



INFORMATION TECHNOLOGY 11

Tentative Course Outline – 2013

1. **Computer Hardware/Software**
 - a. Microcomputer history
 - i. Triumph of the Nerds Series
2. **Programming - Visual Basic 2008**
 - a. object oriented programming (OOP)
 - b. using objects (properties events and methods)
 - c. variables
 - d. decision structures
 - e. looping structures
 - f. sub procedures
3. **3D Graphics – Blender**
 - a. Creating objects using Primitives
 - i. Manipulating Vertices, Edges, Faces
 - b. Materials, Colors, Lighting
 - c. Animating
 - d. Texturing
 - e. Modeling using Mirror Technique
4. **Web Design**
 - a. Advanced CSS (Cascading Style Sheets)
 - b. Workflow – Fireworks to Dreamweaver
 - c. Dreamweaver CS6
 - d. HTML 5
 - e. Commercial Website Production
 - f. Mobile Website Production
5. **Other**
 - a. Android app production

Objectives

Information Technology is designed for students to explore a number of technology tools in order to develop the technological literacy they will need to be successful in the ever changing 'information age.' The course objectives are laid out by the Ministry of Education in the Integrated Resource Package, Information and Communications Technology 11 and 12.

It is expected that students achieve the following objectives in Information Technology:



- Gain a general understanding of computer systems.
- Learn how computer systems are arranged and peripheral equipment is connected.
- Work safely with the equipment and complete work to a high standard of quality.
- Use technology tools to increase productivity and enhance communication.
- Learn and apply computer-programming skills.
- Demonstrate a mastery of integration and the use of information technology tools.
- Develop language and visual communication skills.
- Develop learning patterns that fit technological change.



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Responsibilities and Expectations

General Computer Lab Policies

Students are expected to conduct themselves in a manner appropriate to a computer lab. Lab access outside of class time is not automatically given and is only at the discretion of the instructor (however I am almost always in the lab at lunch Monday – Thursday). Failure to follow the general guidelines and those laid out in the Kelly Road Appropriate Use Policy **will** result in the loss of computer privileges.



- **No** food or drink is to be brought into the computer lab.
- Theft or damage to equipment, classroom or other students' work/property will result in expulsion from class (do not hit, mark, or otherwise damage the computer case, screen, keyboard, mouse, desk, walls, boards etc...).
- Do not modify the operation of the computer or other resources on the network without direct teacher permission.
- The use of the computers/internet is to be restricted to course related materials only.
- There are to be **No** computer games (online or otherwise) or outside programs used in the classroom. All programs are to be loaded onto the hard drive by or with instructor.
- No MP3 players/iPods/headphones/ cell phones etc... are to be used in the classroom without teacher permission.
- Appropriate Language/Conversation – should be suitable for a classroom situation
- No talking during demonstrations or lessons. Quiet talking in the room is allowed at other times. Absolutely no talking during tests and quizzes.
- All students are responsible for cleaning the room each period – keep your work area clean.
- Students are not to leave the lab without permission.
- Remain seated until instructor dismisses students.
- You are expected to attend all classes. A note or phone call is required if you are absent.
- **You are responsible for all work that is assigned.**
- **It is your responsibility to stay caught up if you miss school. Check the Moodle each day for what you have missed and lesson materials to download.** Access the Moodle at <http://krss.sd57.bc.ca/moodle/>

Arrive in class and be seated on time. If you are late please wait outside the class (even if the door is open), knock only once. Students will be evaluated on class participation, cooperation, preparation and punctuality (part of your Work Habits).

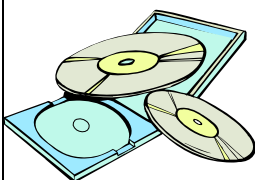
Assessment:

In this class we will use learning goals to guide our learning. Class work will be assessed and evaluated based on the learning goal it relates to. Frequent progress reports will be given out in order to help everyone become familiar with this assessment practice. These reports will also be emailed out.



Course Materials

Students are expected to arrive in class with a pen/pencil and notebook/binder for every class along with any related material or data for current assignments. Once class has begun students will not be allowed to return to their lockers to retrieve forgotten items. Failing to have required materials will result in lost lab time and may affect student's evaluation.



As some of the projects have large file sizes, students may wish to have a flash memory stick for storage and transport purposes.

All student files can be accessed from home using the schools website and Web-Disk system.

Work Habits

Work habits will be based on the following criteria:

'E' – Excellent

- always submits assignments and completes homework according to designated formats
- always prepared for class
- always punctual
- completes work missed due to excused absence
- uses class time productively
- attentive in class
- respects teacher
- respects classmates
- respects equipment
- asks questions when necessary
- written assignments are neat and show good organization
- maintains a positive attitude
- may be a positive classroom leader

'G' – Good

- always submits assignments and completes homework according to designated formats
- always prepared for class
- always punctual
- completes work missed due to excused absence
- uses class time productively
- attentive in class
- respects teacher
- respects classmates
- respects equipment
- asks questions when necessary
- written assignments are neat and show good organization

'S' – Satisfactory

- attempts all assignments and homework according to designated formats
- is always prepared for class
- is always punctual
- completes work missed due to excused absence
- makes satisfactory use of class time
- respects teacher
- respects classmates
- respects equipment
- asks questions
- is not disruptive in class

'NI' – Needs Improvement

- has missing or incomplete assignments or homework
- may be infrequently unpunctual
- has "skipped" class
- has poor attendance
- may be infrequently unprepared for class
- does not complete work due to excused absence
- may use class time unproductively
- may be uncooperative with teacher
- may be uncooperative with classmates
- may be inattentive
- may be disruptive in class
- may not take responsibility with his/her learning
- may have negative impact on learning environment
- may not follow instructions
- may not respect equipment

Final Words of Wisdom



If you don't know how to work a piece of equipment ask.
Work to your ability each class and make effective use of class time.
If anything in this preview is unclear to you seek clarification.