



**ÉCOLE
SIR JOHN FRANKLIN
HIGH SCHOOL**

2025-2026

Grade 12 Course Handbook

ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

GRADE 12 COURSES



School Information

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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.

English Language Arts 10, 20, 30 Level (5 credits each) 15 Total Credits	Social Studies 10, 20 Level (5 credits each) 10 Total Credits	Mathematics 10, 20 Level (5 credits each) 10 Total Credits	Science 10, 20 Level (5 credits each) 10 Total Credits	Northern Studies 10 Level 5 Total Credits
Career & Technology Studies 5 Total Credits	Physical Education 10 Level 3 Total Credits	Fine Arts Any Level 3 Total Credits	A minimum of 100 credits is required for NWT graduation.	
Career & Life Management 3 Total Credits	Community Service 10 Level 1 Total Credit	Career and Program Plan 1 Total Credit!	Additional Credits From any 30 Level Course 10 Total Credits	Additional Credits From any Elective Course 24 Total Credits

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

FULL-TIME SCHEDULES

In order for students to be eligible for awards and participation in extra-curricular activities, students must have a full-time schedule.

- **Grade 12:** 60% course load (3 full periods each semester)



English

ELA 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 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 30-1

In this course, students 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 engages students to assess the viability of liberal principles in juxtaposition to other ideologies (for example, communism, vs socialism, vs capitalism, vs fascism), particularly in the context of international organisations that establish global systems as either liberal democratic, or right-wing authoritarian. Developing understanding of the roles and responsibilities associated with citizenship equips students to respond to emergent global issues with informed, critical opinions through a multitude of civic and democratic processes.

**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 30

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

Precalculus 30

This course sequence is a rigorous, demanding course for students who plan to enter post-secondary programs such as engineering, mathematics, sciences, some business studies, or other programs that require Calculus. Pre-Calc 30 is a course which demands a high level of critical thinking and a solid mastery of the algebraic skills presented in Math 10C and Pre-Calc 20.

Topics include: Transformations & Operations on Functions, Polynomial Functions, Logarithmic & Exponential Functions, Rational & Radical Functions, Trigonometry, and Permutations & Combinations.

Foundations 30

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. Topics include: Logical Reasoning, Set Theory, Permutations & Combinations, Rational Expressions, Probability, and Polynomial, Exponential, Logarithmic, & Trigonometric Functions.

ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

GRADE 11-12 COURSE SELECTION



Workplace & Apprenticeship Math 30

This course is for students who are interested in trades or direct entry into the workforce. Students who are successful in Workplace & Apprenticeship 10 and 20 may choose to continue their studies in this course.

Topics include Measurement, Trigonometry, Financial Literacy, Number Sense and Geometry.

Calculus (Math 31)

Mathematics 31 is designed to introduce students to the mathematical methods of calculus. The course builds on students' existing knowledge from the Math 10C, Pre-Calculus 20 and 30 curricula, and expands this knowledge into the understanding of limits, derivatives and integral calculus. Emphasis in the course will be placed on preparation to study further calculus courses in university or technical schools. This is a demanding course that requires a mastery of algebra, and a thorough understanding of functions. It is recommended that students complete Pre-Calculus 30 before taking Math 31.

Science

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 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.

Physics 30

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



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

Tłıchq 30

Tłıchq 30 will be an inclusive environment for students who wish to continue learning Wìllìdeh/Tłıchq Yatì and Culture. Through new units and Cultural activities, students will learn additional domains of vocabulary, and should be ready to challenge themselves to improve their language proficiency while taking on leadership roles in promoting use of Wìllìdeh/Tłıchq Yatì.

Core French 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 31 (PIF)

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.

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. This course includes fun plays and projects that encourage students to develop their French skills in their future endeavors.



Fine Arts

Choral Music 30 (Choir)

Students will work to improve their vocal technique, sight-reading skills and aural skills through practice and performance. Course work involving both solo and ensemble singing is designed to encourage self-confidence with vocal music in many contexts. There is a performance at the end of the semester.

General Music 30 (Guitar)

The instrument for this course is the acoustic guitar. Students continue to work on their playing skills such as melody reading through traditional and TAB notation and fluency with chord progressions. There is a performance at the end of the semester.

Instrumental Music 30 (Band)

This course is for a student who wishes to continue playing their band instrument. Students play every day to improve their playing technique, sight-reading skills and ensemble skills. Course work involving both solo and ensemble playing is designed to encourage self-confidence with the material in genres. There is a performance at the end of the semester.

Art 30

This 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 30

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 two productions; a musical and a stage play.

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 leading up to the two performances.



Physical Education

Physical Education 30

Physical Education 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.

Fitness

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.

CTS Courses

Culinary Arts

Students in Culinary Arts will demonstrate their proficiency of proper food and equipment safety, recipe proficiency, and efficient use of cutting, measuring and cooking tools. Students will explore culinary concepts including menu design, diverse cuisine and cooking methodologies, social, economic, and environmental effects of food procurement decisions, as well as career opportunities in the culinary arts industry. Through hands-on activities and in-depth study of the culinary arts field, this course will help students showcase their culinary skills! There is a strong focus on teamwork, proper food handling, safety and sanitation.

Communication Technology

There are several options for what a student can learn in Communication Technology. They can focus on mastering skills like Photoshop, digital art creation, video editing and shooting, or 3D modeling. 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.

Media, Design and Communication Arts

Photography 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 and videography.



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 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.

Electro-Technologies

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

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

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.

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.

ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

GRADE 12 COURSES



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.

Leadership Courses

Teaching Assistant (5 credits)

Each student must find a teacher who will sponsor them as a Teaching Assistant in their area of interest. Students will work with a mentor teacher in a grade 9 or 10 course as a Teacher Assistant. Throughout the course, students will develop their individual and collective sense of social responsibility while learning lifelong skills. These skills include, but are not limited to, communication, creative and critical thinking, personal and cultural identity, social responsibility, and awareness. Students will apply these skills through experiential learning while mentoring students through planning, reflecting and teaching.

Leadership 12 (5 credits)

This course is designed to give students the opportunity to further develop personal responsibility and leadership skills through the acquisition and application of leadership theory and practice. This course underscores further self development and service to the school community. The course will involve event planning within the school, organizing and helping to run school assemblies, organizing spirit days etc.

Other Courses

RISE 12

RISE 12 is a non-credit course where students will receive a more structured and supported study hall. There will be a teacher there to help them with organization, time management, executive functioning, and provide support for their classwork. Students who regularly check in with their Program Support Teacher may find this class beneficial. Please connect with your PST if you think you may be interested.



Planning Document

	Courses Grade 12 students must have at least 6 courses within their timetable.
1.	English: _____
2.	Additional Grade 12 Level Course: _____
3.	Additional Grade 12 Level Course: _____
4.	
5.	
6.	
7.	
8.	
9.	
10.	
Alternate: If you do not get your first choice(s)	
A.	
B.	