

Knowledge and Employability Math 9–Course Outline

Parkside School 2025-2026

Welcome to the 2025-2026 school year and welcome to your last year at Parkside School! We are really excited to be teaching a section of grade 9 Math this year and having the opportunity to work with each and every one of you. It is our hope that you will find our Math classroom to be an engaging, enthusiastic, and comfortable classroom where you will have the chance to learn new things. This class will also provide opportunities to complete hands on projects, work with others and to help you continue your path of lifelong learning.

Grade Nine students will develop and build on their understanding of the four components of Mathematics. The Program of Studies outcomes that we will be focusing on this year can be found online at Alberta Education. In general, these components are:

1. Number: Number concepts and number operations
2. Patterns and Relations: Patterns and relationships, Variables and equations
3. Shape and Space: Measurement, 3-D objects and 2-D shapes, Transformations
4. Statistics and Probability: Collecting and analyzing information

In addition to the above general outcomes, students will also be working towards outcomes from as outlined in Alberta Education’s Ministerial Order on Student Learning (Inspiring Education).

- | | |
|--|--|
| A. Know how to learn | B. Think critically |
| C. Identify and solve complex problems | D. Manage information |
| E. Innovate | F. Create opportunities |
| G. Apply multiple literacies | H. Demonstrate good communication skills and the ability to work cooperatively with others |
| J. Identify and apply career and life skills | I. Demonstrate global and cultural understanding |

Course Breakdown

Unit 1: Whole Numbers September
Unit 2: Operations with Whole Numbers September- October
Unit 3: Decimals October
Unit 4: Working with Data November
Unit 5: Patterns, Relationships, and Equations December
Unit 6: Percents and Ratios January
Unit 7: Operations with Fractions January- February
Unit 8: 2-D and 3-D Geometry March

Unit 9: Length, Perimeter, and Area April
Unit 10: Temperature, Time, Mass, and Volume May
Unit 11: Transformation Geometry June
REVIEW June

Grading System:

Term Mark:

Final Mark:

- Projects and Assignments – 40%
- Quizzes - 10%
- Unit Tests- 50%

- Term 1 – 25%
- Term 2 – 25%
- Term 3 – 25%
- Final Exam – 25%

**Please note that on any quiz or exam that a student scores below 50%, they will have to complete a mandatory rewrite.

Supplies Needed

Chromebook (school)

1 binder

2 packages of Loose-leaf

1 package of dividers

Pencil case

Pens and Pencils

Markers or pencil crayons will be needed at times during the school year

***Please remember if your supply happens to run out, you are expected to bring additional materials to class the next day.

Assignments

If you are absent from class for any reason, you are responsible for making up all the work.

Homework

Students will be given class time to work on assignments. That which is not completed in class will be considered homework. On the following day students will be expected to submit their daily work. Students who do not complete assigned homework will be required to work on their homework at home and/or during TAG classes. **You are responsible for all assignments.**

Exams

Students that have a legitimate reason for missing exams will be given an opportunity to write the same or similar exam when they arrive back to school. **The student must make arrangements with me for when to write the missed test. If a student fails an exam, rewrites are given, but only within a certain time of the original exam. It is the responsibility of the student to come in and make immediate arrangements for a rewrite.**

Classroom Procedures

1. **Bell Work** will be a short assignment given at the beginning of some classes. You **MUST** bring your binder to every class.
2. If you are late for class: Before coming to class, check in at the office. When entering class, start the bell work assignment and I will inform you on what you missed.
3. Speaking in class: Class contributions are welcome and expected. When you have something to say please raise your hand and you will be called on.
4. Group Work: Students will be working in groups for some assignments. Groups will be selected either by the students, teacher or at random. Students are expected to be equally collaborating members of the group and to share work responsibilities
5. Sharpening a pencil: Not when I'm talking or if someone already is.
6. Need to go to the washroom or get a drink: raise your hand.
7. Food: **HEALTHY** snacks and water are allowed, but this must not disrupt the

- class or anyone around you.
8. Garbage goes in the can, not on the floor.
 9. Do NOT touch things that do not belong to you. (Windows, smart board, bulletin boards, teacher's desk, other people's electronic devices, etc.)
 10. Walking around the classroom: Ask, you are not allowed until permission is granted.
 11. Lack of preparation: Come with all necessary materials, sit down, open your books and be ready to work.
 12. Extra help will be offered on request.
 13. I dismiss you, not the bell. The bell is a procedure for the teacher to dismiss the class, not one for the students.
 14. Electronic devices are to be placed on the designated area by the teacher or kept in lockers. Students will be allowed to use these when the teacher gives the direction to do so.
 15. Unauthorized use during class time may result in the loss of your device for the remainder of the period or day.
 16. If you need help, **please** see me.

My goal as your teacher is to create a positive learning environment where all students are able to learn new things and enhance those skills which they already have. I use Google Classroom for students who are ill or absent and they can access material missed. I look forward to having a fun and rewarding school year with you. If you have any questions or concerns please come and speak with me. We will all work together to make this year both fun and rewarding.

Please contact me at any time should you have questions or concerns: jonnbaird@prrd8.ca