

## **GRADE 11 COMPULSORY SUBJECTS**

ENGLISH LANGUAGE ARTS – ONE OF:

COMPREHENSIVE FOCUS 30S

TRANSACTION FOCUS 30S

MATHEMATICS – ONE OF:

APPLIED MATHEMATICS 30S

ESSENTIAL MATH 30S

PRE-CALCULUS MATHEMATICS 30S

CANADIAN HISTORY 30S

## **GRADE 11 POTENTIAL ELECTIVE SUBJECTS**

CONCERT BAND 30S

BIOLOGY 30S

CHEMISTRY 30S (years offered 2022, 2024,2026)

CREDIT FOR EMPLOYMENT

DATA COLLECTION AND ANALYSIS 35S & WEB DESIGN 35S

DESKTOP PUBLISHING 35S

DRAMA 30S

ENGINE FUNDAMENTALS & SERVICE 30S

FRENCH 30S

GRAPHIC COMMUNICATION 30G

HOCKEY 31G

HUMAN ECOLOGY (HOME EC) 30G

HSAP (Apprenticeship)

OUTDOOR WILDERNESS EDUCATION 31G

PHYSICS 30S (years offered 2021, 2023, 2025)

PHYSICAL EDUCATION LEADERSHIP 31G

RETAILING PERSPECTIVES 30S

VISUAL ARTS 30S

WEB DESIGN 35S

WOODWORK TECHNOLOGY 30G

## **GRADE 11 COMPULSORY SUBJECTS**

### **ENGLISH LANGUAGE ARTS – ONE OF:**

#### **COMPREHENSIVE FOCUS 30S (1 credit)**

In this course students are taught to think critically and independently about our information based society. Students move beyond awareness of texts to a deeper understanding of and appreciation for a wide variety of texts. Students engage with and compose an equal balance of literary works (plays, novels, poetry, etc.) and transactional works (reports, resumes, and documentaries)

#### **TRANSACTION FOCUS 30S (1 credit)**

In the Transactional Focus, students develop and refine a range of knowledge, skills and strategies, and attitudes that help them function

effectively in various communities. The Transactional Focus emphasizes the pragmatic uses of language: language that informs, directs, persuades, analyzes, argues, and explains. In attaining the learning outcomes of the Transactional Focus, students engage with and compose texts primarily for pragmatic purposes: to gain information or discern another point of view, to compare and weigh ideas, and to conduct daily transactions.

### **MATHEMATICS – ONE OF:**

Students are required to take one of the three mathematics courses. Students may opt to take more than one of the following courses, in which case one would be considered a Complementary Credit. The prerequisite for each would be the Senior 2 Math of the same name.

#### **APPLIED MATH 30S (1 credit)**

This is one of two curricula available for students planning to pursue post-secondary in mathematics and science. The other is Pre-calculus 30S. The approach used in Applied Mathematics is using numerical geometrical problem-solving techniques. Students are required to demonstrate effective communication skills, interpret different media types, and make efficient use of both oral and written communication. Technology is an integral part of Applied Mathematics. The graphing calculator is the primary technology tool used by students.

Topics include:

1. Quadratics
2. Angles and Triangles
3. Trigonometry- Acute and Obtuse
4. Graphing and Systems of Linear Inequalities
5. Geometry of the Circle
6. Measurement
7. Statistics
8. Inductive and Deductive Reasoning

Students are required to take one of the three mathematics courses. Students may opt to take more than one of the following courses, in which case one would be considered a Complementary Credit. The prerequisite for each would be the Senior 2 Math of the same name.

### **ESSENTIAL MATH 30S (1 credit)**

This is one of two curricula available for students planning to pursue post-secondary in mathematics and science. The other is Pre-calculus 30S. The approach used in Applied Mathematics is primarily data driven, using numerical geometrical problem-solving techniques. Students collect data in experiments and activities and develop math concepts from analysis of the data. Students are required to demonstrate effective communication skills, interpret different media types, and make efficient use of both oral and written communication. Technology is an integral part of Applied Mathematics. The graphing calculator is the primary technology tool used by students. The use of spreadsheets, with functions defined by the student is expected.

Topics include:

1. Personal Finance
2. Technical Communication
3. Budget
4. Time Purchase and Investment
5. Geometry of the Circle
6. Calculus Concepts
7. Data Management and Analysis
8. Graphing and Systems of Linear Equations
9. Precision Measurement
10. Linear Programming
11. Non-Linear Functions

### **PRE-CALCULUS MATHEMATICS 30S (1 credit)**

This course is intended for students who intend to study calculus and related mathematics as part of their post-secondary education.

The course comprises, primarily, a high level of study of theoretical mathematics with an emphasis on problem solving and mental mathematics. Students are required to learn concepts through practice and regular homework.

Topics include:

Quadratic Functions

Quadratic Equations

3. Trigonometry

4. Arithmetic and Geometric Sequences

5. Rational Expressions

6. Graphing Absolute and Radical Functions

7. Absolute Value and Radicals

8. Graphing Reciprocal Functions

### **CANADIAN HISTORY 30F (1 credit)**

The purpose of this course is to seek to impart to students an understanding of Canada today – a nation North American in environment, British in political tradition, multi-ethnic social patterns, bilingual by law.

This curriculum is organized around the following five themes:

1. First Nations, Metis and Inuit Peoples

2. French-English Relations

3. Identity, Diversity and Citizenship

4. Governance and Economics

5. Canada and the World

### **GRADE 11 ELECTIVE SUBJECTS**

#### **CONCERT BAND 30G (1 credit)**

The Grade 11 Band program is open to any student who has completed four years of instruction on a Brass, Woodwind, or Percussion instrument. The program offers a wide variety of styles of music in both

the full band and small ensemble setting. Students participating in the Band program will be expected to perform at various concerts and school functions during the year.

### **BIOLOGY 30S (1 credit)**

This is the first year of a two-year program in the science of living organisms. Biology is a valuable course for students planning to go on into biological, medical, agricultural or ecological studies after high school. Biology 30S begins with the basic features common to nearly all forms of life, such as characteristics of living things, cell structure and activities, life functions, energy supply, organic compounds, cell reactions and cell reproduction. Major systems of the human body are taken in detail, including circulation, digestion, respiration, excretion, reproduction, endocrine and nervous system. Some dissection required.

Pre-requisite: Science 20S

### **CHEMISTRY 30S (1 credit) (years offered 2022, 2024, 2026)**

This course is divided into six major units as follows:

1. Chemistry in a Changing World
2. Physical Properties and Changes
3. Chemical Reactions
4. Solubility
5. Organic Chemistry

Pre-requisite: Science 20S. It is recommended that students have a solid math background. Students should have completed 20S Pre-Calculus or 20S Applied Mathematics.

### **CREDIT FOR EMPLOYMENT (1/2-1 credit)**

Credit for Employment will allow students to earn high school credit for paid work experience, and to encourage and recognize the skills development and experience gained through employment. These guidelines can be used by educators, administrators, parents and

students to support the planning, monitoring, evaluating, and reporting of student experiences related to the Credit for Employment (CFE). CFE offers students, who are a minimum of 16 years of age and/or in Grade 11 or Grade 12, the opportunity to earn a high-school credit in Credit for Employment. The CFE allows students to implement career development principles such as essential employability skills into the authentic context of work. Through employment, students will have an opportunity to apply and refine the knowledge and skills acquired in the Career Development Life/Work courses. Furthermore, the CFE will provide students with valuable workplace experience that will contribute to their career-life planning. The credit(s) for Credit for Employment are Grade 11 one-half (0.5) credit 35G or the full (1.0) credit 30G and the Grade 12 one-half (0.5) credit 45G or the full (1.0) credit 40G. Number of CFE Credits Allowed the Career Development Life/Work courses provide a foundation for students that will help prepare them for participation in the CFE credit. To be eligible to participate in the CFE, a student must either complete a minimum of a half-credit (0.5) Career Development Life/Work course prior to registering for the CFE or they must complete a minimum of a half-credit (0.5) Career Development Life/Work course while they are completing a CFE. The maximum number of CFE credits allowable in the calculation of a student's Senior Years graduation credit requirements is two (2.0) credits. A student may earn one (1.0) full credit by undertaking and successfully completing a CFE for a minimum of 110 hours of approved employment. A student may earn one-half (0.5) credit by undertaking and successfully completing a CFE for a minimum of 55 hours of approved employment. A student may earn either the 30G credit (1.0) or the 35G half-credit (0.5), but not both. A student may also earn either the 40 G credit (1.0) or the 45G credit (0.5) but not both.

### **DATA COLLECTION AND ANALYSIS 35S (1/2 credit)**

#### **WEBPAGE DESIGN 35S (1/2 credit)**

This course provides students with skills & knowledge to collect, organize, manipulate and analyze data by solving problems using spreadsheets. In addition, students will learn about, design, develop and publish a simple website. We will also learn how to properly type. Topics covered are: Technology & you, Evolution of technology, Data & information, Spreadsheets & Web Design

#### **DESKTOP PUBLISHING 35S (1/2 credit)**

Students expand skills learned and applied in Print Communications to learn how to attractively set-up pages with pictures and text, appropriate for the school yearbook.

#### **DRAMA 30S (1 credit)**

This course allows students to practice and further develop their dramatic skills and extends the experience to include more script work and an introduction to elements of theatre production. Students will develop rehearsal and performance skills, formal and informal character development through improvisational skills, performance exercises, student group projects, and script writing.

#### **ENGINE FUNDAMENTALS & SERVICE 30S (1 credit)**

A student wanting to develop skills in the automotive service and repair industry must have knowledge of the basic principles of the internal combustion engine and the inner workings and relations of the engine components, as well as how they relate to vehicle operation. The student will learn the procedures to service, repair, and replace engines and their components. They will also learn about the mathematics required for the automotive trade. This course focuses on the following unit in the Apprenticeship Manitoba Level 1 technical training:

Q Unit A5: Trade-Related Mathematics

Q Unit A6: Engine Fundamentals



It also focuses on the Trade Safety Awareness Manual.

### **FRENCH 30S (1credit)**

This course provides a content or theme-based approach to the learning of a second language, with emphasis on oral communication. Students are encouraged to interact with the teacher and with one another in a communicative context on themes and subjects that are considered to be of interest to them. Aside from oral interaction and presentations, students will learn reading skills and will learn vocabulary and grammatical structures for the written language. Making students aware of French and French-Canadian culture is also an integral part of the course. Plays and skits performed in French as well as interactive communicative games will be an integral part of studying French language and culture in the classroom. The language of instruction will be mainly in French.

Pre-requisite: French 20F

### **GRAPHIC COMMUNICATIONS 30G (1 credit)**

This course will consist of concepts pertaining to Drafting, and Graphic Design. Some processes it will cover are vinyl cutting, perspective drawing, technical drawing, photo and image manipulation, and 3D printing. Some programs that we will be covering are, various AutoCAD programs, Photoshop Elements, 3D and vinyl cutting software.

### **HOCKEY 31G (1 credit)**

The aim of this course is to provide a unique program of study to meet the individual needs of highly motivated students. The learning outcomes will be delivered by a variety of meaningful instructional strategies. This course is being offered to meet an emerging need for the development of sports school programs in Canada. This course will

allow students at Teulon Collegiate to have access to an intense program of hockey instruction based on Theory, Technical and Dryland Training Units. Dryland: Weight Training, skill stations, circuit training, cross training and fitness training. Theory: Study of International Hockey, Issues in Canadian Hockey, Sports Psychology as well as other topics. Technical: Fundamental Skill Development, Power Skating, Individual Tactics, Team Tactics, Position Specific Skills and Strategies, Team Play Systems and Special Team Systems. Students can take this course each year grade 9 to 12 and if they did not take the class the previous year they can still take hockey for the grade level they are at. This course is geared to the individual and what level of play they are at when they take the course. Many Students have found the class beneficial to improving their individual hockey skills.

### **HUMAN ECOLOGY (HOME EC) 30G (1 credit)**

This course consists of two areas: Foods & Nutrition and Child Development. In Foods & Nutrition we discuss the nutrients and other areas of interest such as anorexia nervosa, bulimia, and fad diets. In Child Development, we learn about children from conception until age five. A practical component (day care experience) is offered.

### **HSAP (Apprenticeship) (1-8 credits possible)**

#### **What is the High School Apprenticeship Program?**

- A program offered by Teulon Collegiate where you can get credits for working in an approved trade and GET PAID FOR IT!!!

#### **How do you qualify for the HSAP?**

- You must be in Grade 11 or Grade 12
- You should be 16 years of age
- You must cover compulsory requirements in Grades 9-12

#### **Why enter the Apprenticeship Program?**

- You are linked to real opportunities in the job market
- There is the chance to use state-of-the-art technology at work
- It is an access route to further apprenticeship training

- Many trades are forecasting a shortage of employees in the near future

- HSAP balances your schooling and on-the-job training

- You will receive a credit for every 110 hours of training

- You may earn up to 8 credits to be used towards graduation requirements

Grades are determined using Apprenticeship Branch competency lists

- On the job hours can be applied to continued apprenticeship training

- You will earn minimum wage + 10%

### **How do I register?**

#### **You are responsible for:**

- Determining a trade of interest

- Finding your own employer in an approved trade that is willing to take you on as an apprentice (the employer must be qualified and insured)

- Completing the apprenticeship agreement. Your parents and your employer will also have to complete parts of the form and sign the agreement

### **What are the approved trades?**

You have access to career opportunities in a number of trades. They are:

- Electric Motor System Technician

- Industrial Electrician

- Industrial Instrument Mechanic

- Industrial Mechanic (Millwright)

- Industrial Welder

- Machinist

- Power Electrician

- Steel Fabricator

- Tool and Die Maker

- Agricultural Equipment Technician

- Aircraft Maintenance Journeyperson

- Heavy Duty Equipment Technician

- Marine and Outdoor Power Equipment Technician

- Motor Vehicle Body Painter
- Motor Vehicle Body Repairer
- Motor Vehicle Mechanic
- Transport Trailer Technician
- Truck and Transport Mechanic
- Bricklayer
- Cabinetmaker
- Carpenter
- Concrete Finisher
- Glazier
- Ironworker
- Lather (Interior Systems Mechanic)
- Painter and Decorator
- Roofer
- Construction Electrician
- Crane and Hoisting Equipment Operator
- Refrigeration and Air Conditioning Mechanic
- Plumber
- Sheet Metal Worker
- Steamfitter - Pipefitter
- Sprinkler System Installer
- Pork Production Technician
- Landscape Technician
- Cook
- Parts Person

If you have any further questions please feel free phone me at 886-2593.

Thank you.

Mr. J. Darragh HSAP Co-ordinator

## **OUTDOOR WILDERNESS EDUCATION 31G (1 credit)**

Rationale:

Experiencing the outdoors can be a powerful stimulus for learning. Being deep in a forest, feeling alone on a hillside or just sharing a cup of tea around a fire can set us off on a path that changes the way we think about ourselves, our relationships and the way we live our lives.

We want to explore:

- Being outdoors as an educational experience – and what we can do to deepen learning and support change.
- How learning can be ‘brought back home’ – the ways in which experiencing the outdoors can become part of people’s everyday lives and relationships.
- Developing community capacity – how we encourage and help adults and young people in local communities to see the importance of outdoor experience and take opportunities to enjoy and learn from it. Being in a different place encourages reflection and a new perspective on:

- ourselves
- the groups of which we are a part, and
- the world around us.

Preparation is essential to make this happen – both in terms of shaping the program and making practical arrangements.

### **PHYSICS 30S (1 credit)**

This course in Physics serves a more valuable purpose than simply the acquiring of basic information in the form of facts, principles and formulae:

1. It provides an understanding of scientific principles both in their application to human needs and the effects of science and technology upon the individual in society
2. It is designed to develop the student’s ability to visualize relationships between a scientific principle and its mathematical formula, and provide training in applying these formulae to solve simple problems illustrating their application in the control of matter and energy

3. It provides the student with an opportunity to do some individual experimentation to develop his/her powers of observation and increase his/her ability to gather, interpret and analyse data independently. Such experience should enable him to acquire some facility in handling scientific apparatus, providing opportunity to test the accuracy of his/her measurements, to draw generalizations from his/her results, and become acquainted to some small degree with the experimental technique of scientific investigation.

Topics included:

1. Measurement (data, graphs, and function, scientific notation)
2. Kinematics (Linear motion, vectors, curved motion)
3. Dynamics (Newton's Laws of Motion, earth's gravity, universal gravitation, momentum, energy (kinetic and potential))
4. Labs on the above topics
5. Optional topics: "Facts"; Energy; Science projects

Pre-requisite: Science 20S

### **PHYSICAL EDUCATION LEADERSHIP 31G (1 credit)**

This is an optional course consisting of a physical education component and a leadership component, similar to the senior 3 course. The Phys. Ed. Component consists of five activity units each lasting approximately one month. A variety of activities will be offered depending on class size, weather and availability of equipment and facilities. The leadership component of the course involves organizing and running intramural activities, interscholastic events, and a variety of other school activities.

### **RETAILING PERSPECTIVES 30S (1 credit)**

This course provides a basic introduction to the skills and practices required in job entry-level positions in retail merchandising. RT30S provides vocational preparation both for students seeking part-time retail employment and for those who choose to leave school for full-

time employment. Students study the four P's (product, place, price and promotion) and the two C's (competitions and consumer) of Retailing.

### **VISUAL ART 30S (1 credit)**

In this course students will use the concepts studied in 20S and practice artistic expression with a variety of mediums and a for a variety of purposes.

(Anatomy, Expressionism & Community)

- Gesture Drawing (Twice a year)
- Drawing Unit (Basic Skills, Anatomy of the body, skeleton system, 12 techniques object drawings x 2)
- Pen & ink (Pointillism & Crosshatching, people)
- Painting Unit (Acrylic & Watercolour, people)
- Sculpture Unit (Concept Drawing, Abstract paper, complimentary colour paper, Nature VS built environment paper, Paper Mache person, Plaster 500ml)
- Final Project (expressive, community, principles and elements of art)
- Art appreciation (4 styles of art, Focus on EXPRESSIONISM, Elements & Principles, Project on a famous artist)
- Art History (1600's – Non Western Art)

Homework: One sketch per week in sketchbook

### **WOODWORKING TECHNOLOGY 30G (1 credit)**

Students will cover different aspect of wood working including such topics as: safety; design & planning of furniture/casework; advance wood joints; furniture and cabinet applications, advanced adhesives, advance preparation for finish, advance wood finishing, advanced wood turning operations, mass production, tooling, construction and drafting. Students will also learn useful information about hand tools, such as processes they should be used for, selection, and maintenance.