



Exploring Computer Science

Course Overview

This course is an intro to topics like hardware and software, networks, Office applications, programming, Photoshop, Web Design & Development. The goal of Intro to Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming. Students, at the end of this course, will be proficient with a broad array of computer application software and with the use of common hardware.

At the end of the course students will be able to:

- *Understand and define the major concepts, terminology, and applications of computer information systems and the Internet*
- *Identify and define main computer and network hardware components*
- *Save and organize files in folders and folder structures*
- *Use office application such as Microsoft Word, Excel, Power Point, Publisher and Access to create and edit documents used in the workplace*
- *Plan, write and edit a resume, cover letter and thank you letter. Search for a job and fill out a job application.*
- *Create and edit basic web pages using HTML and CSS*
- *Create and edit images using Adobe Photoshop and Illustrator*
- *Create a computer program using the Scratch programming language.*
- *Create a basic movie using Microsoft Movie Maker.*

Schedule

Unit One: Intro to computers / Human Computer Interaction.

Unit Two: Web Design & Development

Unit Three: Intro to Photoshop and Illustrator

Unit Four: Intro to Programming

Unit Five: Computing and Data Analysis

Make-up Requirements

Students who find it necessary to be absent are expected to make-up their missed assignments within **2 weeks** of the students return. Work can **ONLY** be made up if the absence is **EXCUSED**.

Participation

As with any career, your employer will have expectations for your performance. The following personal management skills will help you in this class and in the real world working environment.

1. **Self Management** – I come to class prepared and on time, follow directions the first time they are given, use appropriate language, and check for the work I've missed.
2. **Persistence** – I am on task, proof-read my work, have a positive mind-set, and use my resources (textbook, websites, help folder, posters, & classmates).
3. **Contribution** – I participate in this class, respect my classmates and teacher, and help other classmates learn.

Grade Scale

This is an approximate breakdown of how grades will be calculated.

Daily Assignments	20%
Journal	10%
Projects.....	50%
Class Participation.....	20%

Contact Information

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