

Teacher Name: Karine Desjardins
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Subject: Math 563-504
Grade Level: Secondary 5

Course Description:

Students will be working on the main themes of the mathematics curriculum: algebra, geometry, statistics and probability

Course Content:

Term 1: August 30 th – November 4 th		20 % of year
Content	Timeline (Dates)	Evaluation Methods
Algebra <ul style="list-style-type: none"> Systems of first degree equations in 2 variables Translating statements into inequalities Manipulating inequalities Graphing inequalities Using polygons of constraints to optimize a function 	September October	Competency 1: Not evaluated in term 1 Competency 2: Uses mathematical reasoning (70%) <ul style="list-style-type: none"> Homework (10%) Assignments (30%) Tests (60%)
Term 2: November 4 th – February 23 rd		20 % of year
Content	Timeline (Dates)	Evaluation Methods
Geometry <ul style="list-style-type: none"> Equivalent figures (includes area of plane figures) Equivalent solids (includes volume of solids) Comparing equivalent figures & equivalent solids Law of cosines Graphs, Hamiltonian & Euler paths Directed & weighted paths Critical paths 	November December January	Competency 1: Solves a situational problem (30%) <ul style="list-style-type: none"> 2 -3 situational problems Competency 2: Uses mathematical reasoning (70%) <ul style="list-style-type: none"> Homework (10%) Assignments (30%) Tests (60%)

Term 3: February 24 th – June 22 nd		60 % of year
Content	Timeline (Dates)	Evaluation Methods
Finances <ul style="list-style-type: none"> Manipulating numerical expressions involving powers and logarithms Finances: interest rate, interest period, capitalization, and discounting 	February	Competency 1: Solves a situational problem (30%) <ul style="list-style-type: none"> 2 -3 situational problems Competency 2: Uses mathematical reasoning (70%) <ul style="list-style-type: none"> Homework (10%) Assignments (30%) Tests (60%)
	March	
Probability <ul style="list-style-type: none"> Probability and odds of outcomes Conditional probability Mathematical expectation, fairness Venn diagrams Voting procedures 	April	
	May	
Final Review	June	
RESOURCES USED:	<i>Visions Textbook Cultural, Social and Technical V</i>	
Final Exam	<i>WQSB final exam worth 20% of the year</i>	

Course content & timelines may be adjusted as the year progresses to meet the needs of the students

Communication:

Students will be provided with a minimum of 4 communications throughout the school year.

- October 15th – Progress report
- November 20th – 1st term report card
- March 15th – 2nd term report card
- July 10th – Final report card

General Information

- Homework:** You will be expected to complete homework on a regular basis. Homework will not be corrected, it will be marked for *completion* only. Although homework is not heavily weighted, it is crucial to your success as it provides you with the opportunity to practice what has been taught in class.
- Tests:** There will be 1 test per cycle which corresponds to approximately 1 test every two weeks. You will be allowed to prepare a memory aid for each test on an 8.5 by 11 sheet

of paper. It is recommended that you carefully keep each memory aid throughout the year to help you with your final review.

- **Absences:** You are responsible for getting the notes that you miss from a classmate and completing the required homework.
- **Behaviour:** You are expected to be on time for class with all necessary materials. You need to play an active role in your own learning by paying attention to each lesson and asking questions when you need clarifications.
- **Resource:** Extra help is available during lunch from 12:00 – 12:45. |