## CENTENNIAL REGIONAL HIGH SCHOOL

## COURSE OUTLINE

Subject:Mathematics; Cultural, Social and Technical Option
Level: Secondary 5

## Course Content:

- Arithmetic and Algebra
- Systems of first-degree inequalities in two variables
- Analyzing and optimizing a situation and making decisions, using linear programming
- Concepts and processes linked to the manipulation of exponential and logarithmic functions. The study of one being the universe of the other but especially in a financial context.
- Statistics and Probability
- Conditional probability
- Analyzing probability data and making decisions related to the data
- Making decisions concerning social choices
- Geometry and Graphs
- Equivalent figures
- Cosine Law
- Graphing
- Analyzing and optimizing situations involving the concept of a graph and making decisions related to these situations.


## Evaluation Methods

Under the Quebec Education Program (QEP), students will be evaluated according to two Mathematical competencies. (see chart)

| C1: Solves a Situational Problem |
| :--- | :--- |
| $30 \%$ |$\quad$| C2: Uses Mathematical Reasoning |
| :---: |
| $70 \%$ |

*Please note that every student is responsible for ALL classes missed and is required to communicate with their teacher ASAP for any work, information, and notes.

## **Please refer to the Faculty \& Staff Directory at http://www.crhs.rsb.qc.ca/ for your teacher's email/website address

