



# Archbishop MacDonald Catholic High School

<b>Course</b>	Computing Science 10 (3 credit)
<b>Year</b>	2025 - 2026
<b>Term</b>	Q4
<b>Teacher(s)</b>	Martin Flynn (martin.flynn@ecsd.net)
<b>Resources</b>	Notes and handouts will be provided on Google Classroom
<b>Program of Studies</b>	<a href="https://curriculum.learnalberta.ca/curriculum/en/pos/CTSCSE">https://curriculum.learnalberta.ca/curriculum/en/pos/CTSCSE</a>
<b>Overview</b>	This course consists of three 1 credit modules:

## **CSE1010: COMPUTER SCIENCE 1 (1 credit)**

Students explore hardware, software and processes. This includes an introduction to the algorithm as a problem-solving tool, to programming languages in general and to the role of programming as a tool for implementing algorithms.

*Prerequisite: None*

## **CSE1110: STRUCTURED PROGRAMMING 1 (1 credit)**

Students are introduced to a general programming environment in which they write simple structured algorithms and programs that input, process and output data, use some of the more basic operators and data types, and follow a sequential flow of control.

*Prerequisite: none*

## **CSE1120: STRUCTURED PROGRAMMING 2 (1 credit)**

Students work with structured programming constructs by adding the selection and iteration program control flow mechanisms to their programming repertoire. They



write structured algorithms and programs that use blocks to introduce an element of modularity into their programming practice.

Prerequisite: CSE1110: Structured Programming 1

### IB Philosophy

MAC's courses use the IB philosophy to encourage the holistic development of all students. The Learner Profile and Approaches to Teaching and Learning are used at all levels so that students develop a better understanding of curriculum objectives. This course will focus on the Learner Profiles COMMUNICATORS and BALANCED. Our Approaches to Learning skill will be SELF-MANAGEMENT and THINKING SKILLS.

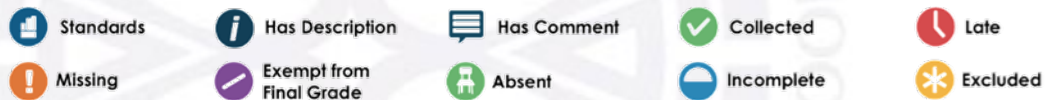
### Assessment

The final grade is based on category weightings as follows:

Projects – 80%

Tests – 20%

The code NHI may be used to represent coursework that has not been handed in. It is representative of a zero. In addition, the following may appear for a student in PowerSchool instead of, or in addition to, a numeric grade:



### Disclaimer

A wide range of assessment information is used in the development of a student's final grade. At Archbishop Macdonald Catholic High School, individualized assessments provide specific information regarding student progress and overall performance in class. Student assessment may vary from student to student to adapt for differences in student needs, learning styles, preferences, and paces. It should also be noted that not all assignments are used to determine the final grade, and that scale factors may have been used to determine the weight of individual assignments.

### Personal Mobile Device Standards

Mobile Devices and Social Media Use:

- Personal mobile devices are to be silenced or turned off and stored in the student's assigned locker during the day, which must be locked.
- No personal mobile devices are to be used during the day except for at lunch.
- No social media is to be accessed during the school day.
- The standards for Personal Mobile Devices includes cell phones, SMART watches, earbuds, and headphones

Non-compliance with the standards will result in consequences of a suspension or loss of privileges such as participation in school trips, or activities, sports teams, and extracurricular activities.

**Expectations**

Unexcused absences and/or lates are unacceptable and may have a negative effect on the grade. Missed coursework may be expected to be completed and may be scored as zero or NHI until submitted (see disclaimer).

**Student Handbook**

[LINK](#)

**Academic Integrity**

[LINK](#)

