

SCIENCE 10 Course Outline

Teacher: Ms. Ignas
Classroom: 220

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Welcome to Science 10 @ Summer School 2021 - I'm looking forward to learning with you this Summer in Science 10!

The goal of Science 10 is to

- 1) strengthen your science literacy and communication skills
- 2) introduce you to some of the topics that you will study in your senior science courses

Course Content:

Science 10 addresses 6 main curricular competencies across 4 topic areas

Curriculum: <https://curriculum.gov.bc.ca/curriculum/10-12#s>

Unit #/Topic	Big Ideas
Science Skills:	<input type="checkbox"/> Safety
	<input type="checkbox"/> Observation and the Scientific Method
	<input type="checkbox"/> Science Reporting and Writing Skills
	<input type="checkbox"/> Metric System (7 Base Units)
1. BIOLOGY: Genetics	<input type="checkbox"/> Lab Safety/WHMIS/Lab Equipment
	<input type="checkbox"/> Genes are the foundation for the diversity of living things
2. CHEMISTRY: Chemical Reactions	<input type="checkbox"/> Chemical processes require energy change as atoms are rearranged
3. PHYSICS: Energy Transformations	<input type="checkbox"/> Energy is conserved and its transformation can affect living things and the environment
4. EARTH SCIENCE: Space Exploration	<input type="checkbox"/> The formation of the universe can be explained by the Big Bang Theory

Required Materials (to be brought to every class)

- | | |
|--|--|
| <input type="checkbox"/> Binder with lined & graph paper | <input type="checkbox"/> Pens, pencils, eraser and ruler |
| <input type="checkbox"/> Agenda (paper or electronic) | <input type="checkbox"/> Calculator |

Expectations: one rule only - do the right thing

- Treat yourself and others with kindness and respect
- Only leave the room if you have checked and confirmed that it is an OK with Ms. Ignas
- Keep personal electronic devices off & put away, unless otherwise directed by Ms. Ignas.

And most importantly: Own your learning. At the end of the day, YOU are the one who controls your success in this course. Stay on top of your work, recognize when you need to ask for help, and put in your best effort.

Website Web Link: <https://sd41blogs.ca/ignasv/>

Lates and Absences

Summer School courses move at a fast pace.

If you must miss a class, collect the notes and missed information from a reliable peer.

It is your responsibility to make up for missed work and or a test.

If you miss a test or quiz you will automatically receive a score of zero. To be considered eligible for a retest a signed note and contact phone number from a parent/guardian must be brought to school on the day that you return.

Assessment

In this course, you will take an active role in assessment and be responsible for your own learning. With the help of your teacher and classmates, you will develop the ability to understand what you have already learned, determine what you have yet to learn, and decide how you can best improve your understanding. I and fellow students will assess your work using Criterion referenced rubrics that clearly explain levels of achievement. Assignments will be submitted through Google Forms or as hard copies.

Deadlines

Assignments are due at the *start of* class on the given due date. Due dates are posted on the board, class website, and/or are announced during class well in advance - it is **YOUR responsibility** to ensure you accurately copy due dates into your agenda. Late assignments will be marked as late and will negatively affect your Approaches to Learning assessment.

If you require an extension for special circumstances, please ask **well in advance of the due date**.

Burnaby District SD#41 holds a zero tolerance policy for academic misconduct. Copied or plagiarized work will result in a mark of **ZERO** for all individuals involved and will be brought to the attention of parents and school administration.

Missed Tests

If you have an excused absence on a test day, you will be expected to write an alternate test/quiz when you return to school. **NOTE: Make-up tests are only available to students who have both sent an email in advance themselves and have also had their parent/guardian send a follow-up email or note.** If you are absent on the date of a checkpoint, you will miss the opportunity to write that checkpoint.

Evaluation

You will be evaluated using Standard Based Criteria. Each of the four criteria has an equal value:

CRITERION	WHAT DOES THIS LOOK LIKE?
A: Knowledge and Understanding	Unit Tests/Question Journal/Space Portfolio
B: Planning and Conducting	Lab Design/Lab conducting skills
C: Communicating and Innovating	Lab Analysis/Lab Conclusion
D: Questioning and Predicting	Research Projects, scientific essays, and video presentations

There will also be a cumulative in-class School Final Exam at the end of the Summer for Science 10.

Course Marks:

Tests/Quizzes: 60%

Labs/Projects/Notebook/Question Journal and Space Portfolio: 40%

Question Journal:

At the start of class I will have a question or prompt (a video/an article) on the board. You are expected to think about the content in the prompt and respond to it in your journal.

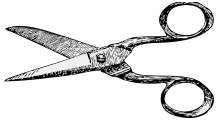
Your Question Journal is NEVER assessed on the "Correct Answer". Rather your question journal is an opportunity for you to explore what questions and ideas you have about the topic. It is an opportunity for you to do further research on the topic because you are genuinely interested.

Space Portfolio:

This is an opportunity for you to gather and present your best work in the Space Unit. We will work on the Space Unit for part of the course. The lab material will be available for you to work on throughout the course.

Extra Help

Please come and see me if you have questions or need extra help! I can be found in Room 220.



Please complete the form and return to Ms. Ignas. Thanks!

Name: _____ Date: _____ Session: _____

Name:	Preferred Pronoun:	Last:
I have read and understood the information in the Course Outline:	Yes:	Questions?:
My parents/guardians have read and understood the information in this Course Outline,	Yes:	Questions/Comments:
Contact Information: Phone: Email:	Phone:	email:
Date:		
Reason for enrolling in Science 10 Summer School & Anticipated Grade		
