



LONGFIELDS-DAVIDSON HEIGHTS S.S. Course Outline 2021

Locally Developed Essentials Mathematics, Grade 10, MAT 2L

Dept. website: <https://sites.google.com/a/ocdsb.ca/math-department/>

Prerequisite: MAT 1L or MTH 1W

Course Description:

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 11 and Grade 12 Mathematics Workplace Preparation courses. The course is organized by three major strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems.

Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Overall Curriculum Expectations

STRAND	OVERALL EXPECTATIONS
A. Extending Money Sense	A1. solve problems drawn from everyday situations involving money, demonstrating skill and understanding in the use of decimal numbers; A2. information about money sense; A3. use literacy skills (reading, writing, listening, and speaking) to extend their money sense.
B. Extending Understanding Measurement	B1. make estimates and measurements to extend understanding of the metric system; B2. make estimates and measurements to extend understanding of the imperial system; B3. solve problems involving measurements of circles, rectangles, cylinders, and rectangular prisms, using metric units in applications drawn from everyday life and the workplace; B4. communicate information about measurement concepts; B5. use literacy skills (reading, writing, listening, and speaking) to extend understanding of measurement.
C. Extending Understanding of Proportional Reasoning	C1. solve problems drawn from everyday situations, demonstrating skill and understanding in the use of fractions, percentages, ratios, and rates; C2. communicate information drawn from a variety of sources; C3. use literacy skills (reading, writing, listening, and speaking) to extend understanding of proportional reasoning.

Essentials Math Learning Skills:

Assessment of the learning skills will be done on an ongoing basis throughout the academic year by observations of students at work, checklists and interviews.

This will include:

- Classwork/homework (Work habits, homework and organization)
- Completed work and seeking assistance (Organization & initiative)
- Persistence and independence at tasks (Working independently)
- Extension of task (Organization and initiative)
- Achievement of group goals (Team work)

Assessment Strategies:

A variety of teaching/assessment strategies to address students' needs will be used during the school year. Formative assessments will be ongoing throughout the academic year. These may include:

Diagnostic assessment	Formative assessment	Performance assessment
Portfolio assessment	Rubrics	Checklists

Expectations:

Students are expected to attend all classes and hand in all assignments. Students must come to class on time and come prepared to work and participate with proper materials.

Students are expected to be present on test days. Those students who know in advance that they will be away on the day of the test are expected to make alternate arrangements with their teacher to complete the test. Students who have a legitimate reason for missing a test (e.g. school field trip, documented illness) will be given the opportunity to complete an alternate test before the scheduled one or have their exam mark replace the missed test mark. In the case of a field trip, both the student and the teacher leading the field trip should notify the subject teacher in advance of the field trip. When a student's reason for being absent for a test is not legitimate, the student will receive a mark of zero for that test.

All assignments will have a specified due date and students are expected to respect these dates. Assignments must be submitted at the beginning of the class on the due date. Under special circumstances (legitimate reasons), if a student misses a deadline there will be a second and final deadline given with a maximum penalty of 10%. If the student fails to hand in the assignment by that extended date, he/she will receive a grade of zero.

Materials: Students are **expected** to bring *their textbook, a scientific calculator, pencil, pen, eraser, ruler, three ring binder and lined paper* to class DAILY.

Expectations: **Daily 15-30 minutes completion** of homework is MANDATORY and is critical for test and summative preparation. Students are **expected to attend all classes** whether in person or during the remote learning component and **hand in all assignments**. A list of classroom rules will be posted in the class and must be respected by all students.

Missed lessons due to absences:

In case a student is absent for any reason, it is important to note that the material covered in the missed classes will still be on the upcoming evaluation. It is the responsibility *of the student* to catch up on missed work – please copy out missed notes, show an attempt to complete the homework, check their answers (with the back text) and then, if having difficulties, to arrange for extra help with their math teacher showing the above attempted work so their math teacher may optimize the help session to directly help your child.

LDHSS Mathematics Test Policy:

Students are expected to be present on test days. Those students who know in advance that they will be away on the day of the test are expected to make alternate arrangements with their teacher to complete the test. Students who have a legitimate reason for missing a test (e.g. school event, documented illness) will be given the opportunity to complete an alternate test before or immediately after the scheduled one or have their exam mark replace the missed test mark. In the *case of illness students* must have *a note written to the math teacher from a Parent/Guardian stating that they are aware that the student missed a test due to illness*. In the case of a field trip, both the student and the teacher leading the field trip should notify the subject teacher in advance of the field trip. When a student's reason for being absent for a test is **not legitimate**, the student will receive a **mark of zero** for that test.

LDHSS Assignment Policy:

In the event of a planned absence (trip, sporting event, family event, etc...) the student shall be responsible for informing the teacher and they shall arrange an alternative date for the student to complete the task. This should be *arranged prior to the student being away*. Where possible and at the discretion of the teacher, the student is expected to complete the missed assignment/test immediately upon her/his return to school

Plagiarism:

Work that is not the student's original material (i.e. copied, borrowed, electronically translated or stolen work) will not be included among the evaluation evidence that is considered for grading purposes because it provides "zero evidence" of a student's knowledge or skills related to the expectations being evaluated.



PARENT SECTION

How can you monitor your child's progress at home?

- 1) It is necessary that you along with your **child monitor and check their teacher's website or google classroom** for *updated course information* such as course outline and policy, important test dates, summative, and exam dates, extra help hours, any posted assignments, etc...
- 2) Students are expected to show each of their unit tests to their parents and or guardians. **Please check with your child when each unit test is returned.** In order to help students be more prepared for future units, students should make corrections to their previous unit test using their notes, by seeking help during the extra hours or by working with a peer.
- 3) Expect your child to do *about 15-30 minutes* of **homework** in Math DAILY. Students are reminded to show that they have checked their homework with the answers provided at the back of the textbook. Questions will be answered at the beginning of the next class, so each student should have any question(s) ready to ask at the start of class as these are taken up.
- 4) Check your **child's quiz results**. Quizzes are usually given before a major unit test. It is a good idea to ask your child how they did and most important, whether they did their corrections to each quiz and understood it! If the result on the quiz is poor, please encourage your child to seek help as soon as possible.
- 5) Ensure that your child **spends time in a quiet area at home away from distractions** when preparing for all quizzes and tests. Consistent daily hard work will lead to success and longer term retention of the necessary mathematical skills.

I have read and understood the above. Please fill in the blanks below and return this completed copy to your child's math teacher.

Student's Name _____ Student's Signature _____

Parent/Guardian's Name _____ Parent/Guardian's Signature _____

Home phone number: _____ Parent's Cell phone number: _____

Work phone number: _____ Parent/Guardian's email address (please print): _____