Mathematics - Pre-Calculus 30SP
MAT30SP
Course Outline

Instructor: Ms. Lynda Malkoske
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Supplies Needed:

binder	loose-leaf
notebook	scientific calculator (separate from your phone)
graph paper	pencils
highlighter	pencil sharpener/lead
ruler	

Classroom Expectations:

- ✓ If you are away from class, please contact me before 3:30 pm on the day you are away and request a recorded version of the lesson you missed. Watch the lesson and record the notes in your booklet. The assignment is usually given at the end of the lesson. It is expected that you will complete these steps, so you are not behind in the class. If anything is unclear, clarify with another student in the class or with the teacher.
- ✓ Communication will be via Teams in the form of Posts to all the students in the class or as a Chat to 1 or more specific students. Ensure that notifications are enabled on your Team for this class, so you can check for any updates during breaks or at lunch. School email may also be used for communication. If class is cancelled due to weather, students are expected to check the Team for information regarding the expectations for the day.
- ✓ Most graded assignments will be submitted electronically through Teams.
- ✓ Once seated in the classroom, students should open their books to the previous day's assignment, have their booklet ready and their textbook turned to the assignment page from the day before.
- ✓ Daily practice problems will be checked by the student on their own time using the answer keys provided. Students should ask for clarification on questions they did not understand or completed incorrectly.
- ✓ Only 1 student is permitted to leave the classroom at a time with the TEACHER'S PERMISSION and must use the sign out form by the door when leaving and again upon their return.
- ✓ Students will be dismissed by the teacher, not the school's bell system. Students are required to remain seated prior to dismissal.

Digital Citizenship:

General Guidelines
SVSD AP 203 Digital Citizenship and SVSD AP 230 Cell Phone Use
"Senior Years & Post-Secondary - SVSD devices are to be used in the classroom for learning. Students are banned from using personal devices during class time unless directed by the teacher for an educational activity. Swan Valley School Division is committed to equitable access to all learning activities by students, so Divisional I.C.T. devices will always be the first option provided to students."

"The Swan Valley School Division is committed to providing an engaging and safe learning environment where the potentially harmful impacts of online platforms and cell phone use is minimized. To support this positive environment, the following personal device or cell phone guidelines will be in place."

"**Grade 9 to 12 students**: banned from cell phone use during class time on campus and off campus but are permitted to responsible use of cell phones during break times and lunch."

"Students with medical or diverse learning needs may qualify for exceptions to the Administrative Procedure, however a Student Specific Plan will need to be created to accompany such an exception." If this applies to you and you have not completed this plan, please see me, so we can make arrangements for it to be done.

"Teachers may direct Grade 9 to 12 students…to use cell phones for educational purposes."

"The SVSD is not responsible for loss/theft/damages incurred to personal ICT devices including physical or data damage."

The term "cell phone" includes tablets, e-readers, smart phones, MP3 players, smart watches, electronic toys or any other personal technology devices.

Classroom Implementation
 - At times, technology will be used in the classroom to enhance learning. Stream books will be provided for this purpose.
 - Use of technology devices, when allowed, must be in the full view of the teacher.
 - Phones/personal devices will be stored in a common location determined by the teacher.
 - Earbuds must be removed during class time.
 - Personal devices are to be left in the classroom when a student leaves the room during class time.
 - Parents/Guardians should be aware that their child will not be able to respond to messages/calls received during class time.
 - Any audio recording, video recording or still photography within the learning environment is only permitted with the TEACHER'S PERMISSION.
 - IF ANY STAFF MEMBER REQUESTS YOU TO RELINQUISH YOUR DEVICE, YOU ARE REQUIRED TO DO SO ACCORDING TO THE SVRSS SCHOOL CODE OF CONDUCT.

Assessment:
Summative Assessment: 10% Rich Performance Tasks (assignments, quizzes, etc.)
                        65% Tests
                        25% Exam
**Students will be given the opportunity to re-do one (1) summative assessment over the course of the semester. Additional re-do opportunities only exist at the discretion of the instructor. A comprehensive common exam based on the essential outcomes will be used at the end of the course, subject to change. The final exam for this course will take place during the week of June 22-26th. Please plan accordingly.

Missing Tests:
Any student missing an important summative assessment like a test may be required to be assessed with an alternate and possibly more challenging assessment (Rationale: student has created an advantage by having more time to prepare and/or discuss assessment items). Missing an assessment with parental permission, illness, field trip, court appearance, etc. may still warrant an alternate assessment as per the instructor.

Final Examination:
If a student's final exam mark is higher than their term mark, the final exam weighting will be considered at 100%. That is, if a student scores higher on the final exam than their term mark, the final exam score becomes their final course grade. This will NOT be considered in reverse (i.e. the final exam will hold a minimum respective weight as per the course outline).

Learning Behaviours:

Personal Management Skills – Do you complete your homework and assignments on time; do you seek help when you need it

Active Participation in Learning – Do you show interest in the topics by asking questions

Social Responsibility – Do you work and interact well with others; are you welcoming and positive; are you respectful of yourself, others and the environment…includes cell phone use and lateness

These are assessed during formal reporting times and are recorded on the report card.

Interventions:

Focus must be on academic success in this course. Should there be a concern about a lack of learning:

-participation in extra-curricular activities will be suspended

-a plan will be decided upon in order to improve academic success

-extra-curricular participation will resume when improvement has been achieved

-parents will be informed of the plan

Class Expectations/Beliefs:

It is expected that all members of the school community will uphold the underlying beliefs of the School Code which include the following: Learning, Respect, Responsibility and Safety.

Course Description:

Grade 11 Pre-Calculus Mathematics is designed for students who intend to study calculus and related mathematics as part of post-secondary education. The course comprises a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics.

Topics:

Systems of Equations - solve and graph linear-quadratic and quadratic-quadratic systems of equations

Linear and Quadratic Inequalities - solve linear and quadratic inequalities

Quadratic Functions and Quadratic Equations - solve problems involving quadratic functions and equations, including vocabulary and graphing

Trigonometry - solve problems involving sine law, cosine law, and trigonometric ratios for triangles in all 4 quadrants

Sequences & Series - solve problems involving arithmetic and geometric sequences

Rational Expressions and Equations - perform operations on rational expressions

Absolute Value and Reciprocal Functions - graph and solve problems involving rational equations, including reciprocal functions; solve and graph problems which involving absolute value

Radical Expressions and Equations - solve problems involving operations on radicals and radical equations