

## Course Outline

### Course Description:

Grade 12 Essential of Mathematics (40S) is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Students can gain access to many secondary school opportunities after completing Grade 12 Essential of Mathematics (40S), including university. Grade 12 Essentials of Mathematics is a one-credit course consisting of two half-credits each emphasizing consumer applications, problem solving, decision making, and spatial sense.

Grade 12 Essential of Mathematics builds on the knowledge and skills of both Grade 10 and Grade 11 Essentials of mathematics

Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society.

Grade 12 Essential Mathematics (45S) Half Course V		Grade 12 Essential Mathematics (45S) Half Course VI	
Unit	Suggested hours	Unit	Suggested hours
Analysis of Games and Numbers	7	Analysis of Games and Numbers	7
Vehicle Finance	17	Home Finance	12
Statistics	7	Geometry and Trigonometry	10
Precision Measurement	12	Business Finance	15
Career Life	12	Probability	11
<b>Total</b>	<b>55</b>	<b>Total</b>	<b>55</b>

Please note that the order that the units are studied may not follow the above listing.

**Each class we have is around 70 minutes, so Vehicle Finance is slotted for 17 hours, which means it should take around 15 classes. This includes tests, lessons and work classes. You have to do your work and keep ahead.**

### Mark Distribution:

<b>Final exam (Provincial)</b>	<b>– 20% (January 21, 2025)</b>
<b>Course Work</b>	<b>– 80%</b>

There is a total of 98 hours (there is actually 110 hours, but you are doing 12 hours of the career life mostly on your own) of new material to be covered in this course, so you will be expected to do homework outside of class. I will be available for help during lunch, as well as before first period. You cannot expect to get help while I have other classes but we may be able to squeeze you in during some of them if need be.

**Course Work** may include any/all of the following:

**Hand In Assignments:** Hand in assignments will be given for each unit. Students are to work on the hand in assignment in class only and without access to technology (laptop and cell phones). Students are able to use their notes for assistance when working on the assignments.

**Tests** will be given at the end most units. Some of the longer units may have more than one test. You must have the review for the unit completed before you write the test. All tests will be written with the aid of a one-sided student created study sheet. No student should have an identical study sheet as someone else. If this occurs, neither student will be allowed to use the study sheet.

### Materials

- ✓ Binder & dividers
- ✓ Laptop and headphones\*
- ✓ Scientific Calculator
- ✓ Pencils, eraser, ruler

\*Students will use Teams to access the videos for their notes and to access the digital textbook. They will need to bring it to every class.\*

**Class Expectations:**

Students are expected to arrive for class on time and prepared (with all required materials).

- If a student must be absent from class, prior notice should be given and any missed work must be completed immediately after the student returns to class. It is the student's responsibility to ensure all missed work is completed.
- All assignments are to be completed to the best of the student's ability. Substandard work will not be accepted and the student will be required to redo the assignment properly.
- This is a senior 4 level course and students are expected to behave as responsible young adults. As principal duties may require my absence from class on occasion, students are expected to be able to work independently and with limited supervision. This includes being self-sufficient on occasions where I am unable to attend the start of class or am called away during scheduled class time.
- Do your best & be respectful!

**Plagiarism/Cheating Policy:**

The 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 including AI.

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 principle for further disciplinary action. A meeting will need to be arranged with the parent/guardian to address the severity of this issue.

**Late Assignment Policy:**

Assignments are expected to be handed in assignments on the due date. Late assignments will only be accepted by 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.

**Extra Help:**

If a student requires extra help on a particular assignment/topic we covered in class, it is up to the student to request a meeting with the teacher.

### Outline Confirmation and Contact Information:

Communication with parents is more important than ever and will be a priority. After you go over this outline with your student, be sure to date, sign and provide me with your contact information. Please clearly indicate which method of communication you would like me to contact you with, and which parent/guardian to address my inquiries to. If both every parent/guardian would like the information than feel free to include them. You can fill out the form below (add more spaces if needed), but I personally would prefer you send me an email ([lfrohwerk@trsd.ca](mailto:lfrohwerk@trsd.ca)) with all the information so that I can ensure it is not misplaced.

I have read this outline over, and discussed it with my parent(s)/guardian(s) and understand what it contains. By getting these signatures, and appropriate contact information. Feel free to contact me via email at [lfrohwerk@trsd.ca](mailto:lfrohwerk@trsd.ca) if you have any questions, or phone the school to arrange a meeting (352-4253).

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Students Signature

\_\_\_\_\_  
Date

Parent email(s): \_\_\_\_\_ best phone number for contact: \_\_\_\_\_