

## SCIENCE 10 COURSE OUTLINE

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Room 240



### Units

1. Chemistry (Review, Compounds & Chemical Reactions)
2. Physics (Kinetic, Potential & Nuclear Energy)
3. Biology (Genetics)
4. Astronomy (Big Bang Theory)

<b>Unit Mark</b>	Labs, Assignments & Quizzes	40%
	Unit tests	60%
<b>Final Grade</b>	Unit Marks	80%
	Final Exam	20%

### **Classroom Expectations**

You will be expected to come to class **prepared** and on time. Prepared means bringing your textbook, a pencil, notes and homework to **every** single class. Students are expected to act in a mature, responsible manner. Students must demonstrate respect towards the teacher, their fellow students, themselves and the classroom. Anything less is unacceptable.

#### **Attendance**

Regular and punctual attendance are **essential** in math as daily practice with math skills will ensure the successful intellectual development of the learner. If you miss class **you** are responsible for work missed.

#### **Cell Phones**

Hand-held devices such as cell phones and tablets are a cause of severe distraction from your learning, and are therefore not permitted in class. Use of your device during class time will result in immediate confiscation. Students may leave their devices in their locker, their backpack or the hanging "Cell Phone Hotel" in the classroom.

**Problem-Solving** is an important life skill that will be further developed in Science 10. Clear criteria for organizing solutions to problems will be provided and it is expected that you will reference these criteria when submitting work for evaluation (labs, assignments, quizzes and tests and projects).

## Assessments

### Assignments

Graded assignments and quizzes will make up 40% of each unit. These include handouts, homework, lab reports and projects and there will be plenty of class time provided to complete these. Use your time wisely and make sure you hand in your assignments on time!

**Handouts and homework** are opportunities to practice applications of newly-learned concepts. They will be used mainly as a formative assessment. They will carry little in the overall grade but are an invaluable opportunity for learning. They will guide your learning by revealing what you understand now and what you will need to study in more detail. They will help guide my instruction as well. The most important assessments in this course will be the formative ones.

**Lab reports** will sometimes require a formal write-up and at other times, labs will be an informal activity. In either case, labs are an exciting and essential component of your learning in this course. For **assigned projects**, it is important to keep up with them! If there are unusual circumstances that prevent you from handing in an assignment on time, you must communicate with me in writing **BEFORE** the due date in order to be granted an extension. You may do so by email or a handwritten note, and you must include **why** you need an extension as well as **which date** you will hand in your assignment by.

### Quizzes

Quizzes serve as good “check-ins” to determine your learning of the concepts at different parts of a unit. Quizzes are designed so that you are aware of your strengths and weaknesses in a unit and will help you to improve any gaps in your understanding. Each unit will have 2-3 quizzes.

### Unit Finals and Re-tests

Unit final tests will be based upon the BC Ministry of Education curricular outcomes. A major exam will be given each unit and if you do well on assignments, quizzes and labs beforehand, you can expect to do well on tests.

Students will have the option to re-write **only one** unit test per term, and only **within 30 days** of the original test date. To be eligible, the student must see me for Extra Help at least twice. This will ensure that you will be successful on the re-test because the re-test grade will be the final grade. Re-tests may only be written at lunch or after school.

### Extra Help

If you are struggling with a concept, it is best to get extra help immediately, so that you can understand the next topic. I make every effort to be available for my students. Please see “Extra Help Hours” posted outside the classroom.

## Work Habits

Assessments of student work habits are reported on using the following Ministry descriptors and criteria:

	<b>NEEDS IMPROVEMENT (N)</b>	<b>SATISFACTORY (S)</b>	<b>GOOD (G)</b>	<b>EXCELLENT (E)</b>
<b>RESPONSIBILITY</b>	Most assignments missing, frequently not ready to work and learn.	Most assignments turned in, usually ready to work and learn.	All assignments turned in, ready to work and learn.	Demonstrates an industrious work ethic, ready to work and learn.
<b>COOPERATION</b>	Does not work well with other students or teacher(s).	Usually works well with other students and teacher(s).	Works well with other students and teachers, participates in class in a meaningful way.	A class leader exemplified by a high degree of positive and meaningful participation initiated by the student.
<b>INDEPENDENCE</b>	Needs on-on-one attention most of the time.	Often requires direction.	A self-directed learner, takes appropriate initiative and responsibility for learning.	A keen and enthusiastic learner actively seeking out personal growth and learning opportunities.

### **DTSS Science Department Philosophy**

The Science Department is committed to creating a learning environment that is safe and conducive to learning. We are also committed to ensuring that students have opportunities to demonstrate their best performance. This will look different depending on the course and teacher, but may include retests, opportunities to correct submitted work, and/or resubmission of course work.

We further believe that it is crucial for student success to receive timely and relevant feedback. We will make every effort to mark and return students' work to them quickly so that remarks on their assignments/tests have meaning to them. We ask that students respect this process and their peers by doing everything in their power to hand in assignments on their due dates.

In addition, students are asked to communicate with their teachers **in advance** if they will be unable to meet a specific deadline. These policies are designed to help develop students' responsibility and time management skills, and to foster a positive learning experience in all science classes.

## **SCIENCE 10 COURSE OUTLINE**

Signed:

\_\_\_\_\_  
(Student's name)

\_\_\_\_\_  
(Student's signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Parent/Guardian name)

\_\_\_\_\_  
(Parent/Guardian signature)

\_\_\_\_\_  
(Date)