

# SUBJECT SELECTION GUIDE 2019-2020



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## COMMIT TO G.R.I.T.

Principal: Mr. T. Andrusiak  
Vice-Principal: Mrs. C. Messer  
Vice-Principal: Mr. D. Painchaud  
Academic Counselor: Mrs. M. Clarke

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Subject Selection Guide 2018-19

## A. GENERAL INFORMATION

Tisdale Middle & Secondary School offers a wide selection of courses that will meet graduation needs while allowing the exploration of many areas of learning. The following is an outline of compulsory educational requirements and guidelines for the selection of optional subjects. Course descriptions on the following pages are provided to assist you. Please feel free to contact us at 306-873-2352 for more details or to arrange a personal visit with the academic counselor. We ask that students share this material with parents/guardians so they can fully participate and assist in decisions made.

### CHANGES IN CLASSES

Allocation of staff and the preparation for the timetable will be made on the basis of the secondary subjects at TMSS 2019-20 that students select on the online NESD program called **myBlueprint**. Once student timetables are created, there will be an opportunity to make changes before the semester begins. Once classes begin, changes to classes will be discouraged except where there are extenuating circumstances. Parents, the academic counselor, and the school's administration must all approve changes in classes.

### CLASS WITHDRAWALS

Once a student has been attending a class, a request to withdraw must have teacher, parent/guardian, student services and administrative approval on the green form. A student must continue to attend this class while this withdrawal request is being processed.

### SPECIAL SITUATIONS

Out of province transfers, physically challenged students, etc. may apply to have some requirements waived or altered where necessary. Such situations are evaluated by the school and by Saskatchewan Ministry of Education on a case-by-case basis.

### SASKATCHEWAN CREDIT REQUIREMENTS

Saskatchewan students must attain a minimum of 24 credits to graduate. The following grade requirements are outlined:

## GRADE 10 REQUIREMENTS:

TMSS requires Grade 10 students take 10 credits

- English Language Arts A 10
- English Language Arts B 10
- History 10
- Science 10
- Wellness 10
- Mathematics Workplace and Apprenticeship 10
- Mathematics Foundations and Pre-Calculus 10
- 3 Electives

TMSS students must take Mathematics Workplace and Apprenticeship 10 and Mathematics Foundations and Pre-Calculus 10, unless otherwise approved by the principal.

## GRADE 11 REQUIREMENTS:

TMSS requires Grade 11 students take **minimum 9** credits, unless otherwise approved by the principal.

- English Language Arts 20
- At least one 20 level Mathematics
- At least one 20 level Social Science
- At least one 20 level Science
- 5 Electives any level

The minimum mathematics requirement for graduation is a math at the 20 level.

The minimum science requirement for graduation is a science at the 20 level.

Minimum one social science is required for graduation

## GRADE 12 REQUIREMENTS:

TMSS requires Grade 12 students take **minimum 8** credits, unless otherwise approved by the principal.

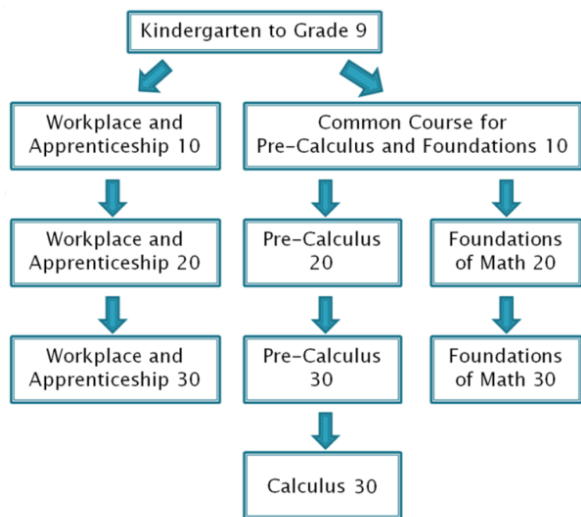
- English Language Arts A 30
- English Language Arts B 30
- History 30 or Native Studies 30
- Minimum 5 classes at the 30 level are required to graduate

Minimum two classes from Practical & Applied Arts and/or Arts Education at the 10, 20, or 30 level are required to graduate.

At least one Wellness 10 or Physical Education 20 or Physical Education 30 is required for graduation.

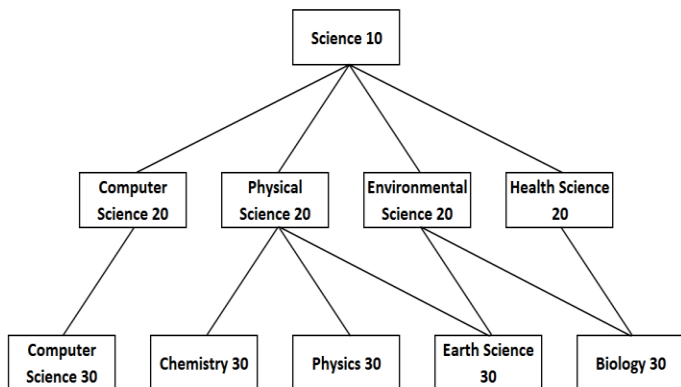
### SENIOR MATH PROGRAM

Each course in a pathway is a pre-requisite to the subsequent course in that pathway. Students may take courses in another pathway but must have the pre-requisite course. The graduation requirement will be a level 20 course. Calculus is not part of the WNCP framework but it will continue to be offered as a course option following Pre-Calculus 30.



### SENIOR SCIENCE PROGRAM

Each course in a pathway is a pre-requisite to the subsequent course in that pathway. Students may take courses in another pathway but must have the pre-requisite course. The graduation requirement will be a level 20 course. Earth Science 30 is not offered at NESD.



Classes are scheduled on the basis of student demand. Where there is insufficient interest, a class will not be scheduled. In the following pages you will find the program descriptions of classes. Please carefully study the information before you complete a course selection form.

### B. ARTS EDUCATION

#### Visual Art 10

Pre-requisite: None

Credit: 1.0

This course will build on the skills, media and theory explored in Arts Ed 9. Students will continue to develop self-expression and technical skills through four major areas (drawing, painting, sculpture and printmaking), several genres (still life, portraiture, figure, landscape, nature and architecture) and a variety of media (graphite, coloured pencil, charcoal, conté, pastel, ink, acrylic, watercolour, clay, wire, glass, paper/cloth maché). Students will also be given an opportunity to complete an independent project of their choice at the end of the semester.

#### Visual Art 20

Pre-requisite: None

Credit: 1.0

Students will build on previous artistic experience while focusing on major styles/movements of art throughout history. Styles such as Realism, Impressionism, Expressionism, Cubism, Surrealism and Abstraction will be related to assignments. A variety of projects will be produced using media which may include graphite, coloured pencil, charcoal, conté, pastel, ink, acrylic, watercolour, collage, and clay. Students will continue to use a journal book for planning, practice and research and will be given an opportunity to explore independent study projects as well as work on the potter's wheel. They will also be able to participate in regular class critiques.

#### Visual Art 30

Pre-requisite: None

Credit: 1.0

This course is intended for committed art students who wish to advance their skills and design repertoire. Students selecting this course should have an interest in working independently, generating original ideas and producing quality work. Canadian art history and art criticism will be explored in an in-depth manner and students will participate in regular class critiques. Students will also be given a field trip opportunity to critique an art exhibition at a local gallery. Media may include graphite, coloured pencil, charcoal, conté, pastel, ink, acrylic, watercolour, collage, clay, wire, paper and plaster using singular and mixed media approaches. Students will continue to use a journal book for planning, practice and research and will be given an opportunity to explore independent study projects during the semester.

**Band 10**

Pre-requisite: Band 9 or previous music experience with special permission Credit: 1.0

This course is designed to enhance individual skills on his/her instrument, expression and interpretation of musical ideas through performance in band (ensemble as well as solo). Some basic musical theory will be included.

**Band 20**

Pre-requisite: Band 10 or previous music experience with special permission Credit: 1.0

This course is designed to enhance individual skills on his/her instrument, expression and interpretation of musical ideas through performance in band (ensemble as well as solo). Some basic musical theory will be included.

**Band 30**

Pre-requisite: Band 20 or previous music experience with special permission Credit: 1.0

This course is designed to enhance individual skills on his/her instrument, expression and interpretation of musical ideas through performance in band (ensemble as well as solo). Some basic musical theory will be included.

**Drama 20**

Pre-requisite: None Credit: 1.0

This course is an activity-oriented class with participation in a stage production as a required element. The technical aspects of drama are explored in depth and theory is applied through project work pertaining to a specific stage production.

**Drama 30**

Pre-requisite: None Credit: 1.0

This course is an activity-oriented class with participation in a stage production as a required element. The process involved in creating an original collective is a major focus in this class. Acting and vocalization skills are also stressed. Written assignments and projects are also a component of this class.

**C. LANGUAGES****English Language Arts A 10**

Pre-requisite: None Credit: 1.0

English 10 combines the four strands of oracy, listening, writing and reading with representing and viewing in the study of literature. In English A, the poems, short stories, essays, novels, plays and other selections focus on the themes of Mysteries of Life and Challenges.

**English Language Arts B 10**

Pre-requisite: None Credit: 1.0

English 10 combines the four strands of oracy, listening, writing and reading with representing and viewing in the study of literature. ELA B10 themes include Equity and Ethics as well as The World Within and Around Us.

**English Language Arts 20**

Pre-requisite: English Language Arts A 10 and English Language Arts B 10 Credit: 1.0

This is an integrated course, following the thematic approach. It deals with the literature of humans as they look inside themselves, or more precisely, as they see their role in society throughout the aging process. The themes include “Recollections – A Journey Back” and “Anticipation – On The Threshold”. Specific selections are chosen to meet appropriate learning objectives.

**English Language Arts A 30**

Pre-requisite: English Language Arts 20 Credit: 1.0

In this class we explore through our literature - in all its forms – the issues that influence Canadian culture and Canadian identity. In Unit One, Canadian Perspectives: Distinct and Rich, we question: What does it mean to be Canadian? What sort of people are we? How do we express and convey our identity as a people? What are our values, and how do we demonstrate them within and beyond our borders? How do our visual, oral, print, and multimedia texts reveal what it means to be Canadian? How does diversity benefit Canada and Canadians? In the second unit, Canadian Landscapes: Diverse and Dynamic, we explore how the landscapes are revealed through the texts of our peoples. How has this vast land shaped individuals, cultural groups, and nations of people within Canada? How do the landscapes in which we live influence our thinking, our ways of being, and our interactions with others? How and why is the understanding of landscape changing?

**English Language Arts B 30**

Pre-requisite: English Language Arts 20 Credit: 1.0

This integrated course is issue-orientated and reflects a global perspective of human concerns facing contemporary society. Traditional and contemporary literature from around the globe is used to meet specific learning objectives. The two suggested themes are “The Human Condition – The Search of Self” and “The Social Experience – Beyond Personal Goals”.

### **Journalism 20**

Pre-requisite: English Language Arts A 10 or English Language Arts B 10      Credit: 1.0

Journalism 20 is concerned with the role of journalism in a democracy and with helping students grow in their language skills, particularly writing. The course will help students learn to gather, write, edit, publish, and produce news and other information for print and electronic media. In this course, students will also become knowledgeable about journalism and learn to organize their time, meet deadlines, think objectively, develop original styles, and gain experience in communicating clearly and effectively. Students will be responsible for the production of the yearbook.

## **D. LOCALLY DEVELOPED PROGRAMS**

### **Computer Animation Technology 20**

Pre-requisite: Design Studies 10      Credit: 1.0

Computer animation can be broken down into 3 basic parts: Modeling, Texturing and Animation. In this course the focus will be on modeling, with some time given to texturing and a basic introduction to animation. In modeling students will learn about polygon modeling vs. NURBS modeling, subdivision surfaces, and kinematics. Students will also learn to properly render a scene with correct lighting and shading. Creativity will play a major role in this class. This class is tutorial based and will require a high degree of self-motivation.

### **Outdoor Education**

#### **(Environmental Science 20 & Physical Education 20)**

Pre-requisite: Science 10      Credit: 2.0

This is a unique program where we combine learning about living things with adventures in the outdoors. This course includes learning about how living things develop their characteristics through evolution. Students will use a microscope to look at cells and dissect many different organisms. Our class is 80% outdoors and 20% inside. We learn most of our outcomes during our outdoor activities. Some of the outdoor activities will be cross country skiing, snow battles, building snow shelters, snowshoeing, ice fishing, wall climbing, taking aerobics classes, camping, swimming, fishing, hiking, canoeing, raising fish eggs and stocking the trout ponds, and also participating in a 5 km run in Saskatoon. Students will be expected to have access to a variety of supplies including tents, sleeping bags, shovels, fishing rod, and some camping equipment. Students will receive a credit for Environmental Science 20 and Physical Education 20. You must fill out an application before the given deadline and there will be a selection process for this class.

### **Personal Finance 30**

Pre-requisite: None      Credit: 1.0

The areas covered in the course are relevant to high school students and cover issues and topics they will encounter in the future – in both post-secondary education and the workforce. This course seeks to give students the knowledge and skills they need to be financially literate and operate successfully in the business world, and their personal lives. Topics that will be covered include: Economics of Personal Finance, Decision Making and Money Basics, Banking Services, Income and Taxation, Budgeting, Savings and Investing, Credit and Credit Cards, Consumer Protection, and Renting, Leasing and Buying. Recommended for Grade 12 students.

## **E. MATHEMATICS**

### **Workplace and Apprenticeship Math 10**

Pre-requisite: None      Credit: 1.0

This course is designed to provide students with the mathematical understanding and critical thinking skills necessary for entry into the majority of trades and direct entry into the workforce. It is a pre-requisite for Workplace & Apprenticeship 20. Topics include: unit pricing and currency exchange, income and pay statements, measurement (imperial and metric systems), geometry and trigonometry.

### **Foundations of Mathematics and Pre-Calculus 10**

Pre-requisite: None      Credit: 1.0

This course is designed to provide students with the mathematical understandings and critical thinking skills necessary for entry into most post-secondary studies. It is a prerequisite for Foundations of Mathematics 20 and Pre-Calculus 20. Topics include: measurement (surface area and volume), trigonometry, factoring, radicals, relations and functions.

### **Workplace and Apprenticeship Math 20**

Pre-requisite: Workplace and Apprenticeship Math 10      Credit: 1.0

This course is designed to be a continuation of Workplace and Apprenticeship 10. It is geared toward those students interested in trades, technical schools or the workforce. Topics include: trigonometry, slope, 3-D objects and scales, personal budgets and financial planning, compound interest, financial institution services and data management.

**Foundations of Math 20**

Pre-requisite: Foundations of Math and Pre-Calculus 10  
Credit: 1.0

This course is designed to provide students with the mathematical understandings and critical thinking skills necessary for entry into most post-secondary studies. Topics include: inductive and deductive reasoning, proportional reasoning, properties of angles and triangles, cosine and sine law, statistics, linear inequalities and quadratic functions.

**Pre-Calculus 20**

Pre-requisite: Foundations of Math and Pre-Calculus 10  
Credit: 1.0

This course is designed for students going on to post-secondary studies, specifically engineering, architecture or other math and science related fields. Topics include: absolute values, radicals, rational expressions, trig ratios, cosine and sine law, factoring, quadratic functions and equations.

**Workplace and Apprenticeship Math 30**

Pre-requisite: Workplace and Apprenticeship Math 20  
Credit: 1.0

This course 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: trigonometry and measurement, transformations, logical reasoning, measures of central tendency, linear relations, probability, business and financial mathematics.

**Foundations of Math 30**

Pre-requisite: Foundations of Math 20 Credit: 1.0

This course 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 include: financial decision making, logical reasoning, counting principles, probability, polynomial functions, periodic functions, logarithmic and exponential functions.

**Pre-Calculus 30**

Pre-requisite: Pre-Calculus 20 Credit: 1.0

This pathway 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. Topics include: the unit circle, trigonometric functions, trigonometric equations and identities, logarithmic and exponential functions and equations, counting principles, transformations and composition of functions, radical functions, rational function and polynomial functions.

**Calculus 30**

Pre-requisite: Pre-Calculus 30 Credit: 1.0

This course offers an introduction to concepts needed for a first year university calculus. The derivative and the integral, along with their applications to various disciplines (like business and science) are studied. Curve sketching is also dealt with at length.

**F. PHYSICAL EDUCATION****Wellness 10**

Pre-requisite: None Credit: 1.0

Wellness 10 is a compulsory course. It is an integration of a physical component and a health component. While the physical component focuses on fitness and coordination, the health component develops awareness of health and gives the students an opportunity to practice making decisions and to act on them in order to achieve optimal levels of physical and mental wellness for a lifetime. Volunteer hours are a requirement for this credit.

**Physical Education 20**

Pre-requisite: None Credit: 1.0

This course emphasizes in-depth coverage of group (team) physical recreational activities. It is an ACTIVITY based course stressing the physical and social benefits of lifetime activity. All facets of school and community activity are explored. Fitness and sport knowledge are major goals.

**Physical Education 30**

Pre-requisite: None Credit: 1.0

This course focuses mainly on lifetime physical recreational activities and skills. Individual and small group activities (school and community) are stressed although a great variety of activities are done recreationally. Although primarily an ACTIVITY based class, other components of fitness, recreations and sports, researching and peer teaching are also included. Awareness of, and desire for a healthy active lifestyle are important underlying themes.

**G. SCIENCE****Science 10**

Pre-requisite: None Credit: 1.0

This course addresses three major themes: Climate and Ecosystem Dynamics, Chemical Reactions, and Force and Motion in Our World. In the first, students examine factors that influence Earth's climate and ecosystems, the role of feedback mechanisms within those systems, and the interdependence between climate and ecosystems.

Chemical Reactions builds on student understanding of atoms and elements by examining the ways in which chemicals react to form new substances and how to represent chemical reactions using models, words, and equations. The third theme enables students to collect and analyze data from a variety of moving objects and to examine the role of force in causing changes to the motion of an object. Students will also investigate career paths related to the various disciplines and sub-disciplines of science.

### **Environmental Science 20**

Pre-requisite: Science 10 Credit: 1.0

Students will learn how to examine local and global environmental issues from a systems perspective while considering the effects of human actions and a growing global population on the climate and environment, as well as the effects of the environment on human health. They will explore the mechanisms and importance of aquatic and terrestrial ecosystems and the sustainability of past and current practices and technologies humans have developed to live with and within the environment. Units consist of : Nature of Environmental Science, Atmosphere and Human Health, Human Population and Pollution, Aquatic Ecosystems, Terrestrial Ecosystems and a student directed component. This course is a pre-requisite for Biology 30.

### **Health Science 20**

Pre-requisite: Science 10 Credit: 1.0

This course is a hands on course developed for students who are interested in making sound personal health choices. Students will examine the philosophies that guide health care and consider many ethical decisions. Understanding the basic anatomy and physiology of the human body will provide a context for studying the normal and abnormal functioning of various systems, including the role of nutrition and metabolism. Students will also examine diagnostic tools and procedures and how they are used to inform treatment. Health science 20 includes a variety of labs to enhance learning. Students have the opportunity to role play while being doctors and diagnosing celebrity patients. This is the class where you have the chance to learn about how your body works.

### **Physical Science 20**

Pre-requisite: Science 10 Credit: 1.0

This course combines chemistry and physics in an integrated manner to investigate concepts related to heating and cooling, the foundations of chemistry, including the mole and quantitative analysis of molecules and chemical reactions, and the characteristics and properties of waves. An overarching theme is the study

of the enterprise of public and private science as it occurs in agriculture, industry, and universities to help students better understand various physical science related career paths. Student inquiry will guide independent investigations of physical science phenomena.

### **Biology 30**

Pre-requisite: Health Science 20 or Environmental Science 20 Credit: 1.0

The major themes of this course are to examine the significance of evolution as a key unifying theme in biology and to explore what life is and how it changes over time. Students will examine the organization of life in all kingdoms through the study of biomolecules, cellular processes, and organism function. In genetics and biotechnology, students will explore inheritance, and how information is stored, transmitted, and expressed at chromosomal and molecular levels. Student inquiry will guide independent investigations of biology-related phenomena. Students will have the opportunity to have some hands on learning with the utilization of microscopes and dissection of organisms.

### **Chemistry 30**

Pre-requisite: Physical Science 20 Credit: 1.0

Chemistry 30 consists of four units: materials science (bonding, intermolecular and extramolecular forces, & organic compounds), equilibria (equilibrium, solutions, and acid-base reactions), electrochemistry and a student directed study. Chemistry 30 uses the foundation developed in Science 10 and Physical Science 20 to expand fundamental principles of chemical reactions. Students need a good grasp of concepts and language from these two sciences, a strong background in mathematics and an appreciation for problem solving.

### **Physics 30**

Pre-requisite: Physics 20 Credit: 1.0

This course involves a detailed study of motion, forces, energy, electricity and nuclear physics. There is extensive use of mathematics and abstract reasoning.

### **Computer Science 20**

Pre-requisite: Science 10 Credit: 1.0

This class will introduce students to the world of computer programming and software creation. They will look at computer hardware, careers in the industry and computer operating systems. They will use problem solving strategies in order to understand programming structure. From this, they will then create their own computer programs.



**Computer Science 30**

Pre-requisite: Computer Science 20      Credit: 1.0

This is a continuation of computer science 20. Students now step into a new program language called PHP. PHP is a language that is used by programmers in the real world. More complex programming ideas will be introduced. A large project will be presented to the class at the end of the semester.

**H. SOCIAL SCIENCES****Psychology 20**

Pre-requisite: History 10      Credit 1.0

This introductory course is designed to provide students with a general overview of the field of psychology, including psychological theory and the methodology of research. Students will learn the basic concepts of psychology and how psychological studies are conducted. As well, students will be encouraged to re-assess preconceived ideas and prejudices, and begin to discover how psychological theories, methods and studies lead to greater understanding of how humans think, feel and behave. This course deals with many current topics in scientific psychology such as: perception, memory, language and thinking, human communication, personality, motivation, aggression, addictive behavior, learning, emotion, interpersonal relations and data collection.

**Psychology 30**

Pre-requisite: History 10      Credit: 1.0

The focus of this course is human development. Developmental psychology is the field of psychology that focuses on human development across the life span. Students will learn about human growth and changes in behavior associated with age, including the various stages of development from infancy through childhood, adolescence, adulthood and old age. As well, students will learn how psychological studies are conducted, and engage in studies of their own. Students will be encouraged to re-assess preconceived ideas and prejudices, and begin to discover how psychological theories, methods and studies lead to greater understanding of how, in general, humans think, feel and behave relative to each stage of development.

**History 10**

Pre-requisite: None      Credit: 1.0

This course deals with political and economic decision making by developing and examining ideology, political and economic structure from basic to complex levels.

**History 20**

Pre-requisite: History 10 or Native Studies 10

Credit: 1.0

The goal of this course is to help students understand the major issues facing humanity at the end of the twenty first century as well as examine the conditions, ideas, and events of the twentieth century that gave rise to these issues.

**History 30**

Pre-requisite: History 10 or Native Studies 10

Credit: 1.0

The goal of this class is to help students understand the major issues facing Canadians to the end of the twentieth century. The social studies program examines issues such as social change throughout Canadian history, people-land relationships, cross-cultural relationships, the governance of Canadian society, and Canada's relationship with the global community. It examines the current state of these issues and alternative viewpoints for dealing with these issues within Canadian Society.

**I. PRACTICAL & APPLIED ARTS****Accounting 10**

Pre-requisite: None

Credit: 1.0

This course provides an introduction to the basic accounting cycle for a service firm. It includes: generally accepted accounting principles, careers, financial statements (classified balance sheet), synoptic journal, worksheet with adjustments for depreciation, prepaid expenses, accounts payable and receivable, and cash control. This system could be used to do personal or business accounting. If there is sufficient interest accounting 20 will be offered every second year. Strong math skills are required.

**Accounting 20**

Pre-requisite: Accounting 10

Credit: 1.0

The aim of Accounting 20 is to expand on the accounting cycle used for a service industry from Accounting 10 to include a merchandising firm. This cycle includes: inventory control, cost of goods sold, special journals, subsidiary ledgers, discounts, returns and allowances, preparation of schedules for accounts payable and receivable, and additional adjustments for bad debts and depreciation. Strong math skills are required.

### **Apprenticeship 20 or 30**

Pre-requisite: None Credit: 1.0

If you are employed in an apprenticeship trades program, you can apply to participate in this course. Students must work 100 hours in a trade to receive this credit. Applications must be submitted to Mrs. Clarke at Student Services.

### **Career and Work Exploration A 30**

### **Career and Work Exploration B 30**

Pre-requisite: None Credit: 1.0 each

This is a two-part course consisting of in-class instruction and an extended practicum. An introduction to career development, portfolio building, career decisions, occupational health and safety, labor standards, work study preparation, workplace ethics, human rights and equity, earning and understanding your pay cheque, and entrepreneurship. \*As a combined course, Career and Work Exploration A + B 30 offers students 2 credits (2 hours per day). Students will be involved in work placements for 150 hours.

### **Construction and Carpentry 10**

Pre-requisite: None Credit: 1.0

Construction and Carpentry 10 is a pure course designed to build on carpentry skills developed in middle years PAA courses. Students will develop an understanding of lumber harvest and production and how those methods result in the delivery of lumber to be used by consumers. Projects will be chosen to enhance the student's ability to use more complex hand and power tools while focusing on working in a safe environment. Students will also have an opportunity to explore career paths in the Construction and Carpentry trades.

### **Construction and Carpentry 20**

Pre-requisite: Construction and Carpentry 10 Credit: 1.0

As a continuation of Construction and Carpentry 10, this 20 level course builds on the experiences students have gained in the 10 level course. Intermediate projects will be chosen to challenge the student's skills in construction and carpentry. Students that choose to take the 20 level course will also gain experience with residential construction framing methods. The focus will be on foundation construction and exterior/interior wall framing.

### **Construction and Carpentry 30**

Pre-requisite: Construction and Carpentry 20 Credit: 1.0

This course is pure Carpentry/Construction. The major focus of Construction and Carpentry 30 is residential construction techniques including rafter construction, roof

finishing and exterior dwelling finishing. Additionally, the students will complete a required carpentry project to become familiar with a variety of hand and stationary power tools.

### **Design Studies 10**

Pre-requisite: None Credit: 1.0

Students in this class will engage in the process of design and creation favored by engineers and architects. Creativity is the most important element of Design Studies. Students will learn the design process while creating computer graphics. They will research historical structures and will, by using AutoCAD, create a floor plan for their dream house. By using Dreamweaver, students will learn proper web design strategies by creating their own online portfolio.

### **Food Studies 10**

Pre-requisite: None Credit: 1.0

See Food Studies 30 description.

### **Food Studies 30**

Pre-requisite: None Credit: 1.0

These classes focus on essential knowledge and understanding of food and nutrition. Stress is on the importance of making healthy choices in order to promote the well-being of individuals and families. The aim is to develop self-reliance and independence, through the basic life skills for food purchase, preparation, and meal planning. Both food studies courses are available to students in grades 10, 11 or 12. There is no prerequisite for either course, but if you plan to take both classes, it is preferable to take the 10 level first. Foods 10 deals with the more basic preparations; Foods 30 includes more creative food preparations, such as Christmas Dinner or Turkey Dinner preparation and Saskatchewan Food Safe Certification.

### **Life Transitions 30**

Pre-requisite: None Credit: 1.0

A practical course for all students that deals with life issues, communication, decision-making, sexuality, career choices, independent living and money management.

### **PAA Survey 10 A (Cosmo, Quilting, Interior Design)**

Pre-requisite: None Credit: 1.0

A "Survey" course is one that is developed by selecting curriculum modules from a number of PAA (Pure) courses. This course consists of modules from the Cosmetology 10; Clothing, Textiles and Fashion 30; and Interior Design 30 curricula. Students will explore salon safety, customer service, skin care, make up and nails in the Cosmetology portion and students will create a raggy quilt for the Clothing, Textiles & Fashion portion. Interior Design

focuses on the elements and principles of design. Students create glass mosaic stepping stones.

### **Commercial Cooking 20**

Pre-requisite: Foods 10 and Foods 30 are very strongly recommended  
Credit: 1.0

This course is designed to create an awareness of and to develop entry level food preparation skills for the food service industry. Students learn the standards of professionalism in the food industry as well as theory and then apply the theory in labs. It is strongly recommended that you complete Foods 10 or 30 prior to taking this class. If this class is in Semester 1, you will be responsible for Christmas Dinner.

### **Photography 20**

Pre-requisite: None  
Credit: 1.0

The purpose of Photography 20 is to provide students with opportunities to acquire knowledge and develop skills used in photography and to become familiar with career opportunities within the industry. They will develop technical skills in the use of cameras. They will analyze and utilize the principles of composition and design and develop image manipulation skills to create aesthetically satisfying pictures. Differences between taking pictures and creating photographs will be emphasized with students. Many students will have cameras with which they may be accustomed to the "point and shoot" method of picture taking. Creating photographs includes concepts such as composition, lighting, settings, and planning.

### **Welding 10**

Pre-requisite: None  
Credit: 1.0

The aim of the Welding curricula is to provide students with opportunities to acquire knowledge and develop skills used in the welding industry and to become familiar with career opportunities in the welding industry in Saskatchewan. Welding 10 combines introductory modules in oxy-acetylene, electric arc and metal inert gas (MIG) welding providing students with knowledge and skills in each of the three types of welding. The guidelines use theory and practice, including a variety of practical projects that allow students to develop practical skills.

### **Welding 20**

Pre-requisite: Welding 10  
Credit: 1.0

This course provides students with intermediate knowledge and skills in oxy-acetylene, electric arc and MIG welding. Various practical experiences at the intermediate level are provided, enabling students to enhance practical welding skills.

### **Welding A 30**

Pre-requisite: Welding 20  
Credit: 1.0

Welding A30 is the last offering for Welding at TMSS. Students will be exposed to industry specific welds that will have to pass more stringent strength tests not experienced in Welding 10 and 20. Metallurgy will also be a focus in Welding 30. This course will suit those that are interested in becoming a welder or those that would like to hone their skills as a hobbyist.

### **Wildlife Management 10**

Pre-requisite: None  
Credit: 1.0

The aim of Wildlife Management is to provide students with the opportunity to examine beliefs and attitudes related to wildlife, and to develop the knowledge and skills that allow an examination of the many occupations in the field of wildlife management.

J. APPENDIX

## Secondary Subjects at TMSS 2019-2020

Grade 10 Students must take 10 classes	Grade 11 Students must take minimum 9 classes	Grade 12 Students must take minimum 8 classes.
<b>COMPULSORY</b>	<b>COMPULSORY</b>	<b>COMPULSORY</b>
English Language Arts A10 English Language Arts B10 Workplace & Apprenticeship Math 10 Foundations & Pre-Calculus Math 10 Science 10 Wellness 10 History 10	English Language Arts 20* At least one <b>Social Science</b> : History 20 Psychology 20 Psychology 30 At least one <b>Science</b> : Environmental Science 20* Health Science 20* Computer Science 20* Physical Science 20*	English Language Arts A30* English Language Arts B30* History 30
<b>ELECTIVES</b>	<b>ELECTIVES</b>	<b>ELECTIVES</b>
<b>Arts Education</b> Band 10 <sup>1</sup> Visual Arts 10 <b>Practical &amp; Applied Arts</b> Accounting 10 Construction and Carpentry 10 Design Studies 10 Food Studies 10 PAA 10A (Cosmo, Quilting, Interior Design) Welding 10 Wildlife Management 10	At least one of the following <b>Math</b> : Workplace & Apprenticeship Math 20* Foundations of Math 20* Pre-Calculus 20* <b>Arts Education</b> Band 20 <sup>1</sup> Drama 20 Visual Arts 20 <b>Language</b> Journalism 20* <b>Practical &amp; Applied Arts</b> Construction/Carpentry 20* Commercial Cooking 20* Photography 20 Welding 20* <b>Open Electives</b> Computer Animation 20* Physical Education 20	<b>Science</b> Biology 30* Chemistry 30* Computer Science 30* Physics 30* <b>Math</b> Workplace & Apprenticeship Math 30* Foundations of Math 30* Pre-Calculus 30* Calculus 30* <b>Arts Education</b> Band 30 <sup>1</sup> Drama 30 Visual Arts 30 <b>Practical &amp; Applied Arts</b> Career & Work Exploration A30 & B30 <sup>2</sup> Construction and Carpentry 30* Food Studies 30 Life Transitions 30 Welding A30* <b>Open Electives</b> Personal Finance 30 Physical Education 30
	Outdoor Education Program <sup>2</sup> - grade 10 students going into grade 11 interested in this must select <i>both</i> Physical Education 20 and Environmental Science 20 and hand to the office a separate application form by the given deadline.	<b>24 Credits required to graduate:</b>
		<ul style="list-style-type: none"> <li>Five of those classes must be 30 Level</li> <li>Two classes from Practical &amp; Applied Arts and/or Arts Education at 10, 20 or 30 level</li> </ul> Other <i>minimum</i> requirements are: <ul style="list-style-type: none"> <li>Science 20,</li> <li>Math 20,</li> <li>Social Science 20 or 30, and</li> <li>at least 1 Wellness/Phys-ed class</li> </ul>

credit = class

You may choose any grade level electives provided the pre-requisites have been met.

Classes that do not meet the required number of students will not be offered.

\* means this class requires a pre-requisite. For subject descriptions refer to the [Subject Selection Guide 2019-2020](#)

<sup>1</sup> Previous music experience required. See Mrs. Clarke and Ms. Will

<sup>2</sup> Two classes taken for 2 credits