



STURGEON COMPOSITE HIGH SCHOOL

Science 14
Course Outline
Fall 2021-22

Instructor: Mrs. S. Reed

Google Classroom Code: _____



TEXT: Science Connect 1: McGraw-Hill Ryerson, 2002.

COURSE MATERIALS: Calculator, Three ring binder with paper and/or coil book, Ruler, Pencil AND Pen (these items will not be loaned)

COURSE CONTENT: Science 14 consists of four units of study:

UNIT A: INVESTIGATING PROPERTIES OF MATTER (25%)

1. Understanding Matter
2. Pure Substances: Elements and Compounds.
3. Mixtures and Their Uses.
4. Solutions and the Environment.

UNIT B: ENERGY TRANSFER TECHNOLOGIES (25%)

1. Heat and heat transfer.
2. Controlling Heat Transfer.
3. Simple Machines and Energy Transfer

UNIT C: FROM LIFE TO LIFESTYLE (25%)

1. Structure and Function of Plant and Animal Cells.
2. Life Functions Common to Living Things
3. Food for Life.
4. Maintaining Homeostasis

UNIT D: MATTER AND ENERGY IN THE BIOSPHERE (25%) The Web of Life

1. Populations
2. Ecosystems and Biomes
3. Protecting the Environment

EVALUATION: The final mark in Science 14 will be based upon the following:

TERM WORK: 70%

1. **EXAMS** (40%)
2. **ASSIGNMENTS/LABS/QUIZZES** (30%)

FINAL EXAM: 30%

PLEASE NOTE: In the event that we switch to on-line learning, course weightings may be altered to fit this format of learning, based on the recommendations of the division and the government.

BEHAVIORAL EXPECTATIONS:

- Students are expected to arrive to class on time and with ALL required materials;
- Students need to attend every class (whether in class or on-line) AND complete assigned homework;
 - Most assignments will be completed in class where more than ample time will be given.
- Students are expected to turn in all assignments and labs on the assigned due date;
- Students are required to give prior notification if they will be away during an exam;
- Students may be writing a different test if they miss a test or exam and cannot write it the next day.

ASSESSMENTS: NHI's will be entered for student's that do not hand items in on the due date. Students that are not able to hand in items on time need to have a conversation with their teacher.

- Assessments handed in late may be assessed or marked as complete if they are received one school day before the Unit exam.

Students will be expected to maintain social distancing in the room and will be asked to wash hands for various reasons. Masks will be your responsibility.