN40G Foods and Nutrition 40G	<input type="checkbox"/> VS240S Vehicle Systems Part 2

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. The Student Services Staff will work to ensure all students receive a proper timetable. Students’ final timetable may not look exactly as above.

Applied Diagnostic Strategies 40S (ADS 40S)

A student wanting to expand skills in the automotive industry must be able to apply diagnostic strategies to a variety of vehicle systems and components. The students will demonstrate the ability to diagnose and correct customer concerns and to complete vehicle repairs to accepted industry standards.

Automotive Electrical Systems 40S (AES40S)

The automotive electrical system is studied in detail starting with basic electrical theory, using wiring diagrams to troubleshoot electrical problems, battery theory and service, starter and alternator theory and service, computer controlled ignition and fuel system theory, service, and repair. Students can become proficient in diagnosing electronic systems using appropriate test equipment and can become skilled in making repairs to automotive electrical and electronic components.

Visual Art 40S (ART40S)

Students continue their own personal exploration of art through their own expressive styles. Students are expected to submit proposed art projects plus critiques of their own work. Art history and critiques of other works continue to be part of this course to help students arrive at a personal understanding of the nature and function of art in our society. Students are encouraged to use a variety of art media. Students will display their work in an art show. Class size is limited by space.

Accounting Systems 40S (ASY40S)

Accounting Systems is an extension of Accounting Essentials. It includes an introduction to financial analysis and corporate accounting. With an emphasis on accounting for a business merchandising business, students will apply their knowledge and skills to complete the stages of the accounting cycle. The skills acquired in this course are not only useful when pursuing a career in business or accounting, but essential for everyday life.

Biology 40S (BIO40S) Prerequisite: Biology 30S.

This course builds on what students know and are able to do as a result of their studies in Science 20F and the new Biology 30S. The main core units include genetics (heredity, human genetics, genetic engineering, molecular genetics, and bioethics), biodiversity (evolutionary theory, viruses, monerans, protists, fungi, plant kingdom, animal kingdom), and ecology (ecosystem, biomes, community interactions, population ecology field research). Both Biology 30S and 40S include topics of relevance to students and are prerequisites to further study of biology.

Concert Band 40S (BND40S)

Band classes meet every second day for the entire school year. The Band program covers all types of music from Baroque to Modern 20th 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 40S (CCH40S)

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. Choral ensemble 20G, 30S and 40S are a continuation of the previous year. In all the courses, the goal is to develop well-trained and skilled choral member. You do not need to know how to read music before joining the choir. All you need is an enthusiasm for singing and a willingness to perform!

Cultural Exploration 41G (CES41G)

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.

Chemistry 40S (CHE40S) Prerequisite: Chemistry 30S.

The course begins with the nature of chemistry – emphasis is placed upon further developing observation, inference, and communication skills in science. Students generate questions about chemical reactions, and design experiments to help answer these questions. Studies of kinetics, chemical equilibrium, acid-base equilibrium, solubility equilibrium and oxidation-reduction reactions make up the remainder of the course.

Cinema as a Witness to Modern History (CMH40S)

Students will review the history of the world through the eyes of movie directors, studying the biases and truths along the way.

Computer Science 40S (CSC40S) Prerequisite: Computer Science 30S.

This course is intended to offer the student the level of programming available to the prospective college student who intends to major in computer science, mathematics, or engineering. Students will program in Java. Students will learn about inheritance, arrays and GUI's. If a student completes all three sections of computer science they will have completed most of the topics covered in the majority on first year university computer science. Grade 10 or 11 computer science is not required. The course culminates in a final project that gives the students an opportunity to showcase their skills.

Dramatic Arts 40S (DRA 40S)

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 20G is a practical course in presentation skills. Dramatic Arts 30S is a practical course in Interpretation of dramatic scripts. Dramatic Arts 40S is a practical course in theatrical styles.

Economic Principles 40S (ECP 40S)

Economic Principles focuses on both microeconomic and macroeconomic principles including systems and structures, supply and demand, market influences, the global market, and decision making related to economic factors. This course is designed for students wanting to learn more about how the economy impacts their personal and business decisions at a local, national, and

global level. Students will learn more about their role in the economy and how economic conditions affect short and long term decision making. Since everyone is a participant in our economic system, all students would benefit from taking this course. It is also an excellent course for students interested in pursuing post-secondary studies in the area of business, accounting, or economics.

Foods and Nutrition 40G (HEF40G) Approximately one-third of class time is spent preparing and serving recipes. Topics studied include international foods, health conditions related to diet, careers in the food industry, and current nutrition information.

French 40S (FRE 40S)

The French curriculum enhances many aspects of other courses. Students acquire different learning processes, which are only developed by taking a second language. Students read, write, view and speak as they explore different themes. Students are actively involved in their learning at each step of the process. Evaluation is varied and frequent, including a final exam. The French curricula recognize that learning is a gradual and cumulative process. Each grade level builds on past concepts, skills, knowledge, and experiences; each level contains specific communication, experience, and language objectives. Students will work through the course on Blackboard in a face-to-face environment. A second language enhances personal opportunities for jobs, careers, education, travel, and relationships.

Family Studies 40S (FST 40S)

The study of human development continues relating to personal development, and dealing with one's self-concept and self-management. Major topics include social development through effective communication and developing effective relationships including marriage and parenting. The importance of the family unit in society focuses on the entire life cycle from birth to old age.

Global Issues (GIS 40S)

This course is designed to explore complex, and often critical, global issues that our world faces. It is an opportunity to study and discuss current events, and our connections to those events. Study and discussion topics include: Media, Consumerism, Environment, Wealth and Power, Indigenous Peoples, Peace and Conflict, Oppression and Genocide, Health and Biotechnology, Gender Politics, Social Justice and Human Rights.

Woodworking - Construction Technology 40G (IAW 40G)

Prerequisites: Woodworking Technology and Industrial Design 30G

This course appeals to students who enjoy designing and constructing. Besides covering the different stages of house construction, students are given a number of construction challenges to complete both individually and as a group. As well as being an excellent hobby, construction is a great way to express your creativity, to develop problem-solving skills, to save money by doing it yourself and to learn a trade.

Law 40S (LAW 40S)

Develops an understanding of the making of laws, an understanding of the court system in Canada, and an appreciation for the importance of law in our daily lives. Topics include history of law, Canadian Government, criminal law, human rights, contract law, consumer law, family law, and labor law.

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.

Advanced Math 45S / Intro to Calculus 45S(MAD45S/MCA45S)

The prime objective of this course is to introduce the student to areas of mathematics which will be studied in depth in post-secondary programs. Students are introduced to the concepts of limits, derivatives, applications of derivatives and integration. In this course, problem-solving, communication, reasoning, and mental math are some of the themes in each module.

Marketing and Digital Commerce (MDC 40S)

Marketing & Digital Commerce helps students develop an understanding of marketing activities from both a theoretical and practical approach. This course focuses on applying marketing concepts, principles, and strategies in making decisions related to product, price, place and promotion. Students will apply these concepts and their own creativity through hands-on applications and the creation a marketing plan. This course is designed for students interested in a variety of business opportunities, as well as those who are looking to further expand their business knowledge. The course is of interest to a wide range to students, since it teaches skills that are fundamental to all consumers.

Physics 40S (PHY40S) Prerequisite: Physics 30S

Topics include: Introduction to Physics – Relationships, order of magnitude, and vectors; Mechanics – Kinematics, dynamics, projectiles, circular motion, work, energy, fields, electric currents, and electromagnetic induction; and Introduction to Modern Physics – Medical Physics/Radiation

Psychology40S (PSY40S)

This course is intended to introduce students to the exciting field of psychology, to help students gain a better understanding of themselves and others, and to prepare students for postsecondary education in related fields such as social sciences, health related occupations, management, education, etc. This course will cover interesting topics such as the influence of heredity and environment, motivation and emotions, sensation and perception frustration and conflict, personality disorders, learning and thinking and much more. Psychology is fun to learn about because it is all about why we behave, think, and feel the way we do and students will leave this course with a better understanding of themselves and the world around them.

Science 40S (SCI40S) Prerequisite: Science 20F

In Science 40S "Interdisciplinary Topics in Science" students will explore, understand and use essential science concepts in a variety of contexts. (example – Astronomy)

Vehicle Systems (Part 1) 40S (VS1 40S)

A student wanting to develop skills in the automotive industry must have knowledge of the operation of the automotive electronic and control systems. Students' knowledge in electrical systems will be further enhanced by learning principles of ignition, control, and communications systems. The student will be able to diagnose, service and repair ignition, control, and communications systems.

Vehicle Systems (Part 2) 40S (VS2 40S)A student wanting to develop skills in the automotive industry must have knowledge of engine management and emissions systems, hybrid vehicle systems, as well as gas metal arc (MIG) welding. The student will understand the principles of fuel supply, metering, and vehicle emissions. The student will be able to use electronic diagnostic interface to diagnose, service, and repair engine management and emission systems