GRADE 9 STEM

GENERAL WOLFE SCHOOL 2025/26

What is STEM?	STEM is an acronym for science, technology, engineering, and math. These four fields share an emphasis on innovation, problem-solving, and critical thinking. STEM classes will combine curricular outcomes from math, science, and technology together. Students will have the opportunity to demonstrate their learning through completing projects related to topics in all three of these subject areas.
Math	The grade 9 mathematics curriculum includes the following topics: Rational Numbers, Statistics, Powers and Exponents, Linear Relations, Circle Geometry, Polynomials, Similarity, and Symmetry. Emphasis in the course is to prepare students for their high school math courses. Students will be provided with a variety of math related activities including problem-solving, group collaboration, using manipulatives and hands-on math learning.
Science	Grade 9 students will explore science through four main units: Matter, Electricity, Genetics and Reproduction and Evolution over Time. Throughout the exploration of these topics, students will learn about the scientific method. Students will pursue learning in these areas through: · Hands-on science activities · Inquiry and design projects · Assignments · Forming and testing hypotheses · Experiments · Current events in science · Class discussions · Cooperative science-team activities

Technology	Students will use and study technology to create practical solutions to problems – individually or in groups – to develop technical skills, knowledge and attitudes. Technology Education enables students to explore their ideas and gain practical experiences in a safe and supportive environment. Examples of technologies that students will use and be exposed to include coding, 3D modelling and printing, and creating digital presentations.
Assessment	Assessment is based on demonstration of learning outcomes. Several forms of assessment will give students feedback about their learning and influence the emphasis of future instruction. These will include: · Teacher observations · Formal and informal one-on-one conversations · Group conversations · Checklists · Tests and quizzes · Assignments/Projects · Self-assessment · Peer assessment
Classroom Expectations	Regular attendance, active participation, completion and reflection on assignments and activities. Students will be encouraged to take responsibility for their learning by setting goals, developing STEM skills, following through, and reflecting on the outcomes of their efforts.
Teachers	Mr. Shawn Reimer shreimer@wsd1.org Mr. Anders Opochinsky aopochinsky@wsd1.org