Financial Mathematics
General Outcome: Develop number sense in
financial applications.
Specific Outcomes
It is expected that students will:
12A.FM.1. Solve problems that involve
compound interest in financial
decision making.
[C, CN, PS, T, V]
12A.FM.2. Analyze costs and benefits of
renting, leasing and buying.
[CN, PS, R, T]
12A.FM.3. Analyze an investment portfolio
in terms of:
interest rate
• rate of return
• total return.

[ME, PS, R, T]

Logical Reasoning
General Outcome: Develop logical reasoning.
Specific Outcomes
It is expected that students will:
12A.L.1. Analyze puzzles and games that involve numerical and logical reasoning, using problem-solving strategies.
[CN, ME, PS, R, T]
12A.L.2. Solve problems that involve the application of set theory.[CN, PS, R, T, V]
12A.L.3. Solve problems that involve conditional statements.[C, CN, PS, R, T]

Mathematics Research Project				
General Outcome: Develop an appreciation of the role of mathematics in society.				
Specific Outcomes It is expected that students will:				
12A.RP.1. Research and give a presentation on a current event or an area of interest that involves mathematics.				

[C, CN, ME, PS, R, T, V]

	Relations and Functions
General C	Dutcome: Develop algebraic and
graphical	reasoning through the study of
relations.	
	Specific Outcomes
It is expecte	ed that students will:
12A.R.1.	Represent data, using polynomial
	functions (of degree ≤ 3), to solve
	problems.
[C, CN, P	PS, T, V]
12A.R.2.	Represent data, using exponential
	and logarithmic functions, to solve
	problems.
[C, CN, P	PS, T, V]
12A.R.3.	Represent data, using sinusoidal
	functions, to solve problems.
[C, CN, P	PS, T, V]



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Probability				
General Outcome: Develop critical thinking				
skills related to uncertainty.				
Specific Outcomes				
It is expected that students will:				
12A.P.1. Interpret and assess the validity of odds and probability statements				
[C, CN, ME, T]				
12A.P.2. Solve problems that involve the				
probability of mutually exclusive				
and non-mutually exclusive events.				
[CN, PS, R, T, V]				
12A.P.3. Solve problems that involve the				
probability of independent and				
dependent events.				
[CN, PS, R, T]				
12A.P.4. Solve problems that involve the				
fundamental counting principle.				
[PS, R, T, V]				
12 A D 5 Solve mechanic that involve				

12A.P.5. Solve problems that involve permutations.
[ME, PS, R, T, V]
12A.P.6. Solve problems that involve combinations.
[ME, PS, R, T, V]

Processes:

C – Communication PS – Problem Solving V – Visualization CN – Connections

R – Reasoning

ME – Mental Mathematics and Estimation T – Technology

http://www.edu.gov.mb.ca/k12/cur/math/outcomes/index.html