

## Grade 7 Science

Ste. Rose School 2024-2025 Ms. J. Slobodzian [jslobodziana@trsd.ca](mailto:jslobodziana@trsd.ca)

### Grade 7 Science is comprised of 4 units:

- Interactions Within Ecosystems
- Particle Theory of Matter
- Forces and Structures
- Earth's Crust

In Grade 7, children investigate the complex interactions between organisms and their environment and learn about ecosystems and the process of ecological change. Through a detailed study of the Particle Theory of Matter, children examine the development of scientific theories. Children learn about the forces that affect the strength and stability of different structures and they apply their understanding by designing and constructing their own structure. A study of the Earth's geology includes learning about the geological resources in Manitoba and Canada and a discussion of the importance of soil conservation.

### Evaluation:

Your child's learning and progress will be assessed in many ways. I will look closely at their learning by collecting samples of work, assigning tests and quizzes, and listening to them in conversations regarding the content we are studying.

I will assess how your child applies scientific inquiry skills, solves problems and makes decisions in science.

Your child's progress will be reported under three areas of learning:

- **Knowledge and Understanding:** What does your child know and understand about the science themes and topics?
  - Knowledge is assessed through assignments, verbal communication, as well as quizzes and tests.
- **Scientific inquiry process:** How does your child ask questions, generate possible explanations, collect and analyze evidence, and reach conclusions based on evidence?
  - Students will have an opportunity to explore scientific inquiry processes through interactive lessons, laboratory work as well as through research based projects.

- **Design process and problem solving:** How does your child apply science learning to seek solutions to practical problems?
  - Students will have opportunities to design and problem solve through many hands on activities, experiments, and projects throughout the year.

### Student expectations:

- Attend class regularly
- Be on time for class
- Come to class prepared (binder, paper, writing supplies, and any other items verbally requested the previous class)
- Complete assignments on time
- Be responsible, respectful, and safe to yourself, others, and property
- Behave appropriately to ensure that students are not preventing the teacher from administering the lesson, or disrupting other students' opportunity to learn

*\* Note: Any of the above information could change at any given time based on the teacher's discretion.*