

Ecole Sir John Franklin High School

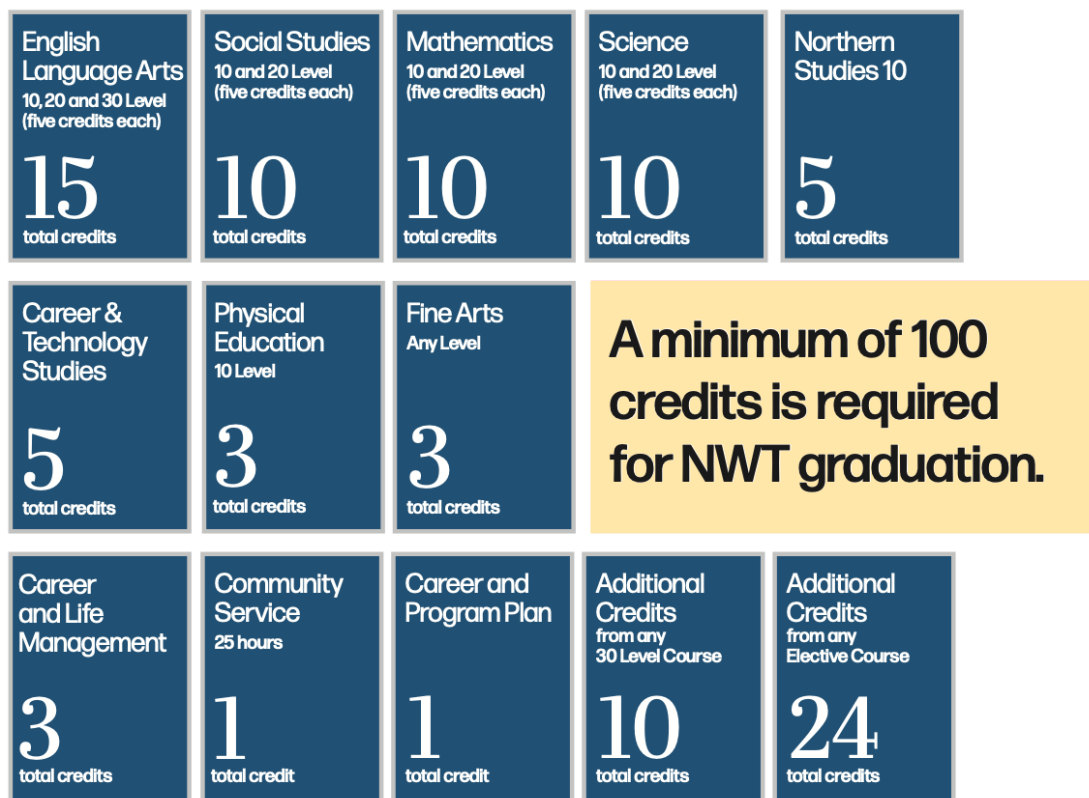


2023-2024 Grade 10-12 Course Selection

INTRODUCTION

The purpose of this course selection document is to provide students with an outline of the courses offered at Sir John Franklin High School. Students are encouraged to talk to their teachers, counselors and parents/guardians to assist in course selection.

It is important to be familiar with the current NWT Graduation Requirements when making your selections.



Students entering grade 10 are required to take the following:

- ☐ English
- ☐ Social Studies
- ☐ Science
- ☐ Math
- ☐ Northern Studies
- ☐ CALM
- ☐ PE
- ☐ Fine Arts
- ☐ CTS courses

*Students are required to achieve a mark of 50% or more in order to receive credits for courses.

English

ELA 10-1, 20-1 and 30-1

These courses are designed for students who plan on pursuing further learning in English and some type of post-secondary studies. The ELA 10-1, 20-1, 30-1 course sequence provides a more in depth study of text in terms of textual analysis. Students who are interested in the study, creation and analysis of literary texts may prefer to take the ELA 10-1, 20-1, 30-1 course sequence.

ELA 10-2, 20-2, 30-2

This group of courses place a greater degree of emphasis on the creation of personal responses to contexts and on critical responses to print and non-print texts rather than literary texts. Students who are interested in the study of popular culture and real-word contexts may prefer to take the ELA 10-2, 20-2, 30-2 course sequence. Students who aspire to post-secondary education, but not necessarily to careers related to the English language arts, may register in this course sequence.

Social Studies

Social Studies 10-1

In this course (Perspectives on Globalization) students will explore multiple perspectives on the origins of globalization and the local, national, and international impacts of globalization. Students will examine the relationship among globalization, citizenship, and identity to enhance skills for citizenship in a globalizing world.

**Also offered in French.*

Social Studies 10-2

In this course (Living in a Globalizing World) students will explore historical aspects of globalization as well as the effects of globalization on lands, cultures, human rights, and quality of life. Students will explore the relationship among globalization, citizenship and identity.

Social Studies 20-1

In this course (Exploring Nationalism) students will explore the complexities of nationalism in Canadian and international contexts. They will study the origins of nationalism and the influence of nationalism on regional, international and global relations.

**May also be offered in French based on course requests.*

Social Studies 20-2

In this course (Understanding Nationalism) students will examine historical and contemporary understandings of nationalism in Canada and the world. They will explore the origins of nationalism as well as the impacts of nationalism on individuals and communities in Canada and other locations.

Social Studies 30-1

In this course (Perspectives on Ideologies), students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. An analysis of various political and economic systems will allow students to assess the viability of the principles of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to emergent global issues.

**May also be offered in French based on course requests.*

Social Studies 30-2

In this course (Understandings of Ideologies) students will examine the origins, values and components of competing ideologies. They will explore multiple perspectives regarding relationships among individualism, liberalism, common good and collectivism. An examination of various political and economic systems will allow students to determine the viability of the values of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to emergent global issues.

Northern Studies

Northern Studies is designed to give Secondary School students in the North a working knowledge of their Northern society. The course focuses on developing knowledge, understanding, and appreciation of the historical, cultural and social foundations of the Northern Territories. The course helps students to appreciate the importance and uniqueness of the North and to promote informed, respectful and engaged citizenship in a rapidly changing society.

Math

Math 10C

Math 10C is an introductory high school math course. It will prepare students for the Precalculus or Foundations. Math 10C has a heavy focus on algebraic reasoning through which students learn to solve problems with a variety of methods.

**Also offered in French.*

Workplace & Apprenticeship Math 10, 20 & 30 (Math 10-3, 20-3 & 30-3)

This course sequence is for students who are interested in trades or direct entry into the workforce. Students who are successful in this course can continue with Mathematics 10-C or Mathematics 20-3. General topics include measurement, trigonometry, finance, number sense and geometry.

**Some institutions require Foundations or Pre-Calculus courses as entry requirements for certain trade and apprenticeship programs. It is important that students carefully research their field of interest before choosing a Mathematics course sequence*

Precalculus 20 & 30 (Math 20-1 & 30-1)

This course sequence is for students who plan to enter post-secondary programs such as engineering, mathematics, sciences, some business studies, or other programs that require Calculus.

Foundations 20 & 30 (Math 20-2 & 30-2)

This course sequence is for students wishing to study at the post-secondary level in diverse fields, including arts, some technology programs, and some apprenticeship programs. This path will fulfill most students' needs and has been designed with a great deal of flexibility so that students can switch sequences if his or her interests change.

Calculus (Math 31)

This is a highly advanced course designed for students entering post-secondary programs that recommend or stipulate calculus as an entrance requirement. It is recommended that students complete Pre-Calculus 30 before taking Math 31.

Science**Science 10**

In Science 10 students will have an opportunity to experience a mixture of practical and theoretical applications of each of the main scientific disciplines: Biology, Chemistry, and Physics. Through these studies, students will gain an appreciation for the interconnections between each of these disciplines and will also gain the necessary basic skills needed to enter into the 20/30 science level programs in these disciplines.

**Also offered in French.*

Experiential Science 10

Experiential Science 10 is a hands-on course to help understanding the biotic and abiotic processes of Northern Terrestrial Ecosystems. Experiential Science 10 is comprised of 4 units; Geology and Geomorphology, Climatology and Meteorology, Ecology of the Land, and Resource Management and Population Dynamics.

Experiential Science 20

Experiential Science 20 is the study of Marine ecosystems, the physical and chemical properties of the Marine ecosystems, as well as the effects of change on these properties in the ecosystems.

Experiential Science 20 is comprised of 4 units; Introduction to Oceanography, Introduction to Ocean Ecology, Introduction to Energy Resources and the Ocean Environment and The Human Impacts and Governance.

Experiential Science 30

Experiential Science 30 is the study of the interconnectedness between the biotic and abiotic Northern Fresh Water Aquatic Environment and its fragility. There are 4 major units; Structural Geology, Introduction to Limnology,, Freshwater Ecology, and Resource Management.

Chemistry 20

Chemistry 20 takes students into the world of chemical reactions allowing students to develop a knowledge and appreciation for how and why chemical reactions take place and predicting qualitatively and quantitatively the outcome of chemical reactions. Experimentation and practical applications are stressed in order to help the student to understand these basic concepts.

**May also be offered in French based on course requests.*

Chemistry 30

This course uses the basic skills and reaction theory acquired in Chemistry 20 to take a more in-depth look at some very practical applications of Chemistry. Students will have an opportunity to see applications of this basic chemistry knowledge not only in industry, but also in helping to explain scientific phenomena in other sciences and at home.

**May also be offered in French based on course requests.*

Physics 20

Physics 20 is the beginning of the Physics journey. It raises awareness regarding motion around us. It explores energy and forces that cause motion. It looks at getting from where you are to where you want to be. Topics include Kinematics, Dynamics, Energy, and Mechanical Waves.

**May also be offered in French based on course requests.*

Physics 30

Physics 30 topics include Momentum and Impulse, Forces and Fields, Electromagnetic Radiation, and Atomic Physics.

Biology 20

The major concepts explored in this course are Body Systems, equilibrium in the Biosphere and Bioenergetics. Each concept is studied within the evolutionary framework of modern Biology. The theme of each unit establishes connections to units of study presented in Biology 30.

**May also be offered in French based on course requests.*

Biology 30

The major concepts developed in this course are Body Systems, Molecular Biology (genetics), and Populations and Community Genetics. Each concept is studied within the evolutionary framework of modern biology. Students are encouraged to develop a working knowledge of bioethics in order to better understand the fast changing pace of this Science and to make informed decisions on these sometimes controversial topics.

**May also be offered in French based on course requests.*

Second Language Courses

Indigenous Language 10, 20 & 30

The main purpose of this introduction class is to gain knowledge in cultural activities and basic conversation in the Tlicho language. Students will be immersed in the language and get on the land experience through various activities. Each lesson in this section includes a practice and review dialogue, vocabulary development, group activities, listening and speaking Tlicho; students will practice asking questions to peers and responding in the language to develop their fluency. This course is offered to beginner students and students with experience from Grades 9-12.

Post-Intensive French 15, 25 & French 31

These courses are for students continuing their French language proficiency development based on the neurolinguistic approach. It builds on prior knowledge acquired in PIF 9. There is a focus on oral skills developed through authentic communication in the classroom. At the same time they continue to explore more detailed strategies for reading and writing. Activities are project-based and based on themes. At the Grade 12 level, PIF 12 is also called French 31.

Core French 10, 20 & 30

The Core French courses continue to build on the language skills developed in previous Core French classes, and move linguistically to more comprehensive use of language skills in reading, writing, and listening. Students will continue to examine strategies that help them learn and understand a second language including oral presentations, written work and other interactive activities.

French Language Arts 10

This course emphasizes the language skills of reading, writing, listening and speaking. These language components are developed through a program of literature and language study, including grammatical work, short stories, plays, and novels.

French Language Arts 20

This course builds on the language and literacy tools developed in previous years. In this course, students study plays, novels and short stories, focusing increasingly on careful analysis. In order to explore themes, characters, symbolism, tone and other literary devices in these works, they write literary essays and expressive texts.

French Language Arts 30

This course represents, for students, the final step in the development of their reading, writing, listening, and speaking skills. Analyzing plays, short stories, novels, films, and documentaries through literary essays and expressive texts allows them to challenge their understanding of complex themes and nuances in literary works in order to prepare for their final examination. Students will write a diploma exam at the end of the course comprising 30% of their grade. Also, students will receive a bilingual certificate from YK1.

Fine Arts

Choral Music 10, 20, 30 (Choir)

Students regularly engage in activities to improve their vocal technique, sight-reading skills and aural skills through practice and performance. Students also complete music theory and history modules as well as a research project. Coursework involving both solo and ensemble singing is designed to encourage self-confidence with the material in many contexts.

General Music 10, 20 & 30 (Guitar)

The instrument for this course is the acoustic guitar. Students learn basic playing skills such as melody reading through traditional and TAB notation and fluency with a chordal accompaniment. Students also complete music theory and history modules as well as a composition project.

Instrumental Music 10, 20 & 30 (Band)

This course is for a student who wishes to continue playing their band instrument. Students are regularly engaged in activities to improve their playing technique, sight-reading skills and aural skills through practice and performance. Students also complete music theory and history modules as well as a research project. Course work involving both solo and ensemble playing is designed to encourage self-confidence with the material in different contexts.

Art 10

This is an introductory level studio art course, designed for students with all artistic ability levels and skills. Students will explore various materials, techniques, concepts, and processes essential to understanding the visual arts and the role of the artist, work on individual projects and studio studies to develop basic drawing and painting skills, learn design concepts, and further develop hand-eye coordination and fine-motor skills. The art assignments are designed to enhance and nourish such skills as creative problem solving and critical thinking, while developing the student's individual style.

Art 20 & 30

Art 20 & 30 is primarily a studio-based course that also addresses related art theories, art history, and career exploration in fine and commercial art. Studio activities will include art experiences in drawing, painting, composition, design, and form.

Drama 10

This program is designed to cover a range of drama techniques and culminates with a performance. Those in the Drama 10 class may be in performances that require after school rehearsals and some weekend work. The final production happens in the Black Box Theatre.

Drama 20

This program covers a range of drama techniques and objectives. More emphasis is placed on the development of the student as an “actor” and really challenges them to build and create characters. After school and weekend rehearsals should be expected when preparing for the production. An ability to sing and dance is not required to take the class but a willingness to try is.

Drama 30

This course follows the same outline as the Drama 20 program but challenges your growth as an actor and ability to incorporate previous learning objectives.

Drama Technologies

This program allows you to explore the technical aspects of lighting, sound, set preparation, props, costume, set painting, and design. You will be required to help outside of school hours for performances. Please speak with the instructor in advance if you would like to have this opportunity to help “orchestrate” a show.

Physical Education

Physical Education 10

The main aim of the physical education 10 program is to enable students to develop the knowledge, skills and attitudes necessary to lead an active healthy lifestyle. Students are introduced to a wide variety of activities both in and out of the gymnasium.

Physical Education 20 & 30

Physical Education 20 & 30 are optional courses aimed toward students who have a strong interest in human movement and learning about developing leadership skills. Students develop the knowledge, skills and attitude necessary to lead an active, healthy lifestyle. Students will be expected to take various leadership roles in many class activities to create a fun, safe learning environment for everyone.

Sport School

The goal of the Falcon Sport School curriculum is to provide training and foundational movement skills to our student athletes. Strength training, gymnastics and spring training are skills taught as they are important for long term athlete development as they provide the building blocks for future movement development and physical preparation.

CTS Courses

Automotive Mechanics

Automotive offers students hands-on experience to increase their knowledge and skills related to the repair and maintenance of automobiles. Whether they plan to prepare for a career in the industry or simply want to be an informed owner/ operator of a vehicle; mechanics is an educational opportunity for all high school students.

Aviation

Aviation is a 3-credit course that introduces students to a wide variety of skills that would be useful in preparing for aviation and/or other careers. In addition to the hands-on component of the course, it will also have several research components geared around the aviation industry. Some topics covered will include: Theory of Flight, Stability and Control, Types of Propulsion, Airframes and Sheet metal work, and Remote Controlled Crafts.

Communication Technology

There are several options for what a student can learn in Communication Technology. They can choose to learn how computers work and practice rebuilding computers. They can learn computer programming using C++ or Python. They may also choose to learn 3D modeling and drafting.

Construction Technologies

Our construction technologies program explores the traditional hand and power tool woodworking techniques used in building furniture and residential housing. Students are mentored to increase self-confidence and independence during the building of their woodworking projects. A variety of student designed projects are built in construction.

Cosmetology and Aesthetics

The Cosmetology program provides students with the opportunity to experience all levels of hair styling and esthetics. In a project-based environment, you will work on forming, finishing and designing hair, trichology, manicures, dermatology and facials.

Culinary Arts

Students in Culinary Arts will gain a comprehensive understanding of culinary skills from the very basics of knife skills and food preparation to advanced techniques in butchery, international cuisine and larger scale food production. There is a strong focus on teamwork, nutrition, proper food handling, safety and sanitation. Students also work on developing management skills in selecting, preparing and serving food. They will also assess the impact these decisions might have on the global community.

Electro-Technologies

The Electro-Technologies course comprises modules at the introductory and intermediate levels of electro-assembly, repairs maintenance, power generation, communications, and elementary robotics. This is a practical course with a strong theory component. It would be a good introductory course for a technical college program.

Fitness 15/25/35

Fitness courses offer students the opportunity to learn the strategies to develop a healthy, active lifestyle and to appreciate the benefits from daily activity. Each student is required to work towards creating a personalized workout plan that specifically targets their individual fitness goals.

Health Care Services

Health Care Services courses offer students the opportunity to learn about the human body by examining anatomy and the function of body systems, understand the resources to support health and wellness of individuals in the health care context, and develop skills in first aid, CPR and safety necessary for careers in emergency response and medical technology.

Media, Design and Communication Arts

Media, Design and Communication Arts encourages students to use creative thinking and problem-solving skills in presentations, photography, print, and audio/visual production in order to help them develop media and technology literacy. Students may learn how to take digital photos & edit images, create digital art, videography and video editing as well as 3D modeling.

Robotics

Students learn about the fundamentals of robotics systems, basic robotics functions, sensor devices, control systems, and remote/autonomous systems. The course is a blend of theory and practice with the end goal of preparing students for technology related jobs.

Tourism

In this course students will explore the impact of tourism in Canada and around the world. They will develop knowledge and skills required in various aspects of the hospitality and tourism industry. As well, they will develop management, organization, and communication skills related to leadership roles in tourism.

Welding and Fabrication

Students will have the opportunity to investigate and develop important knowledge, skills and attitudes related to the properties of materials and the design and fabrication of useful products. Students are provided with a broad base of relevant theory and practice that builds daily living and career-specific skills. Successful completion of advanced level modules give students the skills and experience required for entry-level employment or for post-secondary education.

Wildlife

Wildlife is designed to immerse students in relevant, authentic and challenging experiential activities, in and outside of the school. These activities will be done within the context of place, and with a focus on the exploration of local Indigenous culture, knowledge, perspectives, and influence on the past, present and future in NWT. During this course, students will be introduced to and educated in: safe/respectful practices and attitudes for outdoor activities; interspecies relationships; and safe, sustainable and responsible/respectful harvesting practices and attitudes.

Electives

General Psychology 20

Students will gain a broad understanding of the many topics of study in psychology, including learning and thinking, conflicts and disorders, as well as career opportunities

Local & Canadian Geography 20

Students will learn about the interaction between geographic factors and human settlement patterns in urban and rural areas, including Western Canada and Eastern Canada

Political Thinking 20

In this course, students will understand the process of political decision making in a Canadian context from a historical, political, and economic perspective, develop an awareness of differing political points of view and how these points of view influence individual political beliefs, and examine the relationship between freedom and responsibility in the functioning of a democratic society.

Yoga

Yoga introduces students to a number of strategies to cope with stress, become more physically fit, and improve their overall level of wellness. Familiarizing students with Yoga strategies can help show them the path to preventive medicine. This course will expose students to ways yoga can contribute to a healthy lifestyle and encourage students to make yoga part of their daily routine beyond the classroom.

Study Hall

Study Hall is an opportunity for you to build time into your school day to work on homework, learn study skills, and develop time management and organizational skills.