St. Charles College

Evaluation Policy
Grade 12 Computer Science
ICS4U

Prerequisite: Gr 11 Computer Science ICS3U

Credit Value: 1 credit

Textbook: None

Course Description:

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field.

Units of Study

Course Expectations:

A. Programming Concepts And Skills
B. Software Development
C. Designing Modular programs
D. Topics in Computer Science

By the end of this course you will:

Demonstrate the ability to use different data types and expressions when creating computer programs;
Describe and use modular programming concepts and principles in the creation of computer programs;
Design and write algorithms and sub-programs to solve a variety of problems;
Use proper code maintenance techniques when creating computer programs.

The ability to manage the software development process effectively, through all of its stages – planning, development, production, and closing;
Apply standard project management techniques in the context of a student-managed team project.

Demonstrate the ability to apply modular design concepts in computer programs;
Analyse algorithms for their effectiveness in solving a problem.

Assess strategies and initiatives that promote environmental stewardship with respect to the use of computers and related technologies;
Analyse ethical issues and propose strategies to encourage ethical practices related to the use of computers;
Analyse the impact of emerging computer technologies on society and the economy;
Research and report on different areas of research in computer science, and careers related to computer science.

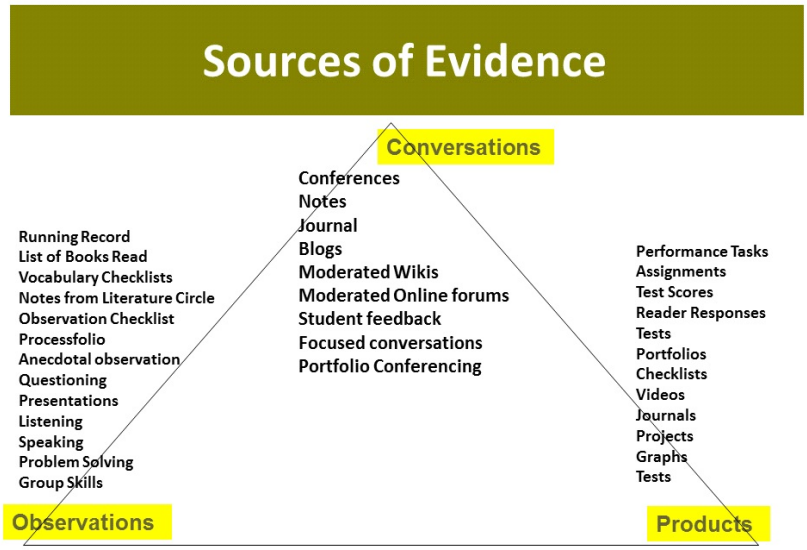
Throughout this course we will also be developing the following **Catholic Graduate Expectations**.

:presents information and ideas clearly and honestly and with sensitivity to others.
:creates, adapts, evaluates new ideas in light of the common good.
:demonstrates flexibility and adaptability.
:works effectively as an interdependent team member.
:accepts accountability for one's own actions.

Calculations of Marks

Evaluation:	Term	70%
	Summative Assessment/Exam	30%

The term mark worth 70% will be assessed by the following "Evidence of Learned Concepts" :



Classroom Procedures:

Attendance
Regular attendance on the part of students is vital to the learning process. Students are encouraged to attend class every day. When the process and content of learning are disrupted by irregular attendance, this usually reflected in the student's achievement level. Attendance is reported on the report card and will be evaluated as a learning skill. If there appears to be an unacceptable number of days absent a "Cautionary Letter" will be sent home with the student.

Late Assignments
Students will hand in all assignments by the established due date. This can be accomplished by using good "time management" skills. Use the student agenda book to record all assigned work. In the case of exceptional circumstance, the student must consult with the teacher before the due date.

Missed Tests
Students who are absent for a test should make up the test on the first day they return.

Homework
Homework will be recorded on the report card as a learning skill. Completing class work to the best of your ability is an integral part of the program. It is essential to get extra help as soon as possible if you encounter difficulties.

Notebooks
Notebooks are an important record of the year's work. It is mandatory that students keep an organized notebook and the following guidelines should be followed.

1. Each lesson must be dated and have a title
2. Handouts must be dated
3. All notes and handouts must be kept in chronological order
4. Tests and Quizzes must be corrected

_____	_____	_____	_____
Student Signature	**Date**	**Parent Signature**	**Date**