

# **Grade 8 Science Course Outline**

2023-2024

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## **Course Outline**

The Grade 8 Science program is a compulsory course that is general in nature and covers a wide range of Science topics. The course involves both group, and individual work. Attendance and consistent effort are required to maintain a continuous flow of student learning. Daily work must be kept up and deadlines met for students to achieve success in the course.

### **Cluster 1: Cells and Systems** Sept, Oct.

In this cluster, students investigate living things through a focus on cells and human body systems.

### **Cluster 2: Water Systems** Nov., Jan.

In this cluster, students investigate the properties of water, its global manifestations and its impacts.

### **Cluster 3: Fluids** Feb, April

In this cluster, students investigate the properties of fluids, including viscosity, density, and compressibility.

### **Cluster 4: Optics** May, June

In this cluster, students broaden their understanding of how light is produced, transmitted, and detected.

## **Classroom Materials**

- Smart Board and Internet
- Textbook
- Pen or Pencil
- Binder with paper
- Highlighter
- USB Stick
- Computer access

- Microscopes and slides provided by school

### **Evaluation and Attendance**

Regular, punctual attendance reflects a mature acceptance of the responsibilities entailed in attending school. The individual student must see that the consequences of non-attendance and missed deadlines fall squarely on his/her shoulders, not those of the teachers or parents.

**75% Knowledge and understanding**

Comprehension of material being introduced

**25% Scientific inquiry process and Problem solving**

This process involves asking questions, doing research, constructing hypotheses, testing, analyzing results and drawing conclusions.

### **Class Expectations:**

You are expected to be on time, prepared to learn, and respectful to all people in the classroom. All assignments and projects must be completed and handed in on time to be considered for full marks. If you miss class, please notify the school, and know that it is your responsibility to get caught up.

Late marks, zeros, and incompletes will be given according to the Ste. Rose School Policy Handbook.

As the teacher I also have responsibilities that include making sure your grade is accurate, meaningful, and consistent with your understanding, and making sure you have the information you need to be successful. I will also have an open line of communication with your parents and/or guardians to ensure you are meeting everyone's expectations; your parents', your teacher's, and your own.

Please do not hesitate to ask if you need help with anything. I am always available during the school day, and I check my email at least once per evening.