Science 10: Course Outline

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General:

* Science 10 is the third (and final) junior science course in the BC science curriculum.
* Like Science 8 and Science 9, Science 10 is a *survey course*. That means that we will look at many topics in limited detail. An overview of the topics covered is provided on the next page.
* This class contains quite a bit of new vocabulary that you will need to keep up on. It is very important that you attend all classes and keep neat organized notes!
* Beyond that **you will need to work**. I expect you to keep up with the material, as we will move quickly in order to complete the curriculum. I expect you to **ask questions as they arise**. Please try not wait until the end of a unit to decide that you don’t understand anything, by then it will be very difficult to catch up.
* Tests will follow each major unit. Quizzes will be mixed throughout. A missed test or quiz results in a score of zero.

Rules:

* Obviously all of the general school rules apply here as well, but here are my favourites.
1. No hateful language. I will not tolerate homophobic, racist or sexist language in my class.
2. No electronic gadgets. Turn your phone off, take you earphones out.
3. All bags, purses, large pencil cases, jackets, sweaters and any other miscellaneous debris/flotsam/jetsam must be kept off of the table tops.
4. No sleeping in class.
5. Be on time. When the second bell rings, you should be in your seat with all of your materials, a twinkle in your eye and a smile on your face\*.

Homework and Extra Help:

* Most of the work I assign is not for marks. The purpose of class work and assigned work is for YOU TO ASSESS HOW WELL YOU KNOW THE MATERIAL. It is crucial that you are getting help with problems as they arise.
* If you are having trouble with any of the ideas in the class or with a homework assignment, please come in for help. I am available after school on Mondays, Wednesdays and Thursdays and before school (from 8:00am) on Tuesdays and Fridays.

**\***Eye twinkles and face smiles are optional, but appreciated.

**Topic Chapters Weight in Grade**

 **(approximate)**

# **Scientific Method 20%**

Throughout the course we will discuss the importance of the scientific method. As well we will develop attitudes, skills and knowledge needed for a proper understanding of science and the technology it makes possible.

**Biology--Ecology 20%**

Biomes 1

Energy flow and nutrients 2

Change in Ecosystems 3

**Chemistry 20%**

Atomic Theory 4

Compounds 5

Chemical Reactions 6

**Radiation 10%**

Radiation and Nuclear Energy 7

# **Motion 20%**

Velocity 8

Acceleration 9

**Earth Science 10%**

Plate Tectonics 12

Mark Distribution:

 **Term 1 Term 2 Term 3**

# Tests and Quizzes 80% 80% 80%

Other (Labs, Classwork…) 20% 20% 20%

**Marks will be CUMMULATIVE.**