



Mathematics 8



In Mathematics 8 you will develop skills and knowledge that will help you to apply mathematical concepts and solve mathematical problems with confidence. As you progress through this course, you will be encouraged to engage in conversations with others. Through these discussions with your fellow learners, you will learn to communicate and reason mathematically as well as express your understanding.

The Alberta Program of Studies tells what students are expected to learn in mathematics courses. These expectations are called learning outcomes. The learning outcomes are organized into four strands.

Numbers	<p>35-40% Square Numbers, Roots & Pythagorean Theorem</p> <p>Integers - Multiply & Divide</p> <p>Fraction Operations</p> <p>Rates and Proportional Ratios</p> <p>Percents</p>
Shape and Space	<p>25-30% Pythagorean Theorem</p> <p>3-D Geometry - Drawing & Building Views</p> <p>Transformations</p> <p>Measurement - Surface Area & Volume</p>
Patterns and Relations	<p>10-15% Linear Relations & Equations</p>
Statistics and Probability	<p>5-10% Data Analysis and Graphs</p> <p>Probability</p>

Learning in an Online Environment

This course is delivered to you in an online environment. You will access your class through Google Classroom. You can look forward to using resources such as interactive multimedia and the Internet for various activities. Computer simulations, multimedia, graphics, and electronic information will also be available to support your learning. Personal phones or iPods are not allowed to be used for exams as calculators or during exams. Recording video or taking pictures

of others without consent are not permitted. Respectful behaviour and language transfers to anything posted in Google Classroom.

Required Materials

Ensuring you are set-up to learn in an online environment helps lay the foundation for your success in this course. Key items include: a scientific calculator, a ruler, a student writing tablet (Ex: Wacom Student Drawing Tablet), a headset (blocks out external noise), and a laptop (second monitor optional). A [supply list](#) is available on the SPVA website.



Assessment

Marks will be available for students and parents to view on PowerSchool. You will need your Username and password. If you are not sure what these are, please contact our [main office](#).

The Mathematics 8 mark consists of summative assessments (assignments, quizzes, tests, projects) taken throughout the year as well as a final exam. There will also be formative assessments - practice work to allow students to see how well they know the outcomes and prepare for the summative assessments.

Coursework (85%) Assignments 20%

Quizzes 20%

Projects 20%

Unit Exams 25%

Final Exam 15%

**Students are allowed
to bring in a**

**single-sided 8 ½ x 11
study sheet for each**

quiz and exam.

Additional Information and Expectations

All students and staff are expected to treat each other with respect. Please refer to the Class Expectations that were created together and agreed upon in the Google Classroom. For more information, please refer to our [website](#).



Believe In Yourself, It Changes What You Can Do!



Research has shown that if you believe in yourself and you make a mistake your brain responds with more activity and brain growth than if you don't believe in yourself. Always remember you can learn anything!

