

# SCIENCE 9 COURSE OUTLINE

## GENERAL:

Science 9 continues to delve into the major fields of science, allowing students to investigate a number of different topics over the course of the semester. For many students learning in a laboratory setting can be quite rewarding, however, it is wise to be aware of the dangers that are ever present. We will address any safety rules and regulations as they apply.

**TEXTBOOKS:**     BC SCIENCE 9 & Connections 9

## APPROPRIATE MATERIALS FOR EACH CLASS:

Appropriate 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
2. Physics
3. Biology
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 in advance by e-mail. If advance notice is not possible, students must bring a NOTE (or send an e-mail) explaining the reason for missed assessment. All such notes (or e-mails) must have a TELEPHONE NUMBER where the signer can be reached.

## BIG IDEAS:

- The electron arrangement of atoms impacts their chemical nature (Chemistry)
- Electric current is the flow of electric charge (Physics)
- Cells are derived from cells (Biology)
- The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them (Ecology)

## CORE COMPETENCIES:

- Communication
- Thinking
- Personal and Social

## EVALUATION:

Your understanding of the **BIG IDEAS** in this course will be evaluated on your ability to express **CORE COMPETENCIES** in the following areas:

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

## CLASSROOM EXPECTATIONS:

1. Jackets, purses, backpacks etc are **NOT** permitted as they pose a safety hazard (keep these in your assigned locker)
2. **ELECTRONIC DEVICES** will be silenced and **put away** unless instructed otherwise
3. No sitting on desks or countertops
4. No contact lenses, open toed shoes, hats, dangling jewelry, ties etc on **lab days**
5. No sitting on desks or countertops
6. Absolutely NO FOOD or DRINK in the **lab**
7. **ASSIGNMENTS** are to be handed in at the **START** of class. Late assignments will not receive the detailed feedback that is given to those that are submitted on time.
8. Submitted assignments must be written in **pen** (unless a biological drawing, calculation or graph) and have the students **FULL NAME** (first and last), **DATE** and **BLOCK** in the top right-hand corner.

In an effort to facilitate the PARENT-TEACHER-STUDENT relationship that is integral to success in school, I have developed a weebly website. Please confirm that you are aware that this site exists (and to facilitate any necessary communication in the future) I ask that you visit <https://weissworldofscience.weebly.com> and then e-mail me [weiss\\_l@surreyschools.ca](mailto:weiss_l@surreyschools.ca) 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 toggle titled *Science 9*. 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): \_\_\_\_\_