

SCIENCE 20F and 20M Topics in Science

COURSE OUTLINE

INSTUCTORS:

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COURSE DESCRIPTION:

This course includes students with a variety of learning needs. Each student's individual needs will be met by adapting or modifying the course material to allow both growth and challenge in the areas of scientific inquiry including; observing, measuring, recording, analysing, and interpreting data to relate it to the world around them.

Students receiving a modified credit will have an Individual Curriculum Modification Plan. Assignments will include individual, small group and class activities and individual and group projects including participation in science labs. Our class educational assistants and ourselves, will be available to guide and assist our students as they work to complete these assignments and reach their individual goals.

Topics studied will be chosen from the **Three Areas of Science: Life Science, Physical Science and Earth and Space Science.**

This course is organized to include learning activities that will lead to **the General Learning Outcomes of:**

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|---|---------------------------------------|
| 1. Initiating | 2. Researching |
| 3. Planning | 4. Implementing a Plan |
| 4. Observing, Measuring, Recording | 5. Analysis and Interpreting |
| 6. Concluding and Applying | 7. Reflecting on Science & Technology |
| 8. Demonstrating Scientific and Technological Attitudes | |

COUSE UNITS

- 1. February**
 - Weather and Climate Dynamics
 - Exploring the Universe
- 2. March**
 - Motions and Forces
- 3. April**
 - Chemicals in Action
- 4. May**
 - Dynamics of the Ecosystems
- 5. June**
 - Completion of Dynamics of the Ecosystems

FORMATIVE AND SUMMATIVE ASSESSMENTS:

- 1. Daily Assignments**
- 2. Self Assessments**
- 3. Unit Tests**
- 4. Individual Projects**
- 5. Group Projects**
- 6. Participation in Science Labs**
- 7. Written Lab Reports**

CLASSROOM EXPECTATIONS

Learning: Students will come to class ready to continue to develop their Scientific Inquiry Skill by participating in and completing activities, assignments and experiments organized for the class.

Responsibility: Students will be responsible for their class assignments and choices and actions while in class.

Respect: Students will respect all individuals in our class including themselves, as well our learning environment.

Safety: Students will make positive choices in class which will keep everyone safe both physically and emotionally.

Classroom Procedures

1. Students will find their seats which will be assigned to them for the duration of the term.
2. The use of digital devices (***cell phones***) ***is not allowed during direct instruction or class activities.*** Students are provided with a class, plastic container on the teacher's desk or they can keep them in their back packs. Students may listen to music (1 ear bud) during independent work time.
3. Be prepared for your opening activity.
4. Ask, if you must leave the classroom and complete the sign in/out sheet.
5. Keep your desk and basket tidy.
6. The teacher will dismiss the class.
7. Respect yourself, staff, classmates and learning environment with your words and actions!

DIGITAL CITIZENSHIP

- At all times, all SVRSS students are expected to be good digital citizens, respectful of the privacy of others, and responsible for their own devices. Any damage to a cell phone either physical damage or data damage is the solely the student's responsibility.
- **It is a Manitoba Provincial Policy that states that Cell Phone use is banned from use for all students in grades 9-12 during class time.**
- During instructional time, cell phones need to be out of sight or in a container on the teacher's desk.
- **If at any time you choose to use your cell phone or device, any teacher or educational assistant in our class may take your phone away from you for the remainder of the class.**

- You may listen to music on your device, only while you are working on assignments independently once all instructions for class have been given.