



## Science 10

### COURSE OUTLINE

#### Overview

Science 10 is the last general science course a student will take, it covers the following topics: Safety; Scientific Method, Genetics, Evolution, Chemical Reactions and Processes; Transformation of Energy; Nuclear Energy and Radiation; Formation of the Universe. An emphasis will be placed on scientific inquiry, processes and techniques, data analysis, and the interactions of science and technology. Students are assessed through quizzes, labs/projects, learning guides and unit tests.

Prerequisites: None but successful completion of Science 9 recommended.

#### Course Content and Timelines

The timelines suggested are based on a 10 month Fall course September to June. Timelines should be adjusted based on each student's situation. If you are joining a course with less time left you will want to adjust your timing accordingly.

<b>Unit 1:</b>	<b>Biology 1.1 &amp; 1.2</b>	<b>(3 weeks)</b>
	<b>Biology 1.3 &amp; 1.4</b>	<b>(3 weeks)</b>
	<b>Biology 1.5 &amp; 1.6</b>	<b>(3 weeks)</b>
<b>Unit 2:</b>	<b>Chemistry 2.1 &amp; 2.2</b>	<b>(3 weeks)</b>
	<b>Chemistry 2.3 &amp; 2.4</b>	<b>(3 weeks)</b>
	<b>Chemistry 2.5 &amp; 2.6</b>	<b>(3 weeks)</b>

<b>Unit 3:</b>	<b>Physics 3.1 &amp; 3.2</b>	<b>(3 weeks)</b>
	<b>Physics 3.3 &amp; 3.4</b>	<b>(3 weeks)</b>
	<b>Physics 3.5 &amp; 3.6</b>	<b>(3 weeks)</b>
<b>Unit 4:</b>	<b>Astronomy 4.1, 4.2 &amp; 4.3</b>	<b>(3 weeks)</b>
	<b>Astronomy 4.4, 4.5 &amp; 4.6</b>	<b>(3 weeks)</b>
	<b>Astronomy 4.7 &amp; 4.8</b>	<b>(3 weeks)</b>

### Course Materials

No textbook is required. Course content is delivered on our Moodle platform by videos, online links and associated worksheets.

### Additional Websites

None specifically but you will be directed to other websites in the course of completing the learning guides and projects.

### Assessment Information

<b>Tests</b>	<b>30%</b>
<b>Quizzes</b>	<b>20%</b>
<b>Learning Guides</b>	<b>20%</b>
<b>Labs/Projects</b>	<b>30%</b>

### Tests

Each unit will have a unit test at the end of it. There is also a final at the end of the course. These are online tests written on the course website. The tests are password protected so you will need to sign up at one of our test centres to have a supervised writing. Please refer to our school website [www.deltaaccess.ca](http://www.deltaaccess.ca) and click on the “Book a Test?” tab for information.

### Quizzes

Each unit contains three quizzes. The quizzes are designed as a self assessment tool for students to demonstrate understanding of the course content and curricular objectives. These do not have passwords so you are free to write on your own and use multiple attempts to demonstrate mastery. The top mark for each quiz with multiple attempts will be the only one saved to your grades.

### Labs/Projects

Each unit contains a number of projects from which you choose to complete one. All instructions for the project are contained within the description along with information on how it will be assessed. Once the projects are complete they are to be scanned (if needed) and uploaded to the assignment submission box in Moodle for marking.

## Learning Guides

Each unit contains a learning guide. All instructions are contained within the description along with practice questions. Once the learning guides are complete they are to be scanned (if needed) and uploaded to the assignment submission box in Moodle for marking.

## Reporting

### Progress Reports

These are sent to both students and parents through the Moodle website. These reports are sent via email and are based on information provided on course introduction forms filled out. Please make sure your Moodle profile is up to date with this information to ensure these are received. If you need assistance with this, please contact your teacher to help you make sure you are getting these reports.

### Report Cards

These will be issued in late November, January, March, June and early August to meet the needs of post-secondary admissions. Students needing marks for post-secondary must complete the course within the guidelines provided by teachers so their marks are uploaded for transcripts.

These reports are available for Delta School District students on our student management system. For those not attending one of our high schools. Please call our Continuing Education office 604-940-5550 to receive a copy.

Only students who have done enough work to meet the activity requirement for the course will get report cards by the term deadlines outlined by their teachers. Even if you are getting progress reports you are not considered an active (official student) until this is met. **For Science 10, the Biology Learning Guide must be submitted and assessed for the activity requirement to be met.**

## Plagiarism

### **Plagiarism and Academic Dishonesty**

*Plagiarism is the unauthorized use or close imitation of the language and thoughts of another author and the representation of them as one's own original work, as by not crediting the author* (Dictionary.com) <http://dictionary.reference.com/browse/plagiarism>

Plagiarism can be done either intentionally or accidentally. Regardless, it is an academic offence that carries with it varying levels of consequences – from a mark of zero for work submitted to expulsion from the course and/or on-line program. Plagiarism takes various forms: copying another's work, not citing another's original work, cutting and pasting from the internet and claiming the work as your own, allowing other students to copy and submit your work as their own, and so on. It is YOUR RESPONSIBILITY to be aware of the rules around using and citing other people's work.

An excellent website that answers questions about plagiarism can be found at:

<http://www.plagiarism.org/>  
<http://www.grammarly.com/>  
<http://www.englishclub.com/writing/plagiarism.htm>  
<http://australianhelp.com/plagiarism>

If you are uncertain as to whether you may be plagiarizing someone's work, check with your teacher or consult the many websites that outline the rules.

If a student is found to have submitted plagiarized work, the Delta Access teacher will notify both the student and Delta Access administration to document the violation and to determine further consequences. Repeated occurrences of plagiarism will likely result in a final mark of "Failure" in the specific on-line course.

### **Contacting your Teacher**

Teachers will inform you of the best way to contact them once you begin your course.

If you have any concerns that can not be addressed by your teacher please contact Delta Access – [deltaaccess@deltasd.bc.ca](mailto:deltaaccess@deltasd.bc.ca) or call 604-599-6398