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| **Science 8 Course Outline**  **Ms. Sandhu**  Room: 205  Email: nsandhu@deltasd.bc.ca  Website: http://sciencesandhu.weebly.com/ |  | **Name: Date: Block:** |

Welcome to Science 8! The goal of this course is to help you build & connect your understanding of science in the context of your daily life. This course will introduce you to the wonders of cells, optics, atoms and the Earth’s geological systems. I’m looking forward to sharing the school year with you!

The following topics will be covered:

* Chemistry: Particle Model & Atomic Theory
  + The behaviour of matter can be explained by the kinetic molecular theory and atomic theory
* Biology: Cells & Micro-organisms
  + Life processes are performed at the cellular level
* Physics: Optics
  + Energy can be transferred as both a particle and a wave
* Earth Science: Plate Tectonics
  + The theory of plate tectonics is the unifying theory that explains Earth’s geological processes

**Required Materials:** Please bring the following to EVERY class

* Binder with lined paper and dividers for each unit
* Pencils, Pens, Erasers
* Calculator
* Ruler
* Agenda

**Evaluation:** Your overall grade for this course is cumulative and based on the following:

* Assignment/Labs/Projects 40%
* Quizzes 10%
* Tests 50%
* Final Lab Exam 15% (of overall mark)

Not all of your work will receive a traditional “mark”. Your work will occasionally be assessed based on the following rubric:

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| Incomplete or Not Meeting Expectations (X) | Student work is not yet meeting the goals or expectations of the assessment and demonstrates a lack of understanding of the underlying concepts. |
| Minimally Meeting Expectations (✓-) | Student work is approaching the goals or expectations of the assessment and demonstrates a weak understanding of the underlying concepts |
| Meeting Expectations (✓) | Student work meets the goals or expectations of the assessment and demonstrates a fair level of understanding of the underlying concepts. |
| Fully Meeting Expectations (✓+) | Student work fully meets the goals or expectations of the assessment and demonstrates a thorough and superior understanding of concepts. |

**Performance Standards for Work Habits**

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| **Behaviour** | **Good** | **Satisfactory** | **Needs Improvement** |
| **Attendance** | No unexcused absences | Some unexcused absences | Unexcused absences |
| **Punctuality** | On time to every class | One or two late arrivals | Frequently late to class and/or late by several minutes |
| **Preparation** | Always brings necessary materials to class | Occasionally has forgotten materials | Frequently does not bring materials |
| **Work Ethic** | Gets to work quickly; remains on task | Works well as directed and generally remains on task | Slow to get started, must be supervised constantly and closely or goes off task |
| **Attitude** | Shows interest in the class; offers constructive ideas | Is generally accepting of class work and displays a positive attitude | Often brings a negative attitude to class; complains and/or goes off task |
| **Participation** | Frequently offers productive ideas; works to support the activity in class | Takes part in activities; responds when called upon | Avoids taking part in class activities; rarely contributes to class or contributes negatively |
| **Homework** | Work is always completed; excellent quality is produced; evidence of home study for exams | Completes work most of the time to an acceptable quality; some evidence of home study for exams | Frequently incomplete, showing minimal effort; rare evidence of home study for exams |
| **Responsibility** | Often shows initiative; accepts feedback willingly and takes responsibility to improve; always present for due dates, scheduled presentations,and tests | Occasionally shows initiative; responds appropriately to feedback and makes corrections as directed; some absenteeism for due dates, scheduled presentations, and tests | Rarely shows initiative; responds poorly to feedback; avoids doing remedial work; frequently absent for due dates, scheduled presentations, and tests |

Please note that it will be class policy that if you display ***satisfactory*** work habits in two of more categories it will result in you receiving an ***S*** on your report card; if you display work habits that ***need improvement*** in two or more categories you will receive an ***N*** on your report card.

**Class Expectations**

1. **Class Conduct**

* Please be respectful of yourself, others and your learning environment at all times
* You must bring required materials to every class
* It is imperative that you keep class notes, handouts and other course materials **organized**. It will be very difficult to prepare any upcoming tests or labs if you do not have all of the documents from the year.
* It is expected that you participate in all class activities, regularly review course content and prepare for labs, quizzes and tests
* Extra help is always available. **Please self-advocate**

1. **Communication**

* If you need to reach me, please come and see me in room 205 or email me at nsandhu@deltasd.bc.ca. I will do my best to respond to emails as soon as possible, but I will not be checking my email regularly on evenings and weekends. Do not leave questions until the last minute. Remember that you are in control of your education, look out for yourself and your learning!

1. **Materials**
   * You must bring required materials to every class. It is imperative that you keep class notes, handouts and other course materials organized and in order. It will be very difficult to prepare for any upcoming tests if you do not have all of the documents from this year.
2. **Attendance & Missed Work**

* Regular attendance is essential to success a science course. Being in class allows you to follow the flow of the lesson and understand the overall processes and steps of each topic.
* If you miss a class, any homework that is not submitted due to an **excused** absence must be completed and submitted the first day back. It is **your** responsibility to consult the homework board and/or arrange a meeting with Ms. Sandhu as soon as possible.
* If you know of an upcoming absence, it is **your** responsibility to obtain the homework prior to that absence.
* Missed tests will need to be made up by the following flex time or at the teacher’s discretion.

1. **Electronics**
   * The use of electronic devices (cell phones, iPods, etc.) in the classroom is **NOT** permitted in class. If you require an electronic device for an activity, you will be informed in advance. Students who do not follow these guidelines will have their electronics confiscated for the remainder of the class or day, at the discretion of the teacher.
2. **Assignment Policy**
   * One of the most important things you can do to maximize your change of success is to develop good work habits. You will have homework most nights, but the course is designed so that a significant portion of your work can be completed in class. **It is expected that you will make the most of the time you are given.**
   * Please respect all given due dates. This course covers a lot of material and builds skills sequentially. While I will accept late assignments, any assignment submitted after the due date will affect your work habits mark.
   * Opportunities to improve your mark on an assignment will only be provided if the work was completed and submitted on time. All corrections must be done under the supervision of the teacher before the next assignment is handed in.
   * **Plagiarism or cheating** will not be tolerated. Students who submit plagiarized work will receiveno mark, their parents will be contacted and they will be referred to administration.