

ESSENTIAL MATHEMATICS 40S**Science Room****Teacher:** Mr. Reimer**Semester One****Course Code:** 3000**Contact Information:** mreimer@trsd.ca**Credit Value:** 1 credit**Textbooks:**

- **Math At Work 12** which can be found at:
<https://learningcentre.nelson.com/student/9781259012389/9781259012389.htm>
- **Grade 12 Essential Mathematics (40S)**, A Course For Independent Study – Field Evaluation, Government of Manitoba, 2013.

Welcome to Essential Mathematics 40S! Please read this outline carefully, sign it and hand it back to the teacher.

Required Materials: pencil, eraser, ruler, geometry set, scientific calculator (no phone).

Course Description: Students construct their understanding of mathematics by developing meaning based on a variety of learning experiences. This meaning is best developed when learners encounter mathematical experiences that proceed from simple to complex and from the concrete to the abstract. *Essential Mathematics 40S* demonstrates how to use mathematics in everyday life. The skills that are taught are those that informed citizens need.

Goals for Students:

- Solve problems
- Make connections between mathematics and its applications
- Appreciate and value mathematics
- Communicate and reason mathematically
- Become mathematically literate
- Make informed decisions as contributors to society

To help you obtain the skills and accomplish these goals mentioned, this course has been broken down into the following eight units (proposed timeline included):

<ul style="list-style-type: none"> • Unit 1: Home Finance (Sept.) • Unit 2: Geometry and Trigonometry (Sept. - Oct.) • Unit 3: Business Finance (Oct.) • Unit 4: Probability (Oct. – Nov.) 	<ul style="list-style-type: none"> • Unit 5: Vehicle Finance (Nov.) • Unit 6: Career Life (Nov. - Dec.) • Unit 7: Statistics (Dec.) • Unit 8: Precision Measurement (Jan.)
--	--

Students may be asked to bring materials from home for projects and activities.

Mark Breakdown:

Course Work	80%
Final Assessment	20%

Class Attendance: It is important for students to attend this class on a regular basis as class discussions may appear on assessment pieces. Should a student have to miss class, he/she has the responsibility to find out from a classmate what was discussed in class and get himself/herself

caught up with notes/questions/tests or quizzes. Students who miss class will be able to find the day's lesson/assignment on Microsoft Teams.

Marked Assessments: Each unit of study will have formative assessments and at least one summative assessment. The formative assessments will help students demonstrate their knowledge and understanding on the variety of topics/outcomes taught in each unit. It is expected that assessments be completed by the assigned due date. Students who miss the summative assessment at the end of the unit will complete it on the day they return to school.

Incomplete and Late Work: Students are expected to complete their work on time and to the best of their ability. Late or incomplete assignments will be given a mark of zero. When the student has completed the assignment, the mark of zero will be changed. At the teacher's discretion, for every day an assignment is late, a maximum of 5% may be deducted. After two weeks or at the start of a new unit, if the assignment has still not been turned in, the student will receive a mark of zero.

Rewrites and Missed Assessments: Students who do poorly on an assessment may request to rewrite an alternative assessment. Students will have one week after the completion of a unit to request to rewrite an assessment. Students will be required to come in at lunch (12:05 – 1:00) for three lunch hours for extra help and practice before they will be able to rewrite the assessment. Students are permitted to rewrite a total of 3 assessments throughout the semester.

Homework: Assignments not completed during regular scheduled class are considered to be homework. These formal assessments are due on the assigned due date.

Lunch Hour (12:05-1:00): Students may also come at lunch time (12:05-1:00), eat lunch, and get extra help on assignments or get caught up on work they have missed.

Zero Policy: All missed assessments will be given a mark of zero. When the student has completed the assessment that was missed, the mark of zero will be changed to the mark the student achieved on that assessment.

Academic Dishonesty: Academic dishonesty such as plagiarism, cheating, or copying work is a severe offence and will result in harsh penalties. First offence will be a choice of either a zero on the assessment or redo the assessment at lunch time. A letter will also be sent home to your parents/guardians at this time. Second offence will be an automatic zero, with a referral to administration, as well as a letter sent home to parents/guardians.

Students and Parents/Guardians: Please sign below to indicate that you have read and understand the course outline. If you have any questions or comments, please include them on the space below. If, at any time during the school year, you have questions or concerns, please call the school and leave a message. I will get back to you as soon as possible.

Sincerely,

Mr. Reimer

Student signature: _____

Parent/ Parent/Guardian Signature: _____