



Course Description/Rationale/Overview: This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analyzing large amounts of information.; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.

Class Requirements:

Materials/textbooks/equipment

Texts:

1 Mathematics of Data Management (Nelson)

2 Finite Mathematics (McGraw-Hill)

Recommended: A calculator, binder, paper and pencil .

Course Requirements/Department Policies

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 in 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

Formative

- in class questions and answers, discussions, debates, quizzes and assignments

Summative

- quizzes, tests, assignments/projects/presentations, and exam

Achievement Categories

Knowledge/Understanding	40%
Thinking/Inquiry	15%
Communication	15%
Application	30%

Curriculum strands:

- Counting and Probability
- Probability Distributions
- Organization of Data for Analysis
- Statistical Analysis

Learning Skills:

- Works Independently
- Team work
- Organization
- Work Habits
- Initiative

Evaluation

The year's work will be based on the following assessment tools that will include one or more of the four Achievement Categories striving to meet the overall percentages established for each category:

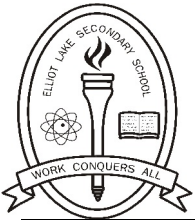
- exam
- quizzes
- tests
- assignments
- projects
- presentations

FINAL MARK

Term Work: 70%

Final Summative Evaluation: 30%

Exam



COURSE OUTLINE

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Unit 1	List of strands included in unit	Types of activities and the categories of achievement that they evaluate	Percent that unit represents out of the 70% for the Summative Tasks
Brief description of unit of study			
Unit 2			
Unit 3			
Unit 4			
Unit 5			
Unit 6			
Summative Evaluation			Percent that each task represents out of 30% for final summative evaluation
Types of evaluation used to determine final 30 % of mark: exam, presentations, scrapbooks, etc..			