**Grade 11 Essential Mathematics**

*Ste. Rose School Miss K. Orr Sept. 2025 – Jan. 2026*

*Course Code:* ***3000***

***Credit Value: 1.0***

**Communication**

**e-mail:** [korr@trsd.ca](mailto:korr@trsd.ca)

**Phone:** 204-447-2088 (school)

***Microsoft teams*** *will be used throughout the year as the main communication and organizational medium between the teacher, students and parents.*

***The code for this class is:*** *j9gg403*

**Course Description**

Grade 11 Essential Mathematics learners will develop critical-thinking skills by analyzing puzzles and games involving numerical reasoning. They will develop an understanding of compound interest and of credit options including credit cards and loans, and they will learn to manipulate and apply formulas related to simple interest and finance charges. Learners will develop an understanding of managing money by creating personal budgets and by demonstrating an understanding of financial institution services. They will develop an understanding of spatial relationships by manipulating and applying formulas related to surface area, volume, and capacity using Imperial and international units of measurements. Learners will develop proportional reasoning as they demonstrate an understanding of slope, linear relations, scale, and unit of analysis, and they will learn to manipulate and apply formulas related to slope and rate of change. They will develop spatial sense involving triangles by using trigonometry, as well as model, draw, and describe objects and their views. Learners will develop statistical reasoning by creating and interpreting a variety of graphs.

**Course Content**

***Unit 1:* Analysis of Games & Numbers** *(throughout the semester)*

* *Analyze puzzles & games*

***Unit 2:* Interest & Credit** (2 weeks)

* *Simple Interest*
* *Compound Interest*

***Unit 3:* Managing Money** (2 weeks)

* *Consumer Decisions*

***Unit 4:* Relations & Patterns** (3 weeks)

* *Slope*

***Unit 5:* Geometry** (3 weeks)

* *Surface Area*
* *Volume*

***Unit 6:* Statistics** (3 weeks)

* Calculating Averages

***Unit 7:* Trigonometry** (3 weeks)

* *Primary Trig Ratios*
* *Problem Solving*

***Unit 8:* Design Modelling** (3 weeks)

* *Scale Factor*
* *Unit Conversions*

**Evaluation**

**Course Work 70%**

**Final Exam 30%**

***There will be a cumulative Final Exam during the January exam week worth 30% of your final grade.*** *This will be written as per exam policy in the Ste. Rose School Student Handbook.*

**Required Materials**

* Binder
* Loose Leaf
* Pencils/Pens (both red & blue)
* Textbook (*Math at Work 11)*
* Calculator
* Laptop

**Policies, Procedures & Notices:**

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| **Responsibility**   1. If you are absent, you are responsible for finding out what you have missed. The majority of documents should be available for you on Microsoft Teams, however if paper copies were provided in class, there will be a copy for you in a predetermined location. Please come see me if you have questions regarding what you have missed. *Note: students are expected to follow the Ste. Rose School Attendance Policy.*    1. **Late Policy:** You will be considered late if you arrive after the bell. You will be considered absent if you arrive more than 10 minutes late.    2. **Absent Policy:** Your parents will be receiving an email/phone call/letter if you are absent 5 times this year. They will be receiving another email/phone class/letter if you have absent 10 times. If you are absent more than 10 times, a parent meeting will need to be scheduled in order for you to continue with this class. 2. Come to class **ON TIME & PREPARED** with your **laptop,** binder, notebooks, writing utensils, calculator & any other items you might need. 3. This classroom will be one where everyone is comfortable to ask questions and state their opinions. Therefore, everyone is expected to **treat others with respect.** Inappropriate comments will not be permitted. 4. Go to the washroom prior to class AND ensure your water bottle is filled. |
| **Assessment & Grading**  All of the graded assignments, projects, tests, and discussion will be graded according to the student’s ability to meet the Manitoba curriculum outcomes. Both formative and summative assessment tools will be used. To obtain an overview of the curricular outcomes go to the link below or contact Miss Orr.  <https://www.edu.gov.mb.ca/k12/framework/english/math/grade_11/essential_full.html> |
| **Miss Orr’s Late Assignment Policy**  ***Time management*** and having the ability to***meet due dates*** is an extremely important skill. Assignments are expected to hand in assignments on the due date. Late assignments will only be accepted at the teacher’s discretion. **It is up to the student to communicate with the teacher** if they cannot complete the assignment on the expected due date.   * Upon a student not meeting a due date, communication will occur via email to the student, parents, and principal noting **steps to move forward.** * Work not submitted on time with no plan of action will be **marked as a zero.**   ***Note: All due dates in MY COURSES are at 3:30pm.*** |
| **Cell phones**  As per the Manitoba government and Turtle River School Division’s policy, no cell phones will be allowed **during class time**, unless directed for educational purposes by your teacher. In my class, you will be required to place it in a holder in a designated location during class time. If you are caught with it during class and it is not in the holder, **parents will be contacted** and administration will become involved. |
| **Academic Dishonesty**  The Ste. Rose School Handbook outlines the expectations in regards to academic dishonesty. If at any time you are unsure about an assignment it is the student’s responsibility to ask for clarification, attendance and the use of technology.   * **1st offence:** The student will receive a zero (0) on the assignment. A phone call/email will be sent to the parent/guardian. * **2nd offence:** A letter will also be sent home to the parent/guardian. The parent/guardian must sign the letter and return it to the school. The Student will receive a zero (0) on the assignment. * **3rd offence:** The student will receive a zero (0) on their assignment and they will be referred to the principal for further disciplinary action. A meeting will need to be arranged with the parent/guardian to address the severity of this issue. |
| **Extra Help**  If you require extra help, please come see me directly to set up a time that will work for both of us. Do not hesitate to reach out to me if you have any questions or concerns about the material we are covering. |