Assessment

Student-learning in STEM will be assessed through a variety of strategies that evaluate both process and product.

Assessment strategies include:

- **Project-Based Tasks**
- **Performance-Based Assignments**
- **Evaluative Tasks**
- **Observations**
- **Learning Conversations**

Contact Information

For any questions about the Grade 7 STEM program, please feel free to reach out to the teaching team directly via e-mail.

- **Adrienne Leonard.**: aleonard@wsd1.org
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General Wolfe School

Grade 8 STEM

What is STEM?

In Grade 8, an integrated approach is taken to learning with the STEM curriculum. STEM is an acronym for Science, Technology, Engineering, and Mathematics—four fields that emphasize innovation, problem-solving, and critical thinking.

Students will combine concepts from math, science, and technology to complete hands-on projects that demonstrate their learning across these subjects.

Mathemathics

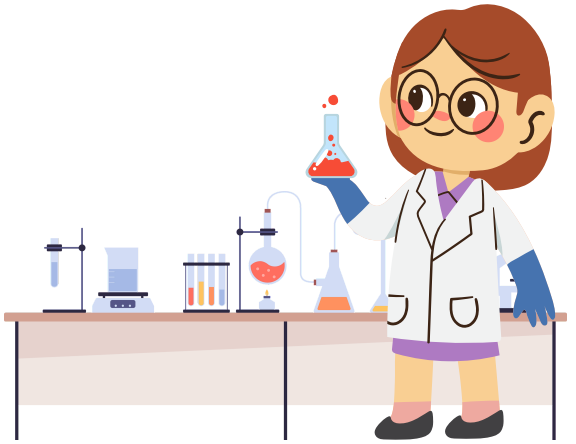
The Grade 8 mathematics curriculum covers topics such as Operations with Rational Numbers, Integer Multiplication and Division, Linear Relations and Geometry (Volume and Pythagorean Theorem).

Students will engage in a variety of activities to deepen their understanding of these concepts, including problem-solving, group collaboration, hands-on learning with manipulatives, and mental math exercises.

Technology

The technology program provides a safe and supportive environment where students will use and study technology to create practical solutions to problems.

Students will gain hands-on experience in areas like coding, robotics, digital media, troubleshooting, and digital literacy. Students will also build essential skills in collaboration, creativity, critical thinking, communication, and citizenship, helping them develop technical knowledge and a positive attitude toward technology.



Science

Grade 8 science aims to foster scientific literacy, with a focus on Indigenous Ways of Knowing within the natural world. Students will engage in practical science and develop a scientific identity by exploring topics in Matter, Fields, Energy, Earth Science, and Life Science.

The approach to learning will involve project-based activities, hands-on experiments, inquiry and design projects, and class discussions. Students will also develop observation, measurement, and data analysis skills.