**Course:** Grade 8 Science
**School**: Ste Rose School
**Teacher:** Matthew Grammatico (mgrammatico@trsd.ca)
**Room:** 132

Year Plan (2022/2023)

**Course Rationale:**

Throughout this course, students will develop their skills and attitudes towards the world of science. They will learn about the inquiry process, conduct scientific experiments, and use their understanding of science to better appreciate the world around them. Students will also be introduced to the many different branches of science such as biology, physics, and chemistry.

**Materials:**
+Binder
+Pens
+Pencils
+Paper
+Electronic device (phone, iPad, or laptop)

**Course Breakdown:**

Grade 8 math is composed of 4 main clusters. They are as follows:

Cluster 1: Cells and Systems (**Mid April - June**)
Cluster 2: Optics (**September - Mid November**)
Cluster 3: Fluids **(February - Mid April)**
Cluster 4: Water Systems **(Mid November - February**)

**Cluster 1: Cells and Systems**
In this cluster, students will learn about:
+The characteristics of living things
+Cell theory
+Light Microscopy
+Cell biology
+The cardiovascular system and the immune system

**Cluster 2: Optics**
In this cluster, students will learn about:
+Electromagnetic radiation
+Subtractive/additive colour theory
+How the eye detects colour
+Reflection, refraction

+Lenses

**Cluster 3: Fluids**
In this cluster, students will learn about:
+What fluids are
+Density and buoyancy
+Hydraulic systems
+Pressure
+The particle theory of matter
+Pneumatic systems

**Cluster 4: Water Systems**
In this cluster, students will learn about:
+The differences between salty and fresh water
+The water cycle
+Heat capacity
+Erosion/deposition
+Waste disposal
+Coriolis Effect
+Water purification

**Assessment:**

Summative Assignments: 100%
Students will receive a final grade for this course based on their performance in worksheets, review activities, interviews, quizzes/tests, and various other assignments.

**Class policies:**

Course materials will be uploaded onto Microsoft Teams. In the event of an absence, you are expected to consult Microsoft Teams and look through the material that you missed. It is also your responsibility to consult the teacher regarding any assignment that you might have missed.

All students are expected to attend each and every class, and be on time.

Cell phones are only allowed to be used when the teacher says so.

**Plagiarism/Cheating Policy**

1 st offense- The student will receive a 0 (zero) on the assignment. A phone call/email will be sent to the parent/guardian.

2 nd offense- A letter will also be sent home to the parent/guardian. The parent must sign the letter and return it to the school. The Student will receive a 0 (zero) on the assignment.

3 rd offense- The student will receive a zero on their assignment and they will be referred to the principal for further disciplinary action. A meeting will need to be arranged with the parent/guardian to address the severity of this issue.