

CENTENNIAL REGIONAL HIGH SCHOOL

COURSE OUTLINE

Subject: Mathematics **Level:** Secondary 3

Course Content:

• Arithmetic and Algebra

- Real numbers: rational and irrational
- Inequality relations
- Relations, functions, and inverse
- Manipulating numerical and algebraic expressions
- Analyzing algebraic situations

Statistics and Probability

- Discrete random variable and continuous random variable
- Interpreting probability data and making decisions related to the data
- One-variable distribution
- Analyzing situations involving a onevariable distribution, using appropriate tools, and making decisions related to these situations

Geometry

- Solids
- Analyzing situations involving the properties of figures and solids

Evaluation Methods

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

EVALUATING WITH COMPETENCIES

C1: Solves a Situational Problem	C2: Uses Mathematical Reasoning
30%	70%
	 70% A reasoning problem Requires organization & application of mathematical concepts & processes in a clearly defined context Could be one of three different subtypes: Application: Choose & apply the appropriate mathematical concepts Validation: Justify a statement, check a result/procedure, take a position, provide a critical assessment, or convince using mathematical arguments Conjecture: Uses inductive, analogical, and deductive reasoning to make a proposition or a conjecture The student will Make conjectures Construct & use networks of mathematical concepts & processes Construct proofs Evaluation Criteria CR3 Proper implementation of mathematical reasoning suited to the situation CR2 Correct application of concepts and processes suited to the situation CR4 Proper organization of the steps in a proof suited to the situation CR5 Correct justification of the steps in a proof suite to the situation
	CR1 Formulation of a conjecture appropriate to the situation

Revised: July 2022

^{*}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