Computer Science Final Summative Fall 2022

Course: Computer Science, Grade 11, University Preparation
Course Code:
ICS3U0/R, Section A & B
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.

OVERALL EXPECTATIONS
Strand A: Programming Concepts and Skills
A1. demonstrate the ability to use different data types, including one-dimensional arrays, in computer programs.
A2. demonstrate the ability to use control structures and simple algorithms in computer programs.
A3. demonstrate the ability to use subprograms within computer programs.
A4. use proper code maintenance techniques and conventions when creating computer programs.
Strand B: Software Development
B1. use a variety of problem-solving strategies to solve different types of problems independently and as part of a team.
B2. design software solutions to meet a variety of challenges.
Strand C: Computer Environments and Systems
C3. use a software development environment to write and run computer programs.

EQUIPMENT/MATERIAL/SOFTWARE NEEDS
Our programming platform is Replit Teams for Education.

Assessment

Assessment and evaluation are based on the provincial expectations and levels of achievement outlined in the provincial curriculum document for each subject in secondary school

Communication	Knowledge/ Understanding	Thinking	Application
25%	**25 %**	**25 %**	**25 %**

Final Mark = 70% Term + 30% Final Evaluation

***Description: Personal Portfolio/ website /*presentation (slides)**

Students use their knowledge of HTML, CSS, and JavaScript to create to produce a digital artifact- their very own website that will highlight their skills. This website will start off as their own personal homepage, students are required to add links that will highlight other tasks completed throughout the course. Use the information below as a guide.
The website should:

1. Use effective colours and font, to design the website
2. Table of Contents with tabs to indicate sections of the website- divided for clarity and organization.
3. Includes a title page -with name, course code, and date.
4. Introduction- summarize your experience in the course.
5. Reflect on what they have learned so far in this course.
6. Coding- Announcement Program
    i. Login HTML page code
    ii. Teacher Creator HTML code
    iii. Teacher JavaScript code
    iv. Student Announcements Search Page HTML code
    v. Student Options JavaScript code
    vi. Student Viewer HTML code
    vii. Student Viewer JavaScript code
    viii. Display at least 1 announcement

7. Overall, your digital artifact should provide consideration of a reasonable breadth of experiences in the course. As well as show deep and thoughtful consideration your experience and how it demonstrates your abilities in the course.