



# Westside Secondary School

300 Alder Street, Orangeville Ontario L9W 5A2

519-938-9355

## Course Outline

[www.ugdsb.on.ca/westside](http://www.ugdsb.on.ca/westside)

Course: ICS20

Teacher(s): Mr. D. Pinizzotto

Program Leader: Mr. R. Marchildon

Email: [daniel.pinizzotto@ugdsb.on.ca](mailto:daniel.pinizzotto@ugdsb.on.ca)

**Course Description:** This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.

Prerequisite - None.

**Big Ideas** (overall learning outcomes for the course):

- Develop a good understanding of the different types of postsecondary education and career prospects in computer studies.
- Relate specifications of a program to user requirements and following the software development process the entire time
- Demonstrate the ability to use different data types, including arrays to develop computer programs
- Use control structures (loops and if statements) and simple algorithms to complete processes in a computer program
- Develop efficient ways to complete programs using subprograms in the code
- Correctly follow the proper code maintenance and conventions

**Assessment and Evaluation:** Formative assessments are used to improve student learning by providing varied opportunities to demonstrate an understanding of course expectations in preparation for summative evaluations. Summative evaluations test groups of key expectations. Failure to complete a summative evaluation may result in the expectations of the course not being met and the credit not being granted.

	Term Work (55%)
Unit of Study	Summative Evaluations
Discovering Computational Thinking	Summative Task
Understanding Robotics	Culminating Assignment
Programming for Web Development	Culminating Assignment
Programming 2D Sprite Games	Culminating Assignment
20 - Time Project	Final Product, Timeline, and Reflection
Observations and Conversations	<b>Assessment of Critical Thinking (10%)</b>
	<b>Final Summative (30%)</b>
	Culminating Final Assignment
	Interview/Reflection of Learning

please turn over . . .



# Westside Secondary School

300 Alder Street, Orangeville Ontario L9W 5A2

**Achievement Categories:** Student learning is assessed and evaluated with respect to the following four categories of knowledge and skills.

**Knowledge and Understanding:** 25%  
**Thinking:** 25%  
**Communication:** 25%  
**Application:** 25%

## Course Materials and Replacement Cost

None

## Late Policy

Students are expected to complete all assigned work and submit it by the teacher's established due date. Every attempt will be made to encourage students to complete all assigned work on time so their grade represents their actual achievement. Should a student submit work past the due date, a late mark penalty will be assigned. All summative assessments must be submitted for course credit. Please see Westside's Assessment and Evaluation Policy for more details.

## Student Expectations

Every student enrolled in mathematics at Westside is expected to:

- be on time to class
- be prepared for class each and every day. This means you bring a writing utensil, calculator and paper with you to class
- actively participate in class discussions
- complete homework assigned
- learn to problem solve using the techniques you will learn in class

## Final Assessments/Examinations

Culminating activities for each unit must be completed by the student in order to achieve the credit. Failure to complete any one of them may result in loss of credit.

**There are no extensions or exemptions for final assessments without the approval from an administrator.**

The following soft skills will be assessed:

Responsibility, Organization, Independent Work, Collaboration, Initiative, Self-Regulation

---

I have read and understand the course outline: (front and back)

Student Name (please print): \_\_\_\_\_

Signature: \_\_\_\_\_

Parent/Guardian Name (please print): \_\_\_\_\_

Signature: \_\_\_\_\_

Parent/Guardian email (please print):

\_\_\_\_\_