COURSE OUTLINE – 2022/23 (Semester 1)

Course Name: Foundations of College Mathematics
Course Type: Grade 11 College
Course Code: MBF3C
Teacher: J. Wright (jameswright@pvnccdsb.on.ca)
Google Classroom Code: 5tnx4qf
Textbook: Foundations for College Mathematics 11 (McGraw-Hill Ryerson / Pearson Math 11)
Ministry Document: The Ontario Curriculum, Grades 11 and 12: Mathematics, 2007 (Revised)
Prerequisite: Foundations of Mathematics, Grade 10 Applied

Course Description: This course enables students to broaden their understanding of mathematics as a problem solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analyzing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Unit Overview	
Topic	**Approximate Number of Periods**
Unit 1: Trigonometry	15
Unit 2: Quadratic Functions	20
Unit 3: Exponential Functions	15
Unit 4: Money Management	15
Unit 5: One Variable Data	10
Unit 6: Probability	10

Assessment and Evaluation Categories and Weights:

Term Evaluation*   70%
Culminating Activity   10%
Final Exam   20%

*_Term evaluation will be based on_ a variety of sources including observations, conversations and student products (tests/exams, assignments, etc).

Missed Evaluations

- ➤ If a student knows that they will be absent for an evaluation (due to appointment or student activity), arrangements **must be made with the teacher**, **before the absence**, regarding the completion of the evaluation
- ➤ If a student is legitimately, (unknowingly) absent for an evaluation, **an email (jameswright@pvnccdsb.on.ca)** should be sent by a parent or guardian regarding the reason for your absence.
- ➤ A student will be responsible for writing a missed evaluation (or a version of the evaluation that differs from that of other students) **on the day they return to class** unless otherwise specified by the teachers
- ➤ A student who demonstrates a pattern of missing tests may **be required to produce a doctor's note** indicating a legitimate reason for the missed evaluation
- ➤ Students who miss an evaluation without a legitimate reason will receive **a mark of zero** for this product

Late and Missed Assignments

- ➤ Students are responsible for providing evidence of their learning within established timelines, and there are consequences for cheating, plagiarizing, not completing work, and submitting work late
- ➤ Students requesting extensions, due to extenuating circumstances must do so at least 3 school days before the due date or on the date the assignment was issued <u>and</u> provide evidence of work completed thus far.
- ➤ If a student does not hand in an assignment on the indicated due date, the assignment may receive a mark of zero
- ➤ If there are mitigating circumstances around work not being turned in (death in the family, accident, illness, etc.), the teacher has the discretion to accept the work.

Classroom Expectations

The student is expected to:
- ● arrive to class wearing school dress code
- ● arrive to class on time with all necessary math equipment (notebook, calculator, pencil etc.)
- ● complete tasks in a responsible manner to allow for a classroom environment that is conducive to learning
- ● cooperate with others when working in groups and participate in all class activities
- ● **classroom approved technology only!** Electronic devices must be used appropriately

Homework:
- ● parents/guardians are urged to monitor the student's efforts at home
- ● students should expect homework daily, increasing accordingly prior to tests
- ● a significant amount of practice/review should be done on an individual's own time to ensure success in the course
- ● homework assignments may be checked and collected **frequently**
- ● complete homework means that a written attempt to solve each question was made in their notebook

Attendance:
- ● it is vital that each student is in attendance for **every** class
- ● Mathematics may be learned more efficiently by watching questions being modeled by the teacher, or by conferring with others in a group setting
- ● students with good attendance records (less than 5 absences over the semester) experience greater levels of success
- ● **it is the student's responsibility, regardless of the reason for an absence, to obtain missed handouts, homework, notes or important information**

Extra Help
- ● students are encouraged to seek extra help especially if content difficulty arises
- ● Classes may include time for extra help and homework correction. It is expected that students seeking help outside of class time have demonstrated a commitment to the course material

Notebook Care and Use of Google Classroom

An excellent notebook to study and learn from is an important tool for success. It will also serve as a resource for future math courses. Your notebook should be kept **neat** and **maintained**. Notebooks should be in chronological order, with dates on all lessons, completed homework questions as well as tests and quizzes organized and properly stored in a binder.

Students are highly encouraged to regularly visit Google Classroom to check for missed lessons, review skills while doing homework and ensure their notebooks are kept up to date.

I have read and am aware of the expectations outlined above, as well as policies and procedures as stated online at *www.spcss.ca*

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        Student Signature   Parent/Guardian Signature