

# SCIENCE 9 COURSE OUTLINE

**GENERAL:** Science 9 continues to delve into the major fields of science, allowing students to investigate several different topics over the course of the semester. For many students learning in a laboratory setting can be rewarding, however, it is wise to be aware of the dangers that are ever present. A signed safety contract will be kept on file to reinforce the notion that safety is paramount.

**TEXTBOOK:** BC SCIENCE 9

**APPROPRIATE MATERIALS FOR EACH CLASS:**

textbook, 3-ring binder, lined paper, pens, pencils, eraser, calculator.

**SCIENCE BINDER:**

Each student is expected to have a science specific 3-ring binder that is divided into the following sections:

- |              |            |
|--------------|------------|
| 1. Chemistry | 3. Biology |
| 2. Physics   | 4. Ecology |

**MISSED ASSESSMENTS:**


In fairness to all, students are expected to write and/or hand in their assessments on the scheduled date and time. If a student is legitimately unable to do so, all efforts must be made to inform the teacher by e-mail [weiss\\_l@surreyschools.ca](mailto:weiss_l@surreyschools.ca) or by telephone message 604-531-8354 ext 46685.

**BIG IDEAS:**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>The electron arrangement of atoms impacts their chemical nature<br/><b>(Chemistry)</b></li> <li>Electric current is the flow of electric charge<br/><b>(Physics)</b></li> <li>Cells are derived from cells<br/><b>(Biology)</b></li> </ul> | <ul style="list-style-type: none"> <li>The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them<br/><b>(Ecology)</b></li> </ul> |
|---|---|

**CORE COMPETENCIES:**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>Communication</li> </ul> | <ul style="list-style-type: none"> <li>Thinking</li> <li>Personal and Social</li> </ul> |
|---|---|

<b>Proficiency Scale</b>				
	<b>Emerging</b>	<b>Developing</b>	<b>Proficient</b>	<b>Extending</b>
	The student demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a sophisticated understanding of the concepts and competencies relevant to the expected learning.

**EVALUTAION:** Student understanding of the **BIG IDEAS** in this course will be evaluated on their ability to express the **CORE COMPETENCIES** via the **PROFICIENCY SCALE** using the following break down:

Scientific inquiry and processes	5%
Biology	15-20%
Chemistry	15-20%
Physics	15-20%
Geology	15-20%
Final Assessment	15-20%
Overall	100%

**IE: 0-49% Emerging:50-59% Developing 60-72% Proficient: 73-92% Extending: 93-100%**

**CLASSROOM EXPECTATIONS:**

1. Jackets, purses, backpacks etc. are **NOT** permitted as they pose a safety hazard (leave these in your assigned locker)
2. **ELECTRONIC DEVICES** will be silenced and out of reach when not in use.
3. No sitting on desktops or countertops
4. Safety contract signed re: contact lenses,
5. No hats, dangling jewelry, ties etc. on lab days
6. Absolutely NO FOOD or DRINK in the lab (at any time)

In an effort to facilitate the PARENT-TEACHER-STUDENT relationship, which is integral to success in school, I have developed a website that has a detailed breakdown of all material covered in class on a daily basis. To confirm that you are aware that this site exists and to ensure future communication I would ask that you visit <https://weissworldofscience.weebly.com> and e-mail me the following statement:

*I, name, parent of child's name am aware that you have a website and have visited it with him/her/them .*

Information for your child's class will be under the *Science 9 Semester 2* tab. It is my hope that together we can make Science 9 a wonderful experience!

-Mrs. Weiss

Student signature: \_\_\_\_\_

Parent/Guardian signature: \_\_\_\_\_

Medical information (if applicable): \_\_\_\_\_

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