SCIENCE 9 COURSE OUTLINE

We would like to recognize the unceded territories of the Esquimalt and Songhees Nations where we work, learn, and play.

Contact Information:

Teachers: Mr. Goode (he/him) **e-mails:** sgoode@sd61.bc.ca
Room: 315

Course Description:
In this class we will work to further develop our scientific attitudes, skills, and knowledge. This includes an emphasis on critical and creative thinking.

Competencies:

These threads run through our course:

- Core Competencies
  - **Thinking**
  - **Communication**
  - **Personal and Social**

- Curricular Competencies and Content

  - **CC1 - Processing, Analyzing, Evaluating** is:
    - Using observations (qualitative/quantitative) to create and generate data.
    - Organizing data into tables, graphs, infographics, and research.
    - Interpreting data to support and justify opinions and conclusions.
  - **CC2 - Planning, Applying and Innovating** is:
    - Planning then conducting safe and ethical experiments/research
    - Using previous experiences and ways of knowing to guide further research and exploration.
    - Connecting our understanding to new situations.
  - **CC3 - Questioning, Predicting and Communicating** is:
    - Asking questions based on observations.
    - Making clear hypotheses that reflect my prior knowledge.
    - Thoughtfully and thoroughly explaining my understanding of concepts, observations, and conclusions.
    - Collaborating and communicating with our classroom community toward furthering our understanding.
    - Communicating learning through a variety of means (written, verbal, graphical, etc.)

Materials Required:

Students are required to bring the following to class each day:

a) notes, binder, **supply of loose leaf paper**
b) pen, **pencil**, eraser, and ruler
c) coloured pens, or **pencil crayons,** or **highlighter**s

A **calculator** will also be useful during some units of the course.

Assessment:

Science 9 will be assessed using *competency based assessment*. This means that percentages will not be used during the semester. Instead the course has been divided into 4 curricular competencies through which student learning will be assessed. For each competency students will be assessed using the following scale:

PROFICIENCY LEVEL →			
Emerging (EM)	**Developing (DE)**	**Proficient (PR)**	**Extending (EX)**
The student is beginning to demonstrate basic knowledge in relation to the learning standards. Works with ongoing support	The student demonstrated some knowledge in relation to learning standards. Works with some support	The student demonstrated good knowledge in relation to the learning standards. Works independently	The student demonstrated knowledge beyond the learning standards. Works independent and can support the learning of others

Curricular competencies will be covered through the following activities:

a) **Notes, practice questions, and activity sheets** - These will be done in class, and handed in together on test days with a filled in Notes Rubric attached.

b) **Labs, Projects, and Assignments** - Largely submitted and marked over google classroom. Each one will cover one or more curricular competencies.

c) **Quizzes** - Small quizzes will be written throughout the course. These will be self-marked and used as practice for upcoming tests/assignments.

d) **Unit Tests** - Will be written at the end of each unit, and will cover all of the content for that unit through the four curricular competencies. Retests will be available for each section of each unit test, if the appropriate retest assignment is completed first.

e) **Final Exam** - Will be written at the end of the course and cover all previous content. This is your final chance to show any improvement in your understanding.

SCIENCE 9 TOPICS

Chemistry
- Chemical & Physical Change
- Atomic Theory
- Elements
- Ionic Compounds

Biology
- Cell Growth/Division
- Asexual/Sexual Reproduction

Physics
- Static Electricity
- Current Electricity

Ecology
- Ecosystems
- Energy Flow
- Human Impacts

Google Classroom:

We will also be utilizing **Google Classroom** for Assignment, Lab and Activities. All students will need an sd61learn account. If you do not have an account, go to sd61.bc.ca, then "Resources" top tab then "Student Accounts," and finally "Google Students Workspace for Education."

Chromebooks will be provided in class for access to the google classroom when needed.

Attendance & Absences:

If you miss a class, you can still stay caught up by checking what section we're covering, filling in your notes from the slideshows on the google classroom, and doing any activities in the notes package. If you know you will miss an upcoming class, talk to us about what you will miss beforehand so that you can work on it early.

- If you are late, please enter the class quietly without disrupting others. This will not be a problem unless it becomes a habit.

Extra Help:

I am available for extra help outside of classroom hours, the best time is before or after school, or during collaboration time on Tuesdays. Please pre-arrange a time to come in for help before things get too overwhelming and too difficult.

It is up to you to seek help before it becomes a problem. We strongly encourage you to ask us for help when necessary!

<u>Classroom Environment</u>:

1. Attend class regularly on time and get involved in your learning by **doing** rather than watching during discussions, notes and examples.
2. When entering the class, have books open and be ready to go **before** the second bell rings, so we can get started smoothly.
3. Show respect for your classroom, classmates, and teacher, and you will receive the same treatment in return.
4. If you have a problem with the course, see me for a mature discussion on the matter.
5. Bring all necessary materials **everyday**.
6. Please don't use foul language in the classroom.
7. Food and drink are not permitted as our class is in a Science lab. A drink in a closed container is allowable.
8. Bathroom breaks will be on a one at a time basis, and will not be a problem if they are not abused.
9. Please stay at your desks and keep your books open until the bell rings. You should be working on your assignment until class ends.
10. Try to be friendly and helpful to one another so that we build a positive learning environment where **everybody** feels comfortable.
11. Masks may be worn by some folks in our class for parts of (or the whole) semester. Please be respectful of other people's choices around mask wearing and be aware of other's comfort levels in terms of distancing and contact. We are all working together to keep our class safe and comfortable for everyone.

<u>Electronic Device Expectations:</u>

Since a large component of this course will be working with online resources, we will be using the school Chromebooks regularly. Students who would like to use their own tablet or laptop are welcome to, but cellphone use will not be allowed in the classroom.

ALL CELLPHONES WILL BE PLACED AT THE FRONT OF THE ROOM AT THE START OF CLASS AND CAN BE PICKED UP AT THE END OF THE BLOCK.

Attendance

Regular attendance is key to your ability to succeed in your classes. As a member of this school community, you are expected to ***attend class, every day, on time.***

Parents/guardians, please remember to contact the office to explain absences before hand, when possible.

Students, when you are absent for any reason, you are expected to check in with your teacher about making up missed work.

In order to support your being in class on a regular basis, absences will be addressed according to the following process:

Step 1

Understand your teacher's attendance policy. Refer to your course outline.

Step 2

After **3** unexcused absences, your parents/guardians will be notified by e-mail or by phone.

Step 3

The next unexcused absence will result in a referral to School Based Team*.

Step 4

Continued absences will result in a referral to administration, and a meeting with parents/guardians. Next steps will be determined at this meeting.