Prince of Wales Mini School Mrs. A. Power

# Science 9 (Mini)

# Course Outline 2019-2020

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**Texts:** *BC Science 9*

 *BC Science 10*

 *Biology* and *Physical Science* (enrichment texts)

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**Goals/Curricular Competencies**

To develop knowledge, skills and attitudes necessary for scientific literacy by:

* Questioning and predicting
* Planning and conducting
* Processing and analyzing data and information
* Evaluating, applying and innovating
* communicating

**Course Content/Big Ideas**

* **Safety/Processes of Science**
* **The electron arrangement of atoms impacts their chemical nature.**
* Atoms, Elements, and Compounds (Atomic Theory; Elements; Compounds) – Chapters 2 – 3.
* **Cells are derived from Cells**
* Reproduction (Nucleus; Mitosis; Meiosis) – Chapters 4 – 6.
* **Electric current is the flow of electric charge.**
* Characteristics of Electricity (Static Charge, Current, Voltage & Resistance; Circuits)

– Chapters 7 – 9.1.

* **The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.**

-Sustaining Earth’s Ecosystems (Matter Cycles, Solar Radiation, Sustainability)

– Chapter 1,2,10 (Grade 10 textbook).

**Equipment and Materials**

* 3-ring binder and paper (lined)
* writing materials (pencils, pens, eraser, white-out, ruler)
* scientific calculator
* student agenda

**Reporting: Proficiency Scale/Standard Based Grading**

A **Extending/Exemplary**: Sophisticated understanding

B **Proficient/Accomplished:** Complete understanding

C+,C **Developing**: Partial Understanding

C- **Emerging:** Initial Understanding

**Work Habits Mark**

* Please consult the attached Work Habit Rubric (Grid)

**Attendance and Absences**

* Regular attendance is an important part of success. If absent or late, YOU are responsible for the information and tasks missed. Check with a classmate, or Mrs. Power. Alternatively email Mrs. Power or check the blog! Remember that flex time is available to make up missed work or meet with your teacher if you need help!

# **Cell Phones and Personal Music Devices**

* In general, the use of cell phones and personal music devices are not permitted in the classroom, as they can result in a disruption of student learning. Please make certain that these devices are on silent mode and out of sight. Occasionally, I may permit the use of cell phones for instructional purposes (stop-watch, photography, research, etc.).

**Extra Help for Students**

* Please come by and ask questions. I can be found in my classroom (Mini 1 or Mini 4)
* For extended assistance, I’m available after school by appointment.

**Expectations**

The success of this class rests on the ability of all students to create a supportive and productive learning environment. It is essential that students are willing and able to work on the following aspects of personal character:

# *Honesty*

# *Respect*

## Responsibility

Prince of Wales Mini School Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Work Habits Mark

Each student will receive a work habits mark for this course within each report card. The following rubric includes the criteria that will be used to make this evaluation. This rubric will be printed on the back of your report card (as stipulated by the BC Ministry of Education).

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Responsibility** | **Cooperation** | **Independence** |
| **Excellent****(E)** | * Demonstrates an industrious work ethic, ready to work and learn.
 | * A class leader exemplified by a high degree of positive and meaningful participation initiated by the student.
 | * A keen and enthusiastic learner actively seeking out personal growth and learning opportunities.
 |
| **Good****(G)** | * All assignments turned in, ready to work and learn.
 | * Works well with other students and teachers, participates in class in a meaningful way.
 | * A self-directed learner, takes appropriate initiative and responsibility for learning.
 |
| **Satisfactory (S)** | * Most assignments turned in, usually ready to work and learn.
 | * Usually works well with other students and/or teacher.
 | * Often requires direction.
 |
| **Needs Improvement** **(N)** | * Most assignments missing, frequently not ready to work and learn.
 | * Does not work well with other students and/or teacher.
 | * Needs one-to-one attention most of the time.
 |

Note: one unsatisfactory work habit mark (Needs Improvement) in a given reporting period disqualifies a student from the Principal’s List and the Honour Roll.