


Contact

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Course: Math 9
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Parents and students please to refer to the HRCE Assessment, Evaluation, and Communication of Student Learning Policy accessible at <http://www.hrce.ca/>



Mathematics 9 Course Introduction

Mathematics 9 develops the fundamental knowledge and skills required in mathematics, while providing an in-depth exploration of number sense, patterns and relations, measurement, geometry and probability and statistics intended for students pursuing secondary math courses.

Evaluation

When determining a students’ final grade:

- ✓ *No single assessment tool (i.e. presentations, labs, demonstrations, portfolios, debates, written tests/quizzes) will account for more than half of the value of each Gradebook category*
- ✓ *Learning trends over time will be considered, more recent student work and the teacher’s professional judgment*
- ✓ *Students will participate in a final cumulative assessment opportunity that allows them to demonstrate an appropriate range of the learning outcomes and process skills involved in the course.*

Students in Math 9 will explore the following units and topics:

Unit #	Unit Title	Time Frame	Unit Outcomes*
Unit 1	Powers and Exponent Laws	September	N01, N04, N02
Unit 2	Rational Numbers	October	N03, N04
Unit 3	Square Roots and Surface Area	November	N05, N06, G01
Unit 4	Linear Relations	December	PR01, PR02
Unit 5	Polynomials	January	PR05, PR06, PR07
Unit 6	Linear Equations and Inequalities	February	PR03, PR04
Unit 7	Similarity and Transformations	March	G03, G02, G04
Unit 8	Circle Geometry	April	M01
Unit 9	Probability and Statistics	May	SP04, SP01, SP02, SP03

Assessment Practice

Students will be provided with multiple opportunities to demonstrate their progress toward achievement of outcomes.

- ✓ **Assessment for Learning/Formative Assessment**...the ongoing process of gathering and interpreting evidence about student learning for the purpose of determining where students are in their learning, where they need to go, and how best to get there.
- ✓ **Assessment of Learning/Summative Assessment**... process of analyzing, reflecting upon, and summarizing assessment information and making a judgment and/or decision based upon the information gathered.
- ✓ Student learning is assessed through observations, conversations and products, using assessment tools like journals, assignments, projects, presentations, quizzes, tests and exams.

Creating Opportunities for Success

Dartmouth High School encourages respect for self, peers, teachers, and the environment. The Provincial School Code of Conduct outlines positive behaviors expected and possible consequences for inappropriate behaviors.

Procedural Expectations
<p><i>Students are responsible for:</i></p> <ul style="list-style-type: none"> • <i>Seeking assistance with assignments when required;</i> • <i>Requesting an extension for assignments in a timely manner when required;</i> • <i>Completing assignments by specified due dates so that teachers can provide timely feedback;</i> • <i>Responding to feedback provided during the learning process.</i>
<ul style="list-style-type: none"> • Plan and organize so that deadlines can be respected • Students are expected to complete all assignments including those completed when a student is absent. • Students who legitimately miss a major test will be given one opportunity outside of class time to rewrite if the reason for the absence is communicated with a note, e-mail or phone call directly to the teacher.

Communication Tools
<p><i>Dartmouth High will use a variety of methods to communicate student achievement throughout the school year.</i></p>
<p>PowerSchool - Students and parents are encouraged to access PowerSchool on a regular basis to track attendance and student progress. It will be updated regularly but when student work is submitted late, an inaccurate representation of student progress is portrayed.</p> <p><i>If an assignment is missing (m) it has not been submitted yet, a late(l) assignment has been submitted and no evidence of learning will be assigned when the student fails to submit the assignment after multiple opportunities have been provided.</i></p> <p>Google Classroom - a Google classroom site will provide you with important deadlines as well as electronic access to materials and resources used during class.</p> <p>Curriculum Night, Parent-Teacher Interviews, Mid Term Reports, Final Report Cards students and parents are encouraged to e-mail and/or make contact by phone with any concerns or questions</p>

Marking Rubric
<p>Tests and assignments will be marked by outcome.</p> <p>Each outcome will be marked on a scale of 1 – 4.</p> <p>4– In-depth knowledge and understanding of content and concepts. Able to extend the application of related skills.</p> <p>3 – Competent knowledge and understanding of content and concepts. Appropriate application of the related skills.</p> <p>2 – Developing knowledge and understanding of content and concepts. Developing in the application of the related skills.</p> <p>1 – Limited knowledge and understanding of content and concepts. Limited application of related skills.</p>

Accessing Help
<ul style="list-style-type: none"> ✓ Extra-help is available by appointment. ✓ Class notes are available on Google Classroom ✓ Students can access the textbook electronically on Google Classroom

Equipment Needs
<p><i>Math Makes Sense 9 textbook</i>, binder, lined paper, graph paper, calculator, pens/pencils/eraser, ruler, school internet account, PowerSchool account, a laptop computer/ tablet/smartphone may be useful when used appropriately but are not necessary.</p>