



# Cawthra Park Secondary School

## Statement of Expectation for Students and Parents

**Department:** Computer Science (Math)  
**Course:** Introduction to Computer Science (11 University)  
**Prerequisite:** None

**Department Head:** Mrs. L. Fernandes  
**Course Code:** ICS 3U0  
**Credit Value:** 1

### Course Description

This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and post-secondary opportunities in computer-related fields.

### Overall Expectations

By the end of this course, students will:

- demonstrate the ability to use different data types, including one-dimensional arrays, in computer programs;
- demonstrate the ability to use control structures and simple algorithms in computer programs;
- demonstrate the ability to use subprograms within computer programs;
- use proper code maintenance techniques and conventions when creating computer programs;
- use a variety of problem-solving strategies to solve different types of problems independently and as a team;
- design software solutions to meet a variety of challenges;
- demonstrate an understanding of the software development process;
- apply a software development life-cycle model to a software development project;
- relate the specifications of computer components to user requirements;
- use appropriate file maintenance practices to organize and safeguard data;
- describe policies on computer use that promote environmental stewardship and sustainability;
- demonstrate an understanding of emerging areas of research in computer science;
- describe post-secondary education and career prospects related to computer studies.

### Course Strands

- Programming concepts and skills
- Software development
- Computer environments and systems
- Topics in computer science

### Assessment and Evaluation

Assessment and evaluation in this course will be based on the expectations set out in the provincial curriculum documents. Students will be provided with numerous and varied opportunities to demonstrate the full extent of their achievement. A final grade in the course will be determined as follows:

- Term Evaluation = 70%
- Final Evaluation = 30% (10% In-Class Activity, 20% Final Exam)

Each assessment will be evaluated in *at least* one of the following specific categories and will be weighted in the final grade as noted:

- Knowledge / Understanding = 20%
- Application / Making Connections = 25%
- Thinking / Inquiry = 15%
- Communication = 10%

## Learning Skills Expectations

Learning skills will not be included in the numeric grade for the course *unless* they are part of the provincial curriculum expectations for the course. However, development of these skills is critical to academic achievement. Therefore, they will be assessed throughout the course and will be rated separately on the provincial report card. The learning skills that are assessed are:

- Responsibility
- Independent Work
- Collaboration
- Organizational Skills
- Initiative
- Self-Regulation

## Department and School Policies

Students are expected to familiarize themselves with the more detailed and pertinent information found in the Cawthra Park Student Agenda.

**Attendance:** Process is an integral part of courses at Cawthra Park. Skills are taught, practiced and assessed daily in the classroom. For this reason, daily attendance is crucial for success.

**Deadlines:** Students at Cawthra Park often have numerous and varied commitments tied to the school and its programs. Therefore, students are encouraged to negotiate due dates and deadlines when the need arises. However, negotiations between teachers and students must occur well in advance of the deadline for submission or completion of assignments. In some cases, a window of opportunity or flexible timeline for the submission or completion of work may exist. The nature of some assignments or tasks may necessitate absolute, non-negotiable deadlines for which there can be NO extension.

**Missed Evaluations:** Absence from scheduled assessments, such as tests or performance tasks, for unauthorized reasons is regarded as a serious matter. A mark of zero will be assigned if there is not a legitimate reason for the student being absent. Students will have the opportunity to complete assessments or tasks missed for legitimate reasons or extenuating circumstances, such as in-school activities, field trips, illness or a death in the family. Students are expected to provide a note or other documentation to verify the reason(s) for their absence. Rescheduling of assessments must be negotiated by the student and the teacher on an individual basis.

**School Equipment:** Students are expected to keep loaned school equipment, such as musical instruments, sports equipment or textbooks, in excellent condition. Students who return school equipment which is damaged or defaced in any manner, beyond normal wear and tear, will be required to compensate the school for the repair or replacement costs of such items. Similarly, the cost of lost items must be borne by the student.

**Academic Honesty:** Pieces of work submitted by a student must have been completed by that student. Plagiarism, including electronic theft, misrepresentation of original work, cheating, theft of evaluation instruments, use of unauthorized aids and/or false representation of identity, the failure to cite fully any source that has been used as part of a process or product will not be tolerated and will result in appropriate penalties which may include:

- the loss of integrity for the student(s) concerned, the loss of that student's good reputation, the loss of trust that others may be willing to place in that student;
- an investigation of mitigating factors related to the incident;
- a mark of zero;
- a notation in the student's record;
- notifications to parents/guardians;
- students will need to invest time and effort to re-establish their credibility in a respectful, responsible and honest way
- submitting an additional assignment to demonstrate student understanding of curriculum expectations.
- please see student agenda for additional forms of plagiarism and consequences.

## Student and Parent / Guardian Signature

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|-----------------------------------------|-------------|
| Student's signature: _____              | Date: _____ |
| Parent's or Guardian's signature: _____ | Date: _____ |