

Mayerthorpe Jr. Sr. High School

Math 9 Knowledge & Employability Course Outline 2025-2026

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Texts – Math Links 9 and Knowledge & Employability 9 Workbook

Program Rationale:

The Alberta Mathematics curriculum for Grade 9 is divided into four sections called strands. The four strands are as follows:

- Number
- Shape and Space
- Patterns and Relations
- Statistics and Probability

These strands are divided into eleven chapters in the Knowledge and Employability Student Workbook. The Grade 9 curriculum objectives of each strand are covered within each chapter. The tentative outline order is as follows:

Unit 1	Whole Numbers	September
Unit 2	Operations with Whole Numbers	September-October
Unit 3	Decimals	October - November
Unit 4	Working With Data	November - December
Unit 5	Patterns, Relationships, and Equations	December
Unit 6	Percents and Rates	January
Midterm	Review & Midterm Exam (Semester 1 material)	January
Unit 7	Operations with Fractions	February
Unit 8	2-D and 3-D Geometry	February - March
Unit 9	Length, Perimeter, and Area	March - April
Unit 10	Temperature, Time, Mass, and Volume	April - May
Unit 11	Transformational Geometry	May - June
Review & Final	Review & Final Exam (all course material)	June

Goals

The main goals of Mathematics education are to prepare students to:

- Use mathematics confidently to solve problems within our daily lives
- Communicate and reason mathematically
- Appreciate and value mathematics
- Commit to lifelong learning and become mathematically literate adults

Student Materials:

- A binder with notes and paper
- Pencil & sharpener, eraser, small ruler
- Scientific calculator

Evaluation

The mark for the course shall be broken down as follows:

In-class assignments, projects, homework, quizzes	30%
Unit Tests	45%
Midterm Exam	10%
Final Exam	15%

Assessment for Learning (Formative Assessment) is a systematic process of collecting information or evidence about student learning and is not assigned a grade/mark for the report card.

Assessment of Learning (Summative Assessment) is the judgment we make about the assessment of student learning based on established criteria, and a mark/grade is recorded for the report card.

The Final Mark/Grade:

The evaluation for this course is based on the student's achievement of curriculum expectations and the demonstrated skills required for effective learning. The final mark/grade represents the quality of the student's overall achievement of the expectations for the course and reflects the corresponding level of achievement.

General Assessment Statement:

The purpose of reassessment is to allow a student to remove an uncharacteristic grade. Individual reassessments will only be granted in extenuating circumstances.

To qualify for a reassessment, the following requirements must be met:

1. You must show evidence of preparing for the original assessment
 - a. For example:
 - i. Completion of all formative and summative assessments (assignments/quizzes/projects).
 - ii. Completion of practice questions/formative assessments
 - iii. Actively engaged in lessons/class/learning activities and effective use of class time.
2. You must review the assessment and receive feedback in order to establish an understanding of your grade.
 - a. For example:
 - i. A student/teacher conference
 - ii. Post assessment self-reflection
3. You must provide evidence of enhanced learning of the outcomes.
 - a. For Example:
 - i. Completion of teacher tutorial sessions

- ii. Completion of additional practice materials
- iii. Exam Analysis - identifying errors/common mistakes/distractors
- 4. You must arrange to meet for reassessment in a timely manner.
- 5. The reassessment may be in an alternative form other than the original assessment, but will assess the same outcome(s) from the programs of study.

Classroom Expectations:

All current school procedures and policies must be followed.

(<http://mayerthorpehigh.ca/parents-and-students/student-agenda>) Please note: The policy regarding **electronic devices** will be strictly enforced.

Disruptions of any kind will not be tolerated in class.

Cheating and plagiarism will not be tolerated. Anyone caught cheating or participating in plagiarism may receive a grade of zero for the assessment in question. Parents and administration will be contacted.

Students must be on time for class. They are expected to be in class at the bell. Students who miss 25% of the class will be marked absent. (10 min for 40 min class, 20 min for 80 min class)

No Bus Days: If buses are not running, I will hold a drop-in Google Meet during regular class time. This will be the time to ask questions, clarify concepts, work on assignments, have group discussions, etc. No new material will be covered, but depending on the frequency of this situation, this could change.

Absences:

If you are away from school or anticipate being away, it is your responsibility to let the school know and catch up on the work missed.

Any parent wishing to meet with us to discuss a problem or concern may arrange a meeting by calling the school (780-786-2624) or by email, whichever is most convenient. Any student wishing to request extra help or wishing to discuss a problem or concern can speak with us directly or via email. We will do our best to make ourselves available for extra help.