

John Taylor Collegiate

Home of the Pipers

2022-2023



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Proud to be a Piper!

John Taylor Collegiate Course Code Listing

| Grade 9 Core Courses | Course Code |
|---|----------------|
| Canada in the Contemporary World 10F | SS10F |
| English 10F | EN10F |
| Life Work Exploration: Career Development | LF15S |
| Mathematics 10F | MA10F |
| Physical Education 10F | PE10F |
| Science 10F | SC10F |
| Grade 9 School Based Options | Course Code |
| Applying Information and Communication Technology I and II (1 credit) | IT15FA / 1T15B |
| Dance | DA10SS |
| Drama | DR10SS |
| Drama – Theatre Productions | TP10SS |
| Exploration of Electronics | EL10SSA |
| Family Studies /Foods and Nutrition (1 credit) | FA15S/ FN15S |
| French | FR10F |
| Graphic Communications Technology | GT10G |
| Hockey Canada Skills Academy | HA11G |
| Music: Choral | MC10SS |
| Music: Concert Band | MB10SS |
| Music: Guitar | MG10SS |
| Music: Jazz Band | MJ10SS |
| Music: Rock Band | ME10SS |
| Music: Vocal Jazz | VJ10SS |
| Musical Theatre | MT10SS |
| Visual Art | VA10SS |
| Woodwork Technology | WT10G |
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| Grade 10 Core Courses | Course Code |
|---|-------------|
| English | EN20F |
| English: Literary Focus | EN30SL |
| Geography Issues of the 21 Century | GE20F |
| Mathematics: Introduction to Applied and Pre-Calculus | MA20SPA |
| Mathematics: Essential | MA20SS |
| Physical Education | PE20F |
| Science | SC20F |
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| Grade 10 School Based Options | Course Code |
| Computer Science | CS20S |
| Dance | DA20SS |
| Digital Pictures /Digital Filmmaking (1 Credit) | DI25S/DV25S |
| Drama | DR20SS |
| Drama – Theatre Productions | TP20SS |
| Electronics: Intro to Electronics | EL20SSA |
| Family Studies | FA20S |
| Foods and Nutrition | FN20S |
| French | FR20F |
| Graphic Communication Technology | GT20G |
| Hockey Canada Skills Academy | HA21G |
| Music: Choral | MC20SS |
| Music: Concert Band | MB20SS |
| Music: Guitar | MG20SS |
| Music: Jazz Band | MJ20SS |
| Music: Rock Band | ME20SS |
| Music: Vocal Jazz | VJ20SS |
| Musical Theatre | MT25SS |
| Exercise Science (formerly PE21G) | EXERSCI40S |
| Visual Art | VA20SS |
| Woodwork Technology | WT20G |

| Grade 11 Core Courses | Course Code |
|--|--------------------|
| Biology | BI30S |
| Chemistry | CH30S |
| English Comprehensive Focus | EN30SC |
| English: Literary Focus (recommended if pursuing AP) | EN30SL |
| History of Canada | HI30F |
| Mathematics Applied | MA30SA |
| Mathematics Essentials | MA30S |
| Mathematics: Pre- Calculus | MA30SP |
| Physical Education (In School) | PE30F |
| Physical Education (Dance) | PE30FD |
| Physical Education (Female Fitness) | PE30FIF |
| Physical Education (Elite Training) | PE30FT |
| Physics | PH30S |
| Science Current Topics | SC30S |
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| Grade 11 School Based Options | Course Code |
| Broadcast Media/ Interactive Media | BRM35S/IM35S |
| Computer Science | CS30S |
| Dance | DA30SS |
| Drama | DR30SS |
| Drama – Theatre Productions | TP30SS |
| Electronics | EL30S |
| Family Studies | FA30S |
| Foods and Nutrition | FN30S |
| French | FR30S |
| Graphic Communication Technology | GT30G |
| Hockey Canada Skills Academy | HA31G |
| Music: Choral | MC30SS |
| Music: Concert Band | MB30SS |
| Music: Jazz Band | MJ30SS |
| Music: Guitar | MG30SS |
| Music: Rock Band | ME30SS |
| Music: Vocal Jazz | VJ30SS |
| Musical Theatre | MT35SS |
| Sustainable Wilderness Education | PE31G |
| Visual Arts 2A - Digital Imaging (Photography) | AD30SS |
| Visual Art | VA30SS |
| Woodwork Technology | WT30G |
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| Grade 12 Core Courses | Course Code |
|---|--------------------|
| Biology | BI40S |
| Biology Advanced Placement | BI42S |
| Chemistry | CH40S |
| Chemistry Advanced Placement | CH42S |
| English: Comprehensive | EN40SC |
| English Transactional Focus | EN40ST |
| English: Literary Focus | EN40SL |
| English Language and Composition/Literature and Com. Advanced Placement | EN42S |
| Mathematics: Applied | MA40SA |
| Mathematics: Essentials | MA40S |
| Mathematics: Pre-Calculus | MA40SP |
| Mathematics Advanced Placement | MA42S |
| Physical Education (In School) | PE40F |
| Physical Education (Dance) | PE40FD |
| Physical Education (Female Fitness) | PE40FIF |
| Physical Education (Elite Training) | PE40FT |
| Physics | PH40S |
| Science: Interdisciplinary Topics | SC40S |
| Grade 12 School Based Options | Course Code |
| Cinema as Witness to Modern History | CW40S |
| Computer Science | CS40S |
| Current Topics in First Nations, Metis and Inuit Studies | FM40S |
| Dance | DA40SS |
| Drama | DR40SS |
| Drama – Theatre Productions | TP40SS |
| Electronics | EL40S |
| Family Studies | FA40S |
| Foods & Nutrition | FN40S |
| French | FR40S |
| Global Issues | GI40S |
| Graphic Communication Technology | GT40G |
| History: Western Civilization | HI40SW |
| Hockey Canada Skills Academy | HA41G |
| Law | LW40S |
| Music: Choral | MC40SS |
| Music: Concert Band | MB40SS |
| Music: Guitar | MG40SS |
| Music: Jazz Band | MJ40SS |
| Music: Rock Band | ME40SS |
| Music: Vocal Jazz | VJ40SS |
| Musical Theatre | MT45SS |
| Psychology | PY40S |
| Recreational Management and Athletic Leadership | PE41G |
| Visual Arts 2A - Digital Imaging (Photography) | AD40SS |
| Visual Art | VA40SS |
| Woodwork Technology | WT40G |
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John Taylor Collegiate

ADVANCED PLACEMENT PROGRAM

The Advanced Placement (AP) program provides special opportunities to those students who wish to study university topics in a high school setting. This program of college-level courses and exams was designed to allow the successful student to receive some credit and /or standing on entering university. John Taylor offers Biology, Chemistry, English and Calculus AB, depending on enrollment.

Historically, students have chosen to enroll in AP courses for other reasons as well; some wanted to further their knowledge in a specific field of academic achievement, others wanted a working knowledge of material taught at university, and still others just wanted to enjoy a subject for its challenge. Regardless of the reason for taking AP, students are able to enjoy the flexibility of focusing on the subjects that are of interest to them.

All AP candidates will be expected to write an externally set and marked examination, which consists of multiple choice and essay questions.

The University of Winnipeg has determined that students completing an AP course with a mark of 3.0 to 5.0 (out of a possible 5.0) can use the course to count as one credit towards a degree. Students should consult Admissions Office for more information.

The University of Manitoba requires a score of 4.0 in specific areas and students may apply for transfer of credit to the program they are entering. Students should consult Enrolment Services, Admissions Office for more information.

AP Planning Chart

*Geography 20F and *History 30F are compulsory courses in grades 10 and 11. Students that are considering AP may have an opportunity to take Geography in grade 9 and History in grade 10 to balance out the rigor of their 4 years and allow the student to take more than one Advanced Placement course.

| Discipline | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|--------------------|-----------------|-------------------|-----------------------|---------------------------|
| Biology | Science 10F | Science 20F | Biology 30S | Biology 40S/42S-AP |
| Chemistry | Science 10F | Science 20F | Chemistry 30S | Chemistry 40S/42S-AP |
| English | English 10F | English 20F | English 30SL | English 40SL/42S-AP |
| Mathematics | Mathematics 10F | Mathematics 20SPA | Mathematics 30SP/40SP | Advanced Math/Math 42S-AP |
| Other | Geography 20F* | History 30F* | | |

*Geography 20F and History 30F are compulsory course in grade 10 and 11. Students that are AP considering AP may have an opportunity to take Geography in grade 9 and History in grade 10, to balance out the rigor of their 4 years and to allow the student to take more than one Advanced Placement course.

ENGLISH: LANGUAGE AND COMPOSITION/LITERATURE AND COMPOSITION - EN42S

This course is a university-level course. School-based and teacher-designed, this course is intended to teach students to analyze writing from various genres. Literary passages - fiction and non-fiction - are drawn from a wide variety of sources, rhetorical modes, historical or literary periods, and disciplines. Students are offered many opportunities to improve their composition skills by writing in a variety of modes and for a variety of purposes. At the end of this course, students write a three-hour international examination - either the Language or the Literature exam, or both.

MATHEMATICS - MA42S

The Advanced Placement Mathematics course is a very intense study of calculus, equivalent to a first-year university calculus program. Topics covered include limits, derivatives and their applications, and integration and its applications.

CHEMISTRY - CH42S

The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of university.

BIOLOGY - BI42S

The Advanced Placement Biology course is designed to be the equivalent of a college-level introductory biology course. As the course is a university equivalent, students are expected to pursue independent study, do extensive reading, complete extended projects, and do experimental research.

Compulsory Courses

ENGLISH

ENGLISH LANGUAGE ARTS FOUNDATION COURSES –EN10F

In the 10F course, students express their ideas using the six English language arts of reading, writing, listening, speaking, viewing, and representing. Particular emphasis is placed on written communication, including exploration, examination, and analysis of the structure of sentences, paragraphs, essays, and longer fiction and non-fiction text. English 10F occurs every day for both semesters.

ENGLISH - EN20F

In the grade 10 course, students complete the literacy skills, knowledge, and learning strategies begun in English 10F. The course continues to emphasize reading comprehension, personal and critical response, and interpretation of various text forms; text forms include short prose, poetry, novels, and Shakespearean plays. Students continue learning to collect, organize and synthesize information through research and inquiry processes. Written communication skills continue to be a focus in EN20F. Students create various texts to demonstrate their ability to address a specific audience, for a specific context and purpose.

ENGLISH COMPREHENSIVE FOCUS - EN30SC

This course addresses the learning outcomes identified by the provincial curriculum for the grade 11 Comprehensive Focus. Students read and respond to a balance of pragmatic and aesthetic texts. For example, transactional or non-fiction texts are used for practical, every-day purposes, while literary texts are used for aesthetic, expressive, and creative purposes.

OR

ENGLISH LITERARY FOCUS - EN30SL (For students considering AP)

The Grade 11 Literary course provides students with the opportunity to explore novels, plays, short stories and poetry. The course examines how writers use techniques or devices in their works, and more importantly, the effects these techniques have on the reader.

ENGLISH COMPREHENSIVE FOCUS - EN40SC

This course addresses the learning outcomes identified by the provincial curriculum for the grade 12 Comprehensive Focus. Students read and respond to a balance of pragmatic and aesthetic texts at a more advanced level than the grade 11 course.

OR

ENGLISH LITERARY FOCUS - EN40SL (For students taking EN42S)

This course addresses the learning outcomes identified by the provincial curriculum for the grade 12 Literary Focus. Students read and respond primarily to literary or aesthetic text forms - including poetry, short prose, Shakespearean plays, and novels - at a more complex and deeper level than at the grade 11 level.

Note: Students may hold credits in both SC and SL courses.

What are aesthetic and pragmatic purposes?

Aesthetic is defined as a principle of taste (beauty) or style adopted by a particular person, group, or culture. Aesthetic works include: poetry, plays, novels, and short stories. For example, a student will read and analyze works of literature in terms of literary elements such as symbols, metaphors, similes or irony and explain how these are important in a literary piece. Pragmatic is defined as of or relating to a practical point of view or practical considerations. Pragmatic writing includes: resumes, letters, speeches, and research essays. For example, students will learn how to write a cover letter and a proper resume.

MATHEMATICS

MATHEMATICS FOUNDATIONS - MA10F

This course provides the foundation for the various mathematics courses at the grade 10 level. The course includes, but is not limited to, statistics, probability, measurement, algebra, geometry and problem solving.

MATHEMATICS ESSENTIAL - MA20SS

Grade 10 Mathematics Essential is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Mathematics Essential topics emphasize consumer applications, problem solving, decision-making, and spatial sense. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society.

MATHEMATICS INTRODUCTION TO APPLIED AND PRE-CALCULUS - MA20SPA

The grade 10 introduction to Applied and Pre-Calculus is intended for students considering post-secondary studies that require a math pre-requisite. The topics studied form the foundation for topics to be studied in both grade 11 Applied and Pre-Calculus Mathematics. Students will engage in experiments and activities that include the use of technology, problem solving, mental mathematics and theoretical mathematics to promote the development of mathematical skills.

MATHEMATICS APPLIED - MA30SA

This course is one of two math programs available for students planning to pursue post-secondary studies in mathematics and science. It is intended for students whose post-secondary studies do not require the study of theoretical calculus. The math studied promotes the learning of problem solving skills, number skills and geometry skills as they relate to the world around us. Topics include:

MATHEMATICS ESSENTIAL - MA30S

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. This is a one credit course comprising two half credits, each emphasizing consumer applications, problem-solving and decision making, as well as number sense and spatial sense. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered and used in a technological society.

MATHEMATICS PRE-CALCULUS - MA30SP

This course is designed for students who intend to study calculus and related mathematics as part of a post-secondary education. The course comprises, primarily, a high-level of theoretical mathematics with an emphasis on problem solving and mental mathematics, supported by cumulative exercises and testing. Students are required to learn mathematical concepts through practice and regular homework. Many of the questions and problems on exercises, tests and examinations can be expected to be different from those presented in class.

MATHEMATICS APPLIED - MA40SA

This course is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem solving techniques as they relate to the world around us.

MATHEMATICS ESSENTIAL - MA40S

This course is intended for student whose post-secondary planning does not include a focus on mathematics and science- related fields. Grade 12 essential Mathematics (40S) is a one-credit course consisting of two half-credits each emphasizing consumer applications, problem solving, decision-making, and spatial sense.

MATHEMATICS PRE-CALCULUS - MA40SP

This course is designed for students who intend to study calculus and related mathematics as part of postsecondary education. It builds on the topics studied in Grade 11 Pre-calculus Mathematics and provides background knowledge and skills for the study of calculus in post-secondary institutions.

NOTE:

More than one mathematics course may be taken at each grade level for more than 1 credit. (For example a student may take both MA20S and MA20SPA (for a total of 2 credits).

CALCULUS & ADVANCED MATH – AM40S

This is an introductory course that will cover higher level math topics from the first-year university courses Calculus and Linear Algebra. Topics include: limits, derivatives, applications of derivatives, integrals, complex numbers, matrices, and vector geometry. This course is taught in English but is available to both English and French Immersion students. This course is ideal for any students who have enrolled in MA40SP(X) and who plan to enroll in university facilities such as Agriculture & Food Sciences, Arts (Economics), Engineering, Management, Pharmacy, Science (Mathematics, Actuary, Biochemistry, Chemistry, Computer Science, Ecology, Zoology, Statistics) etc.

Physical Education

PHYSICAL EDUCATION (GENERAL) - PE30F & PE40F (Students may choose PE30/40FIF or PE30/40FT)

This curriculum encourages “physically active and healthy lifestyles for all students” by providing planned and balanced programming to develop the knowledge, skills and attitudes for physically active and healthy lifestyles. Your child will receive a Complete or Incomplete designation at the end of the grade 11 or 12 course, rather than a percentage grade. This will not be used in calculating the grade point average.

The course consists of two major areas of focus: the Core content and the Physical Activity (PA) Practicum. The Core content of the grade 11 PE/HE curriculum consists of a minimum of 25% of the course. This content is delivered in-class and is teacher-directed. In grade 11, the content includes learning outcomes related to Fitness Management, Social Impact of Sport, Mental-Emotional Health and Substance Use and Abuse Prevention. In Grade 12, the core content is related to Fitness Management, Nutrition, Personal Development and Healthy Relationships. The PA Practicum is the portion of the course that focuses on physical activity participation. The minimum requirements for the Physical Activity Practicum include: A minimum of 75% of the course (approximately 75 hours during one school year) of moderate to vigorous physical activity that contributes to cardio respiratory endurance (heart, lungs, circulatory system) plus one or more of the health-related fitness components.

FEMALE FITNESS (30/40FIF)

The Female Fitness Course will seek to engage young women in physical activities that encourage personal fitness and wellness. The design of this course is catered to the interests of the students enrolled in the course. It will focus on the fitness components that the students feel are relevant to them and will provide them with opportunities to explore a variety of fitness facilities in the city.

Students in the Female Fitness Course will have:

- some choice of a variety of physical activities with a focus on lifetime activities and enjoyment
- the opportunity to develop their own personal fitness goals and learn the skills to be successful at meeting them.
- lessons taught by a female instructor.
- the opportunity to plan and participate in a variety of field trips that explore lifelong fitness skills.

*Students who complete this course will earn their required Physical Education credit (PE30F or PE40F).

ELITE TRAINING (30/40FT)

Advanced Training is a high-performance course dedicated to helping student athletes achieve their full athletic potential. This course incorporates a variety of performance training techniques, nutrition principles, recovery and mental preparedness strategies to help Student Athletes meet the mental and physical demands of school and sport.

In this course students will:

- hone and improve **sport specific** strength and skills needed to be successful.
- practice and **evaluate their skills** throughout the course, recording and critiquing their performances.
- learn how they can **improve their abilities** as well as encourage them to continue with proper habits.
- create an **individualized fitness plan** with 1-1 help from the instructor.

Science

SCIENCE FOUNDATION - SC10F

SC10F is divided into four major units: Reproduction, Atoms and Elements, Nature of Electricity, and Exploring the Universe. The Reproduction unit involves the study of human reproduction and genetics. Atoms and Elements is an introduction to the basics of chemistry. The Nature of Electricity unit has students investigating static and current electricity. Exploring the Universe leads students through an exploration of the universe and the study of space science and technology.

SCIENCE FOUNDATION - SC20F

The SC20F program is composed of four major units: Dynamics of Ecosystems, Chemistry in Action, In Motion, and Weather Dynamics. Dynamics of Ecosystems has students examining ecosystem relationships, population dynamics, biodiversity and how human activities affect ecosystems. The Chemistry in Action unit is a continuation from SC10F's Atoms and Elements. Students will study chemical reactions, nomenclature basics, principles of acid-base chemistry, and the effects of chemical use in the environment. Basic kinematics along with the concepts of inertia, force, impulse and momentum are looked at during the In Motion unit. The complex relationships that influence weather and climate are pursued in the Weather Dynamics unit including the impact of human activities on our global climate.

Social Studies

SOCIAL STUDIES CANADA IN THE CONTEMPORARY WORLD - SS10F

In this course we will learn about how our government works, how people immigrate to Canada and become citizens and what makes us unique as Canadians. In addition, we will examine some basic Canadian geography as well as global issues such as poverty, working conditions in the developing world, war and environmental challenges. In our examination of each issue, we will discuss how we as Canadians can actively respond to these issues. This course is also offered in French where applicable.

GEOGRAPHY - GE20F

The main focus of this course is the environmental and political issues in geography that impact our lives and those of future generations within the context of North America. Major topics of discussion will include: the impact of energy use on our planet; sustainable development; issues related to trade and industry; food production and related issues; population growth and city planning; use of Global Positioning Systems and Geographic Information Systems. This course is also offered in French and as preparation for the IB program.

HISTORY OF CANADA - HI30F

This course engages students in historical inquiry and asking essential questions to focus on Canada from pre-contact times until the present. Canadian History emphasizes important skills and concepts in historical thinking and focuses on five major themes: First Nations, Métis and Inuit Peoples, French-English Duality, Identity, Diversity and Citizenship, Governance and Economics, and Canada and the World.

Optional Courses

BAND

Although band is a developmental course building on skills acquired at the middle school level, a student with little or no previous band experience may start on a band instrument on an individual basis. Please contact the band instructor at John Taylor for further information. Attendance at school concerts, festivals and other performances is compulsory for all music students (band, choir, and jazz).

GRADE 9 CONCERT BAND - MB10SS

Students entering Band should have had a minimum of one year, and preferably three years of experience playing one of woodwind, brass or percussion instruments. If a student lacks this requirement, or skills do not meet grade level expectations, the student will be required to take private lessons. Students registered for Band are part of the grade 9 Concert Band. Students will attend both full band classes and smaller sectional classes. Emphasis will be placed on skill development, and music theory as covered in computer instruction and repertoire. Participation in concerts is a required part of this course.

GRADE 10 CONCERT BAND - MB20SS

Students registered for Band are part of the grade 10 Concert Band. Students will attend both full band classes and smaller sectional classes. Emphasis will be placed on skill development and music theory as covered in computer instruction and repertoire. Participation in concerts is a required part of this course. Students will be given the opportunity to participate and perform in student led chamber music ensembles.

GRADE 11 CONCERT BAND - MB30SS

Students in grade 11 who register for Band are considered part of the Symphonic Band. Students will attend both full band classes and smaller sectional classes as required by the directors. Emphasis will also be placed on practical participation in Band. Emphasis will be placed on skill development, and music theory as covered in computer instruction and repertoire. Participation in concerts is a required part of this course. Students will be given the opportunity to participate and perform in student led chamber music ensembles as well as solo repertoire.

GRADE 12 CONCERT BAND - MB40SS

Students in grade 12 who register for Band are considered part of the Symphonic Band. Students will attend both full band classes and smaller sectional classes as required by the directors. Emphasis will be placed on practical participation in Band. Emphasis will also be placed on skill development, and music theory as covered in computer instruction and repertoire. Participation in concerts is a required part of this course. Students will be given the opportunity to participate and perform in student led chamber music ensembles as well as solo repertoire.

GRADE 9, 10, 11, AND 12 JAZZ BAND – MJ10SS, MJ20SS, MJ30SS, MJ40SS

Students enrolled in this course will study various forms of jazz, swing, pop and rock music. These courses will involve group practices and sectional rehearsals, with an increased emphasis on improvisation, jazz articulation, phrasing and interpretation. Students enrolled in band may select additional courses in instrumental jazz. Membership in the concert band program is required.

GRADE 9, 10, 11, AND 12 GUITAR - MG10SS, MG20SS, MG30SS, and MG40SS

No prior guitar playing experience is necessary for this Guitar Course. Students need to be willing to read music, perform and study a variety of music including Classical and Popular. Students need to commit to home practice.

Guitar education allows students to further their knowledge of music while studying an instrument that is both appealing and relevant in contemporary society. Learning to play the guitar is a valuable social and communicative skill that can provide enjoyment throughout a lifetime. Areas of focus include: Playing Technique, Chords, Ensemble performance, Solo guitar study, Improvisation, Music Reading and Arranging and Music Writing.

ADDITIONAL INFORMATION: Students enrolled in this course should have access to a guitar for home practice. The school provides guitars for in class use. Students will participate in several concerts. Participation in all scheduled concerts is a course requirement. Students continuing with guitar through grade 12 may use their Guitar 40s credit as one of the required University Entrance credits.

GRADE 9, 10, 11, AND 12 ROCK BAND - ME10SS, ME20SS, ME30SS, and ME40SS

Students in Rock School learn about the music industry and the “ins and outs” of modern music. Classes focus on performance and discussions on items relating to music industry topics/including: concert promotion, artist development, songwriting, recording, touring and other items as they arise. Students perform weekly in master-class format and monthly for the student body. Students will also plan and promote rock shows in the community. Students must already possess a high level of musical skill on their instrument. It is highly recommended that students study privately. It is also recommended that instrumentalists have concurrent registration in Band, vocalists in Choir, as students must understand how to read and discuss music; preference will be given to students registered in those courses. Students who feel they are prepared for this course are encouraged to register in advance, but acceptance is subject to auditions, which will take place the week leading up to school. Instrumentation will be limited to: 3 vocalists, 6 guitarists, 3 bassists, 3 drummers, and a 3 person tech crew. Ensembles will be formed based on registration. If there is insufficient numbers/instrumentation to form additional groups, they will not be created.

COMPUTER SCIENCE/TECHNOLOGY

Grade 9 EXPLORATION OF ELECTRONICS (EL10SSA)

In the Grade 9 Exploration of Electronics (Robotics) course, students will have the opportunity to explore various aspects of the electronics industry that will equip them to make an informed decision about pursuing more courses in this subject area. Students will learn about terminology, basic electrical theory, and electronic test equipment through the use of Lego Mindstorms EV3 Robots.

Grade 10-12 ELECTRONICS (EL20SSA, EL30S, EL40S)

In this course, students are introduced to robotics, a course in which students may experience practical application of physics and mathematics. Students will have to construct and test their robots for varying situations and tasks, applying problem-solving strategies to ensure their robots can perform in all normal circumstances. This hands-on learning environment will bolster their understanding with mathematics and science, and provide a strong basis for development in computer science and programming.

Grade 10 COMPUTER SCIENCE (CS20S)

In the Grade 10 Computer Science course, Students learn the building blocks of programming using a platform called Greenfoot: a Java-based, 2D game development platform. Topics covered include data types, variables, control structures, arrays, and basic graphics. Students will also engage in discussions about important programming concepts, such as user- friendliness and programming practices.

Grade 11 & 12 COMPUTER SCIENCE (CS30S/40S)

The Grade 11 and 12 Computer Science courses are an extension of the previous Computer Science courses where students further develop their computer programming skills and learn about more advanced aspects of programming, such as objects, global variables, methods, and sorting.

GRAPHIC TECHNOLOGY (GT10G/20G/30S/40S)

John Taylor's Graphic Technology Program is all about visual communication. It combines art and technology to communicate ideas through images. Students will learn how to use industry leading Adobe software to create visual concepts, communicate ideas, inspire, inform, and captivate viewers.

Students will combine computer design skills with live production projects that include, but are not limited to:

- T-shirts
- Stickers / Decals
- Mugs / Water bottles
- Hats
- Card Holders
- Coasters
- Ornaments
- Photo Panels
- Posters
- Packaging
- Mock-ups

DIGITAL PICTURES - DI25S (0.5 Credit)

This course is an introduction to Digital Photography where students will spend time shooting photos using different photography techniques with a DSLR camera. Students will enhance and manipulate photos in post-production using photo editing software and will create an online digital portfolio. This course must be taken with Digital Filmmaking 25S

DIGITAL FILMMAKING - DV25S (0.5 Credit)

This course is an introduction to video production techniques, using DSLR video cameras and Premier Pro editing systems. Each student will write, produce, direct, shoot, and edit a series of short films. Emphasis will be placed on basic storytelling and narrative filmmaking. The course will provide an introduction to film equipment and operating techniques of video production. Students will gain hands-on experience of the entire video production process from scripting, filming, lighting and sound through to editing and post-production procedures. This course must be taken with Digital Pictures 25S.

BROADCAST MEDIA - VIDEOGRAPHY (BRM35S)

*0.5 Credit - must be taken with Interactive Media

This course will teach students all of the phases of the media production process (pre-production planning, production, and post-production) from a variety of perspectives (news, sports, entertainment...). The course includes technical aspects of media production for the web, radio, and television. Students should have skills creating video and creating web pages prior to taking the course. Students will plan, develop, and broadcast multimedia. *This course must be taken with Interactive Media.

INTERACTIVE MEDIA – WEBSITE PRODUCTION (IM35S)

*0.5 Credit - must be taken with Broadcast Media

This course will provide students with the skills and knowledge to create interactive media products that combine video, audio, and interactive components. Prior to taking the course, students should have skills in creating audio and video and an understanding of the media production process. Students will plan, develop, and publish interactive media. *This course must be taken with Broadcast Media.

CHORAL MUSIC & VOCAL JAZZ

The John Taylor Collegiate Choral Music program is available to all grade 9-12 students. Although there is no prerequisite, students should have some interest in choral singing. The Choral courses are offered from over the lunch hour every second day throughout the year. Vocal Jazz and Chamber Choir will be offered after school on a credit basis. Tutorial time is available to assist students individually or in sectionals. This time also allows for auditions and extra rehearsals, especially in preparation for concerts and spring musicals.

GRADE 9 AND 10 CHOIR - MC10SS AND MC20SS

Music Choral 10G students must participate in the grade 9 and 10 Choir. They have the opportunity to sing in various other choirs, such as the Concert Choir, Girls' Chorus, Vocal Jazz and Choral Ensemble.

GRADE 11 AND 12 CHOIR - MC30SS AND MC40SS

Students enrolled in these courses continue as members of the Concert Choir with opportunities to participate in additional choral ensembles.

GRADE 9 VOCAL JAZZ - VJ10SS

This course develops the techniques of voice production and the skills required for participation in a vocal jazz ensemble. A listening component forms an important part of this course.

GRADE 10, 11 and 12 VOCAL JAZZ - VJ20SS, VJ30SS, VJ40SS

These courses continue the study of vocal jazz and are designed for those individuals who are excelling in their choral classes. Students will study various forms of vocal jazz. Listening components are significant parts of these courses as will be the study of vocal jazz improvisation. Attendance at school concerts, festivals and other performances is compulsory for all music students (band, choir, and jazz) as it provides critical assessment information.

DANCE

DANCE - DA10SS

No previous experience in dance is required. An introduction to a variety of dance genres with a focus on jazz dance. Improve your flexibility and strength while learning short choreography routines. Students can either choose to take a performance class, or a non-performance class. Students in the performance class will have more of a focus on choreography and stage performance at school and divisional events, while the non-performance class will focus on technique development and exploring a wider variety of genres.

DANCE – DA20SS

This course will continue to develop jazz technique and ability to learn and remember choreography. There will also be an emphasis on wellness and the health benefits of dance. This course can be taken as either performance or non-performance based.

DANCE - DA30SS

This course is intended for students who wish to continue their study of dance. There will be opportunity for studying genres of their choice but will also continue the development of jazz technique. This course can be taken as either performance or non-performance based.

DANCE - DA40SS

This course is designed to introduce more advanced technique and stylization of movement. By the end of this course students should have a greater ability to connect the theory of dance with their execution of choreography. This course can be taken as either performance or non-performance based.

DRAMA – THEATRE

GRADE 9 DRAMA - DR10SS

An introduction to characterization, scene work, stage movement, and stage production with an emphasis on performance. Drama students will be required to be involved in the annual drama production – either as a performer or as part of the production crew.

GRADE 10 DRAMA - DR20SS

This course is intended for grade 10 students. It encourages students to develop creativity, concentration, and confidence through an introduction to mime, improvisation, role-play, and short skits. Drama students will be required to be involved in the annual drama production – either as a performer or as part of the production crew.

GRADE 11 DRAMA - DR30SS

Drama 30SS is a continuation of the DR20SS format with an emphasis on historical style. This allows the students to build upon existing dramatic skills and to develop new ones, such as script analysis, critical analysis, and rehearsal techniques. Drama students will be required to be involved in the annual drama production – either as a performer or as part of the production crew.

GRADE 12 DRAMA - DR40SS

Drama 40SS is geared towards performance. Students take responsibility for all aspects of play production in addition to performing roles. Monologues, dance, creative movement, interpretative mime and improvisation, style, and genre are implemented and discussed. Drama students will be required to be involved in the annual drama production – either as a performer or as part of the production crew.

THEATRE PRODUCTION – TP10SS, TP20SS, TP30SS, TP40SS

Theatre Production is a course designed to introduce the student to the world of musical/theatre productions. The student will be able to expand their knowledge of the theatre production through a general study of the role of the director, actor, producer, and stage manager. Some of the topics covered in this course may include the following:

History of Musical Theater, Makeup Design, Costume and Prop Design, Audition Prep, Maquette Making (Set Design), Developing a Mic Chart, Performance Critiques, Vocal Technique, Production Poster & Program, Lip Sync Battles, Lighting Cues, Dance & More!

MUSICAL THEATRE – MT10SS, MT20SS, MT30SS, MT40SS

This course is intended for students who are interested in studying and performing in the music theatre production. Students will participate in two components of the Musical Theatre course:

- Performance: through drama, dance and choral singing, students will develop an appreciation for and competency in this unique and hybrid art form. Students may also study and play the music if required for the musical theatre production.
- Production: Students participate in technical and production components of musical theatre.
- There is a fee attached to this course.

FAMILY STUDIES

What is Family Studies - General Info

Family studies courses offer a preventative, proactive, and practical approach that is intended to strengthen individuals and families. Students acquire knowledge, skills, and attitudes to make informed choices with respect to caring for themselves and others within the context of a global community. Students acquire strategies to manage the challenges of life in an effective and responsible way that enhances their life journey.

GRADE 9 FAMILY STUDIES - FA15S (0.5 Credit)

Family Studies 15S explores adolescent development from the perspective of the adolescent student. Topics include building skills and knowledge in developing positive relationships to enhance personal health and wellness within the context of their own family dynamics and the community in which they live.

Students taking FA15S must also take FN15S.

GRADE 10 FAMILY STUDIES - FA20S

Family Studies 20F focuses on the skills and knowledge parents and caregivers need, with emphasis on maternal health, pregnancy, birth, and the early years of human development. Students will learn about the developmental needs, effective care, and guidance of young children. The development of these skills and knowledge will enhance their overall well-being now as adolescents and in the future as parents and caregivers.

What makes JT unique?

Students have the ability to participate in experiential learning in a supervised setting for a practicum for up to 20 hours as part of this full-credit course.

Grades 10 practicum opportunities may include licensed childcare facilities, junior/Kindergarten/Grade 1 classrooms, Aboriginal Head Start Centres, parent/child community and/or school-based programs, in-school onsite infant lab/nursery/pre-school programs, etc. Practicum experiences can provide exposure to a variety of early childhood facilities.

GRADE 11 FAMILY STUDIES - FA30S

Family Studies 30S focuses on children and adolescents' relationships within their families. Students will learn about developmental needs, effective care, and positive interactions with children/ adolescents. The skills and knowledge that students gain will provide them the opportunity to make informed decisions related to parenting, relationships, and families.

GRADE 12 FAMILY STUDIES - FA40S

Family Studies 40S emphasizes the transition from adolescence to adulthood with the ability to examine and practice skills that help develop healthy interpersonal relationships. The skills and knowledge will provide the opportunity for students to make informed and responsible life management choices now and in the future.

FA40S may be used as a grade 12 level credit for university entrance.

What makes JT unique?

Students have the ability to participate in experiential learning in a supervised setting for a practicum for up to 20 hours as part of this full-credit course.

Grade 12 practicum opportunities may include community-based local programs and centres that support youth, adult, and seniors in support of the outcomes in Grade 12 that focus on the transition from adolescence to adulthood.

FOOD AND NUTRITION

GRADE 9 FOODS AND NUTRITION - FN15S (0.5 Credit)

Food and Nutrition 15S focuses on a healthy lifestyle. Students learn to make personal choices that will help them feel good, and to prepare foods that are quick, healthy, and tasty. **Students taking FN15S must also take FA15S.**

GRADE 10 FOODS AND NUTRITION - FN20S

Food and Nutrition 20G explores the significance of food and food choices and the effect these decisions have on the individual at various stages of his or her life. Emphasis is placed on independence in the kitchen.

GRADE 11 FOODS AND NUTRITION - FN30S

Food and Nutrition 30G emphasizes the role of the individual in his or her future health. Students evaluate their nutritional fitness and learn to prevent the diet-related diseases of our modern lifestyle. Laboratory experience encourages students to choose and prepare creative dishes for a healthy lifestyle.

GRADE 12 FOODS AND NUTRITION - FN40S

Food and Nutrition 40S is an advanced study of nutrition controversies surrounding our present day food supply. The focus is both local and global, with an evaluation of the eating habits, foods and cultures of the world. Emphasis is placed on creative cooking for entertaining and on appreciating the uniqueness of cuisine at home and around the world.

FRENCH

GRADE 9 FRENCH FOUNDATIONS - FR10F

Basic French courses are taught in French. Students will participate in a variety of activities to further their linguistic competence. Students will have the opportunity to begin practicing their reading, writing and communication skills.

GRADE 10 FRENCH FOUNDATIONS - FR20F

This course follows the same objectives as FR10F. Students will find that the course material is at a more challenging level. A communicative - experiential approach to the French language is emphasized.

GRADE 11 FRENCH - FR30S

This course is a continuation of FR20F with emphasis on reading, writing and communication skills as well as a cultural component.

GRADE 12 FRENCH - FR40S

This course is a continuation of FR30S with emphasis on reading, writing and speaking skills. Fluency and comprehension will be further developed through varied enrichment activities.

PHYSICAL EDUCATION

EXERCISE SCIENCE (EXERSCI40S – Formerly PE21G)

This elective course is designed to provide an in-depth study into the science of human performance. The human body's physiological systems are a complex interconnected framework between the brain and nervous system. The purpose of this course is to give students a clear picture of how those physiological systems work together to maximize human performance. Students will use their knowledge of various aspects of exercise science such as biomechanics, kinesiology, fitness testing, injury treatment and prevention, and nutrition to develop a greater understanding of how the interaction between brain and nervous system leads to mastery in high performance activities. This course cannot be used for graduation in place of the Provincial required course PE40F.

SUSTAINABLE WILDERNESS EDUCATION (PE31G) *A course fee is required.

This elective course is designed to introduce students to a variety of outdoor activities, where they will learn and implement the necessary skills to be successful in the outdoors. Through these activities' students will learn and apply leadership skills, teamwork and responsibility. The students will take part in the planning and organization of a major hiking trip and a canoe trip.

The course will introduce students to outdoor activities such as:

Hiking
Camping
Rock climbing
Fishing
Geocaching
Snowshoeing
Cross-country skiing
Canoe safety
Wilderness survival
No-Trace-Camping practices

RECREATIONAL MANAGEMENT AND ATHLETIC LEADERSHIP (PE41G)

This elective course is designed to explore and apply leadership skills within the school and the community. Both practical and theoretical aspects will be included.

The theory portion will include:

| | |
|--------------------------|---------------------------|
| Principles of Leadership | Tournament Organization |
| Theory of Coaching | Care of Athletic Injuries |
| First Aid, C.P.R. | Human Anatomy |
| Exercise Physiology | Sociology of Sport. |

The practical component will include areas such as:

| | |
|-------------------------------------|---|
| Planning and organizing tournaments | Coaching |
| Refereeing | leadership roles in the Intramural Program. |



HOCKEY CANADA SKILLS ACADEMY

The philosophy of the St. James Assiniboia Hockey Academy is to provide students different paths to achieve academic and personal success. The program is designed to allow students the opportunity to further develop their hockey skills while not altering or sacrificing the provincial curriculum goals or expectations. The goals of the St. James Assiniboia Hockey Academy are consistent with other officially licensed HCSA

franchises from across Canada, and include:

- Development of fundamentally sound hockey skills in individuals regardless of their skill level
- Development of confidence, leadership, and a positive attitude toward self and others
- Building of life skills such as commitment, dedication, accountability and teamwork
- Mentorship, coaching and development of personal fitness program
- Increasing academic achievement through involvement in a school athletic program
- Introduction of new players into the Minor Hockey System

The program is comprised of two components. On-ice skill development includes skating stride, passing and receiving, shooting, simulation and development of game tactics. Off-ice Development places emphasis on improving the overall fitness level of the players, as well as preparing their mind and body for optimal performance and lifelong healthy living.

HOCKEY CANADA SKILLS ACADEMY - HA11G

The course is comprised of two components. On-ice skill development includes skating stride, passing and receiving, shooting, simulation and development of game tactics. Off-ice Development places emphasis on improving the overall fitness level of the students and also includes components such as, Respect in Sport, Floorball, Sport Psychology, Nutrition, and Video Analysis of Skills. St. James Assiniboia Hockey Academy is designed for male or female hockey players wishing to improve their skills regardless of their current skill level.

HOCKEY CANADA SKILLS ACADEMY - HA21G

This course is a continuation of HA11G. On-ice skill development builds on skills taught in HA11G. Off-ice development continues to emphasize the overall fitness level of the players and also includes; acquiring the IP Coaching Level, Floorball, Sport Psych, Nutrition and Video Analysis of Skills. It is designed for male or female hockey players wishing to improve their skills regardless of current skill level.

HOCKEY CANADA SKILLS ACADEMY - HA31G

This course is a continuation of HA21G. On-ice skill development continues to emphasize skill development and builds on skills taught in HA21G. Off-ice development continues to emphasize the overall fitness level of players and also includes; Coach Certification, Floorball, Volunteering to Coach, Sport Psych, Nutrition and Video Analysis of Skills. The course will be offering a coach/mentorship program along with an expectation of students developing a personal fitness program for on-ice conditioning.

HOCKEY CANADA SKILLS ACADEMY - HA41G

The 41G course builds on the previous St. James Hockey Academy courses where both on and off-ice individual skill development continues to be the focus. On the ice, players learn to execute individual skills as well as advanced 3 vs 3 team tactics. In the off-ice program, students are provided with Referee Training, Floorball, Coaching within the Academy, Sport Psych, Nutrition, Video Analysis of Skills, Agility and Strength Training.

For more information on programming visit: <http://sjaha.blogspot.ca/>

Yearly fee - \$550.00

SCIENCE

BIOLOGY - BI30S

Students in BI30S will study the Human Body with respect to homeostasis, digestion and nutrition, the respiratory system, excretion and waste management, concluding with the immune and nervous system. Students will also look at how technology has affected the wellness of the human body and resulting social issues.

CHEMISTRY - CH30S

Using the kinetic molecular theory, students will look at physical properties of matter, including phase changes and vaporization. Students will also be studying physical characteristics of gases, gas laws, chemical reactions, stoichiometry, solutions and their physical characteristics, and organic chemistry including IUPAC nomenclature. Included in their studies will be a look at how chemistry has affected our quality of life.

PHYSICS - PH30S

The PH30S course is divided into four major areas: Waves, Nature of Light, Mechanics and Fields. Some of the concepts studied in waves are the physical characteristics of waves, superposition of waves and wave interference. The concept of waves continues into the Nature of Light where light is looked at in terms of its wave characteristics and particle characteristics. Carrying on from the SC20F program, students will continue the study of kinematics during the Mechanics unit. To complete and overview of basic physics, students will address the concept of fields with respect to gravitational, magnetic, electric and electromagnetic fields. Included in their studies will be a look at how the relationship between physics and science and technology has influenced our quality of life.

SCIENCE CURRENT TOPICS - SC30S

Multidisciplinary topics based on current issues serve as the organizing themes for this course, in which scientific knowledge and its implications are presented in a unified manner, integrating the areas of biology, chemistry, physics, the geosciences and the space sciences. The course shifts the focus from teaching concepts and facts to teaching critical thinking and problem-solving skills developed through the study of a particular topic, from which key concepts and facts will evolve naturally from the context at hand.

BIOLOGY - BI40S

In this course, students are exposed to foundation concepts regarding the Biology of the world around us. The interdependence of life is a recurring theme in the course work. Students are expected to integrate information gained in previous units and apply that information throughout the semester. Topics of study include Ecology, Biological Diversity and Genetics. Specific emphasis will be placed on the use of Biotechnology including; genetically modified food, forensics, recombinant DNA technology, Human Genome Project and Gene Therapy.

CHEMISTRY - CH40S

Chemistry 40S students in this very comprehensive course will study five units consisting of Kinetics, Chemical Equilibrium, Acid-Base Equilibrium, Solubility Equilibrium and Oxidation-Reduction. Within these units, concepts such as factors affecting reaction rates, Le Chatelier's Principle, pH, buffers and electrochemical cells are a few that will be addressed. Throughout the program, students will gain an understanding of observation and inference in this experimental science.

PHYSICS 40S - PH40S

Students in this very comprehensive course will study four units consisting of Mechanics, Fields, Electricity and Medical Physics. Students will have been exposed to the elementary concepts of these units in PH30S and apply them to such new concepts as projectile motion, circular motion, work and energy, low Earth orbits, electric circuits and radiation. Throughout the program, students will gain an understanding of how science, technology and the environment are related in a physical sense.

SCIENCE CURRENT TOPICS - SC40S

SC40S is the complement course to SC30S with concentration on topics in society, science and the environment. SC40S topics based on current issues; serve as the organizing themes for this course, in which scientific knowledge and its implications are presented in a unified manner, integrating the areas of biology, chemistry, physics, the geosciences and the space sciences.

PSYCHOLOGY - PY40S

Psychology is the scientific study of behaviour and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behaviour, as well as differences among people. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like addiction, violence, and prejudice. This course exposes students to the major topics found in the field of psychology. It also emphasizes the issues that are of, direct interest and relevance to students completing high school. Students explore the scientific methods upon which psychology is based. They can then apply what they learned to their daily lives.

SOCIAL STUDIES

CINEMA AS A WITNESS TO MODERN HISTORY – CW40S

The course will engage students in an exploration of the connections between cinema as an art form, cinema as a product of history, and cinema as an interpreter of history. Students will be guided to respond to the aesthetic and emotional elements of cinema and to apply concepts of historical thinking as they analyze historical topics represented in film. Throughout the course, students will apply critical media literacy skills in order to understand that film does not simply reflect the past, but interprets and retells the past, at times reconstructing and falsifying it.

GLOBAL ISSUES – GI40S

Through this course students acquire the knowledge, understanding and competencies necessary to live as active democratic citizens engaged in their local, national and global communities. Global Issues provides each student the opportunity to participate in a *Take Action* project. Students will have opportunities to become mindful, hopeful citizens who appreciate the power of collaboration and who contribute to a more equitable and sustainable world.

VISUAL ARTS

GRADE 9 – VISUAL ART - VA10SS

The Visual Art 10S course is organized around the study of the visual elements of line, value, colour, shape, form, texture, and space. Mediums, such as pencil, chalk and oil pastels, charcoal, ink, clay, coloured pencil crayons, acrylic paint, printmaking, plaster sculpture, scratchboard and copper tooling are used and Art history is studied through project work. Subject matter includes a cultural study, community, still life as well as a focus on “the self” in art. Each project contains a research component, preliminary studies, a final-piece, self-reflection and journaling. There is also a sketchbook component to the course. Students are required to complete bi-weekly sketchbook assignments with a focus on the elements and principles of design. There is a fee attached to this course.

GRADE 10 – VISUAL ART - VA20SS

This course covers the various content areas, such as art basics: elements and principles of art with a focus on the principles (unity, balance, rhythm, repetition, contrast) creative thinking processes, a cultural study, still life, different forms of art throughout time, sculpture making, and “art as a message”. Art history is studied through project work. Mediums, such as pencil, chalk and oil pastels, charcoal, ink, clay, coloured pencil crayons, acrylic paint, printmaking, scratchboard, plaster mask making and copper tooling will be used in a skillful manner. Each project contains a research component, preliminary studies, a final piece, self-reflection and journaling. There is also a sketchbook component to the course. Students are required to complete bi-weekly sketchbook assignments with a focus on the elements and principles of design.

GRADE 11 – VISUAL ART - VA30SS

This course is based on topical units such as the aboriginal and cultural studies, art as a social commentary, art as a reflection of the self, etc. Within each unit, students develop problem-solving skills as they research and use various media and tools appropriate to their explorations. Some possibilities for media explored are pencil, chalk and oil pastels, charcoal, ink, clay, coloured pencil crayons, acrylic paint, printmaking, plaster sculpture, scratchboard and copper tooling. These mediums are expected to be used in a very skillful manner to convey the artist’s message. Each project contains a research component, preliminary studies, a final piece, self-reflection and journaling. If students are choosing a particular area of study, they are expected to complete the necessary research for their medium and message. There is also a sketchbook component to the course. Students are required to complete bi-weekly sketchbook assignments with a focus on skill building drawing assignments. Students are required to participate in class discussions and critiques surrounding their work and the work of others.

GRADE12 – VISUAL ART - VA40SS

Students selecting this course are required to work much more independently and preface all work with written proposals as outlined by the Manitoba Senior High Art Curriculum. Each project contains a research component, preliminary studies, a final piece, self-reflection and journaling. If students are choosing a particular area of study, they are expected to complete the necessary research for their medium and message. This work will be based on written student’s proposals. Students may choose the medium that suits their projects, however, these mediums are expected to be used in a very skillful/gallery worthy manner to convey the artist’s message.

There is also a sketchbook component to the course. Students are required to submit their sketchbook on a bi-weekly basis for the instructor to assess. Students are required to keep up with their sketching, research, and experimentation independently and regularly. Students are required to participate in class discussions and critiques surrounding their work and the work of others.

PHOTOGRAPHY – Grade 11 (AD30SS)

Prior to taking the course, students should have skills in Adobe Photoshop and using a digital camera. The purpose of this course is to provide students with an opportunity to develop an understanding of photographic concepts, processes, and techniques that will enable them to create expressive and aesthetically pleasing photographs. Students will be introduced to using a DSLR camera provided by the school.

PHOTOGRAPHY – Grade 12 (PD40SS)

Prior to taking the course, students should have skills in Adobe Photoshop and using a DSLR camera. The Grade 12 Photography course is an extension of the Grade 11 Photography course where students will further develop their skills and knowledge of photographic concepts, processes, and techniques. The focus of this course will be Portrait Photography, both indoor and outdoor, as well as the business of photography.

WOODWORK TECHNOLOGY

GRADE 9 WOODWORK TECHNOLOGY – WT10G

This course is an introduction to the Woods Program. In this course students learn to use plans (drafting), develop introductory skills in carpentry and framing. Activities include many design problem-solving challenges. Students will gain experience through designing, constructing and testing individual choice of woods projects. Also included is the study of machines, tools, processes and safety in the production of projects. This course is taught at Hedges Middle School.

GRADE 10 WOODWORK TECHNOLOGY - WT20G

This course is a continuation of the Woods Program and completion of WT10G is strongly suggested. WT20G further develops the key elements of WT10G and has a specific focus on furniture construction. This course is taught at Hedges Middle School.

GRADE 11 WOODWORK TECHNOLOGY - WT30G

Emphasis will be placed on planning and designing with students demonstrating the various skills through projects. Students will participate in shop improvements and maintenance. Students will also be involved in prop building, design, and creation for various school events. Grade level projects will be assigned. This course will be taught at Hedges Middle School.

GRADE 12 WOODWORK TECHNOLOGY – WT40G

In this final year, students become proficient in the use of all available woodworking machines and power tools. All aspects of machine use and safety will be practiced each day, along with certain aspects of machine care and maintenance. Simple jigs and fixtures are introduced on various operations and machines to aid in project construction. The main objective is for students to use previous experiences in Industrial Arts to plan, develop and construct rewarding projects that reflect the individual skill level obtained. This course will be taught at Hedges Middle School.

CAREER DEVELOPMENT LIFE/WORK COURSES and CAREER EDUCATION

HIGH SCHOOL APPRENTICESHIP OPTION – HSAO4

Apprenticeship is a great way to become a certified journey person in a trade where your credentials are recognized across Canada. The SYAO lets you start your apprenticeship while you are still in high school. It combines regular Senior Years school instruction with paid, part-time, on-the-job apprenticeship training.

HEALTH CARE AIDE (CVEHCA) - (4 credits)

Our Health Care Aide Program introduces you to the career opportunities that await you within the healthcare system. Whether at a hospital, nursing home or in community health, this Cooperative Vocational Education Program prepares you to work immediately after completion. If you have an interest in nursing, the sciences or other health-related professions, we can help you open those doors. The Health Care Aide program is designed to provide students with on-the-job training. Students will acquire basic knowledge and skills required to assist in caring for patients of all ages in hospitals, nursing homes and the community. It allows students the benefit of completing high school while gaining valuable out-of-school experience. The program begins in February and continues into May.

Prior to starting work, there is a five-week training period in a simulated health care facility. The students become familiar with procedures, equipment, and routines used in the workplace. Students are introduced to the nature of Health Care and employer expectations. The remaining 30 weeks are spent on the job. Students spend one day per week in class and the other four days gaining hands-on experience in a health care facility. Course includes

growth and development, gerontology, activities of daily living, care of the chronically ill, communication, medical terminology, anatomy and physiology. On successful completion of the program, students receive the following certificates:

- Health Care Aide St. James Assiniboia
- CPR (Cardio Pulmonary Resuscitation)
- CPI (Crisis Prevention Intervention).

If you have an interest in nursing, the sciences, or other health related professions such as ambulance attendant, unit clerk, or firefighter, this program is an excellent start.

Our Health Care Aide Program introduces you to the career opportunities that await you within the healthcare system. Whether at a hospital, nursing home or in community health, this Cooperative Vocational Education Program prepares you to work immediately after completion. If you have an interest in nursing, the sciences or other health-related professions, we can help you open those doors. We provide technical training and work experience – so when a potential employer asks if you have experience, you can answer with a resounding YES! Most students even have positions waiting for them upon graduation at one of the places they trained. With boundless potential within the industry, there is no shortage of opportunities for today's health care aide and no limit to how far you can go!

These credits offer learning experiences to help students plan and embark on their career development journey. The learning experiences help students increase their self-awareness, gain exposure to experiential career learning, develop essential personal skills and employability skills, acquire knowledge of labour market opportunities, learn about workplace health and safety practices, and deepen their understanding of the relevance of education and academic skills development and engagement.

The career development journey can be depicted as a “hiking journey,” and the resources, tools, skills and attitudes students develop along the way, and the knowledge and experience they gain, can be represented by the hiking icons below.

Grade 9 Career Development Life/Work Exploration (15S - 0.5 cr.) (10S - 1.0 cr.) *



The compass represents a resource for helping students find direction in exploring the world of work as they begin their career development journey. Students increase their self-awareness and develop skills in personal management and career exploration while learning about their interests, skills, personality traits and values.

Grade 10 Career Development Life/Work Planning (25S - 0.5 cr.) (20S - 1.0 cr.) *



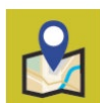
The backpack represents a resource student use to plan for their career development journey by “packing” the right skills, goals, education, and career and community experiences. Students plan for their high school career, selecting the courses and programs of interest to them and developing the skills to prepare for post- secondary education and training.

Grade 11 Career Development Life/Work Building (35S - 0.5 cr.) (30S - 1.0 cr.) *



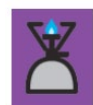
The tent represents the focus on building career skills. It symbolizes the establishment of a foundation and a starting point for further career development. It also represents the need to build skills required for life and career transitions. The protection provided by the tent symbolizes the guidance and support offered by teachers, parents/guardians and employers.

Grade 12 Career Development Life/Work Transitioning (45S - 0.5 cr.) (40S - 1.0 cr.) *



The map represents the self-directed skills students have established in taking charge of their own career development journey. The map symbolizes individuals looking toward their future career while reflecting on and developing a personal plan or portfolio. Learning to read a map represents the learning required to read and follow labour market information and career trends.

Credit for Employment (CFE) (35G/45G—0.5 cr.) (30G/40G—1.0 cr.)



The camping stove represents the spark and creative expression of youth participating in paid employment, with the support of parents/guardians, employers and educators. It represents the replenishment required along an individual's career development journey and the enrichment of work and career for personal growth and development.



The water bottle represents students making a contribution by volunteering for worthwhile causes or organizations, assisting people with meeting their important life needs. The civic and transferable knowledge, skills and attitudes obtained can increase students' self-esteem and maturity and provide more awareness of the needs of others in the community. Students develop strong character skills and citizenship qualities while exploring career opportunities. A student who has completed their 40 Hours of CIA may then participate in the Community Service Credit, which is an additional 110 hours of volunteering, and can be counted as one of the 30 credits needed for graduation.

JOHN TAYLOR STUDENT SERVICES

John Taylor Collegiate embraces diversity and inclusion. Through our guidance, resource, ACCESS and Special Needs Services we are able to meet the academic and social-emotional needs of our students.

STUDENTS WITH EXCEPTIONAL NEEDS

John Taylor has an excellent program for students with exceptional needs. Inclusion in programming is supported through differentiated instruction, adaptations and modifications. For students requiring intensive supports, small group assistance and individualized programming are available. Our students have access to music appreciation, physiotherapy, life skills and swimming programs. In addition to receiving personal and social skills training, our students learn about their community and their roles in it through fieldtrips, portfolio development, and work experience programs. These opportunities and support from Vocational Rehabilitation, Community Living disability Services and partnership programs, prepare students for their eventual transition from high school into the community.

RESOURCE SERVICES

Resource teachers collaborate with classroom teachers to support inclusion through differentiated instruction, adaptations, and modified programming. The peer tutoring program is available to all students requiring assistance with specific courses, and study skills workshops are delivered through regular programs.

GUIDANCE SERVICES

Guidance counselors provide individual and group services, career and post-secondary planning, and information on social-emotional topics. Staff serves as liaisons with outside agencies, support services and school staff and administration.