



**ÉCOLE  
SIR JOHN FRANKLIN  
HIGH SCHOOL**

**2024-2025**

**Grade 10 Course Selection**

# ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

## GRADE 10 COURSE SELECTION



### School Information

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@sirjohnfalcons



Sir John Franklin High School

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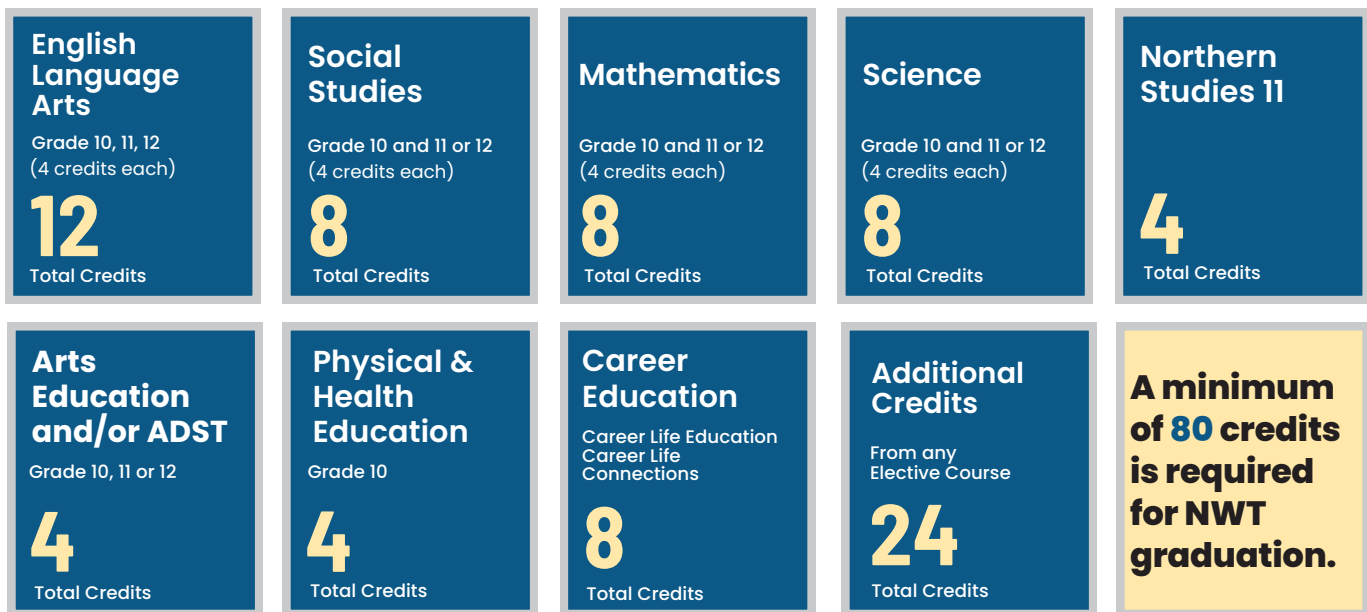
## GRADE 10 COURSE SELECTION



### 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 NWT Graduation Requirements for students who entered Grade 9 in the 2023–2024 school year when making your selections.



Grade 12 credits – Of the 80 total credits, students must complete a minimum of 16 credits at the grade 12 level including a required Language Arts 12 course and Career Life Connections.

### Students entering grade 10 are required to take the following:

- |   |  |
|---|--|
| <input type="checkbox"/> English        | <input type="checkbox"/> Career Life Education       |
| <input type="checkbox"/> Social Studies | <input type="checkbox"/> Physical & Health Education |
| <input type="checkbox"/> Science        | <input type="checkbox"/> Arts Education and/or ADST  |
| <input type="checkbox"/> Math           | <input type="checkbox"/> Study Hall                  |

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

# ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

## GRADE 10 COURSE SELECTION



### English

#### **English - Literary Studies 10 (2 credits) & Composition 10 (2 credits)**

Literary Studies 10 is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Composition 10 is designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling. The course builds students' writing competencies by introducing them to varied structures, forms, and styles of compositions. Students have opportunities to individually and collaboratively study, create, and write original pieces, exploring audience and purpose.

### Social Studies

#### **Social Studies 10 (4 credits)**

The Social Studies 10 course explores issues related to governance, including contemporary environmental, political, and economic policies in Canada, as well as discriminatory policies from our past, including internments during the World Wars. By examining national identities and various political structures in Canada (including Indigenous self-governance), students consider multiple perspectives in matters of conflict and cooperation, including issues of human rights, such as findings and recommendations of the Truth and Reconciliation Commission. Students consider Canada's role on the international stage by analysing and evaluating foreign policy in times of conflict and peace.

*\*Also offered in French based on course requests.*

### Science

#### **Science 10 (4 credits)**

The Science 10 curriculum covers four topics:

- Genetics - patterns of inheritance, DNA, and mechanisms for the diversity of life
- Chemical reactions - classification of matter, balancing reactions, and organic and inorganic compounds
- Energy - potential and kinetic energy; applications in daily lives
- Space - formation of the universe, collection and analysis of astronomical data

*\*Also offered in French based on course requests.*



### Mathematics

Starting in grade 10, students have a choice in which math course they select. Depending on post-secondary plans and future career paths, careful considerations should be made to the selected course. For instance, Workplace Math 10 may be of interest to students wishing to pursue a career in the trades but will not satisfy university requirements. Furthermore, the Pre-Calculus courses are designed for students wanting to enter University; however, many programs will accept the Foundations pathway.

*\*You may need to contact your school counselor or admissions counselors for clarification.*

#### **Foundations and Precalculus 10 (4 credits)**

This course is designed for students who have been successful in Math 9. It prepares students for Foundations of Math 11 or Pre-Calculus 11.

Topics: Number patterns, polynomials, relations and functions, coordinate geometry, trigonometry.

Minimum of 60% in math 9 recommended.

*\*Also offered in French based on course requests.*

#### **Workplace Math 10 (4 credits)**

This course is designed for students who have been successful in Math 9 and prepares students for Workplace 11.

Topics: Measurement, games analysis, similarity, trigonometry, proportional reasoning, financial literacy.

### Career-Life Education

#### **Career-Life Education (4 credits)**

This course focuses on gaining a clear understanding of career-life development knowledge, skills, and strategies for life's journey into adulthood, and includes:

- exploring career-life possibilities for adult life;
- examining ways to publicly represent ourselves both face-to-face and in digital environments;
- practising inclusive and respectful interactions for various community and work-related contexts;
- connecting and engaging with supportive community members;
- researching post-graduation options and planning resources.



## **Languages**

### **Indigenous Language 10** (4 credits)

The main purpose of this introduction class is to gain knowledge in cultural activities and basic conversation in the Wiilideh language. Students will be immersed in the language and get on the land experience through various activities. Students practice and review dialogue, vocabulary development, group activities, listening and speaking Wiilideh; students will practice asking questions to peers and responding in the language to develop their fluency.

### **Post-Intensive French 15** (4 credits)

This course is 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.

### **Core French 10** (4 credits)

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** (4 credits)

This course allows French Immersion students to further develop their French language skills by reading, writing and speaking French. The outcomes of these courses are:

- The understanding and appreciation of different francophone cultures around the world;
- The analysis and interpretation of a variety of texts and illustrations in French.
- Understanding the role of media on the values of society;
- The development of a rich and developed writing style in French;
- The advantages of bilingualism in personal, professional and social life;
- The review and practice of French verb conjugations and grammar.



## **Physical Education**

### **Physical Education 10 – Traditional** (4 credits)

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 and healthy lifestyle. In this course, students are introduced to a wide variety of sports and activities that are a regular part of the school year. Students will also have the opportunity to learn individual and cooperative ways to be active. Students will have the opportunity to develop and practice individual and team skills. Many activities in this course will center around sports and activities that our school participates in. These activities will happen both in and out of the gymnasium.

### **Physical Education 10 – Active Living** (4 credits)

This course enables students to further develop the knowledge and skills they need to make healthy choices and to develop healthy habits that lead to an active and healthy lifestyle, now and in the future. Students will participate in a wide range of physical activities, including fitness, yoga classes, outdoor and traditional activities to help students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living.

## **Arts Education**

### **Art 10** (2 credits)

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.

### **Drama 10** (2 credits)

This program is designed to cover a range of drama techniques and with two performances, one in NACC and one in the Black Box Theatre. Those in the Drama 10 class will be in performances that require after school rehearsals and some weekend work.



# ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

## GRADE 10 COURSE SELECTION



### **Drama Technologies** (2 credits)

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.

### **Choral Music 10 (Choir)** (2 credits)

This course is for students who like to sing and for those who want to improve their singing voice and learn how to work better in a group. Students will learn how to improve their vocal range and technique, sight-reading skills and listening skills by practicing in each class and by giving a performance at the end of the semester. Students also complete music theory and history modules as well as a research project. Course work involving both solo and ensemble singing is designed to encourage self-confidence, self-expression, improved self-esteem as well as skill building towards a future in the Arts as a soloist and skilled ensemble member.

### **General Music 10 (Guitar)** (2 credits)

This course is for students who want to learn to play the guitar or who already play the guitar and want to build on the skills that they have. Students learn basic playing skills such as melody reading through traditional and TAB notation and how to play chord progressions more fluently. Students also complete music theory and history modules and learn how to write a song.

### **Instrumental Music 10 (Band)** (2 credits)

This course is for a student who wishes to learn to play a band instrument. Students will play each class so that they improve their playing technique, sight-reading skills and listening skills. There is a performance at the end of the semester. Students also complete music theory and history modules and a research project. Course work involving both solo and ensemble playing is designed to encourage self-confidence, improved self-esteem, self-expression with the goal of being a strong group member.



# ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

## GRADE 10 COURSE SELECTION



### **Applied Design, Skills & Technologies**

Each ADST course provides the opportunity for students to earn a maximum of 2 credits for each course.

#### **Power Technology 10 (Automotives)**

This course will cover the basic theory of operation of the two, and four-cycle engines by disassembling, inspecting and reassembling each engine. Students will be provided with the basic knowledge of safe shop practices and hand and related power tool operation. This course will cover the basic operation of an automobile.

#### **Aviation 10**

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.

#### **Communication Studies 10**

Students in Communication Studies have diverse learning pathways. They can focus on mastering skills like Photoshop, digital art creation, video editing and shooting, or 3D modeling. Alternatively, they can opt for computer science and engineering modules, including computer building, C++ coding, or architectural 3D modeling using Fusion 360. Students are able to mix and match areas of interest.

#### **Construction Technologies 10**

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 10**

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.

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## GRADE 10 COURSE SELECTION



### **Culinary Arts 10**

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 10**

Electro-Technologies is an introductory course focusing on the introduction to electronics. The course is designed so that students will be able to understand and create circuits, solve problems and come up with solutions using the design process. Throughout the course students will develop an understanding of electrical theory to help them perform: electro-assembly, repairs maintenance, power generation and communications. Hand and power tools will be used to repair and manufacture projects using a variety of materials.

### **Photography and Media Arts 10**

Photography and Media 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.

### **Robotics 10**

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.

### **Metalwork 10**

This course is designed for students to learn metalwork techniques through fabrication of projects using a variety of fabrication techniques, such as: gas welding, MIG and SMA (stick) welding projects, aluminum casting, machining on a lathe. Emphasis will be on the creativity and design prior to the build. Students may learn to use metal lathes, grinders, drill presses and welding equipment along with sheet metal machines and hand tools to complete their projects.