Prince of Wales Mini School Mrs. A. Power

# Science 8 (Mini)

# Course Outline 2017-2018

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**Texts:** *BC Science 8*

 *BC Science 9*

 *BC Science 10*

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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/Science Fair**
* **Life Processes are performed at the cellular level:**

-Cells and Systems (The Cell; The Immune System)

– Chapters 1, 3.

* **Energy can be transferred as both a particle and a wave:**

**-**Optics (Properties of Light; Optical Systems; Human Vision) – Chapters 4 – 6.

* **The behaviour of matter can be explained by the kinetic molecular theory and atomic theory:**

**-**KMT & Atomic Theory (KMT; Atomic Theory; Parts of an Atom)

 – Chapter 1 (Grade 9 textbook).

* **The theory of plate tectonics is the unifying theory that explains Earth’s geological processes.**

**-**Plate Tectonics (PT Theory, Geologic Events)

 – Chapter 12 (Grade 10 textbook).

* **Space/Formation of the Universe** (If Time, Grade 10 curriculum)

– Chapters 11 & 12 (Grade 9 textbook).

**Equipment and Materials**

* 3-ring binder and paper (lined)
* writing materials (pencils, pens, eraser, white-out, ruler)
* scientific calculator
* student agenda
* your curiosity and enthusiasm for science!

**Reporting: Proficiency Scale**

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