

Course Description/Rationale/Overview: This course helps students use programming and software engineering principles to design and develop algorithms and programs. Students will use software development and diagnostic tools, implement data structures and algorithms, and use file management techniques in project settings. They will also develop and understanding of the ethics of computer use and the impact of information technology on the community, and will explore postsecondary education and career paths in computer science.

Class Requirements:
Materials/textbooks/equipment

Portable Flash Drive

Missed Tests and Late Assignments

Students are to be present for test dates. There must be a verified, valid reason when a test is missed. The teacher may provide an alternative opportunity for testing or record an “absent” for that test.

All summative assignments will have a clear *Due Date*. Assignments that are handed after the *Due Date* will be accepted and assessed by the teacher if submitted prior to the *Deadline*. The *Deadline* is defined as the class period in which that graded assignment is returned to the class, unless there are extenuating circumstances.

For the mid-term report, no mark will be recorded for a missed summative assignment.

Where a student has not submitted enough work for the teacher to determine the student’s level of achievement the report card will indicate that the student’s work is incomplete and no grade will be assigned.

At the semester end, where summative assessments are incomplete, a mark of zero may be assigned and used to calculate the student’s final grade.

Assessment Strategies

Assessment of your achievement is divided into the following categories:

- Practical Assignments 40%
- Written Assignments 20%
- Culminating Task 10%
- Exam

Achievement Categories

Knowledge/Understanding
Thinking/Inquiry
Communication
Application
Exam

Curriculum strands:

Theory and Foundation
Skills and Processes
Impact and Consequence

Learning Skills:

Team work
Initiative
Organization
Homework

Evaluation The year’s work will be based on:

- Quizzes
- Assignments
- Culminating Task
- Exam

Technology Education involves knowing, doing, testing, designing, building and evaluating. Students will use projects as a major means of achieving these expectations. Health and Safety and understanding the expectations of the workplace are of great importance in Technology courses. Students must attend regularly in order to demonstrate achievement of the application and communication expectations.

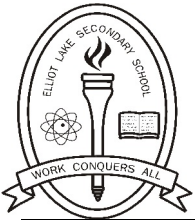
FINAL MARK

Year’s Work: 70%

Application Assignments....40%
Knowledge Understanding Assignments....30%
Communication Assignments...15%
Thinking Inquiry Assignments....15%

Final Summative Evaluation: 30%

The Final Summative Evaluation will be a combination of the Achievement Categories



COURSE OUTLINE



Unit 1		
Unit 2		
Unit 3		
Unit 4		
Unit 5		
Unit 6		
<p>Summative Evaluation</p> <p>Types of evaluation used to determine final 30 % of mark: exam, presentations, scrapbooks, etc..</p>		<p>Percent that each task represents out of 30% for final summative evaluation</p>