

Course Description:

Welcome to Science 9 with Mr. Romswinckel. Our goal in this course is to provide you with a good understanding of some of the basic concepts of science to increase your critical thinking and problem-solving skills and to meet the required curricular competencies for this course.

Course Content:

Scientific Method: Concepts within, and application of, the *Scientific Method*

Writing in Science: Learning how to write persuasively using gathered scientific evidence

Atoms: Electron Arrangement In Atoms Alters Their Chemical Nature
-Understanding the arrangement of elements in the Periodic Table
-Electron arrangement determines compounds formed by elements

Cells: Cells Are Derived From Cells
Asexual Reproduction- mitosis & other forms
Sexual Reproduction- meiosis & human sexual reproduction

Electricity: Electrical Circuits
-Electron flow in an electrical circuit
-Voltage, Resistance and Current in a circuit

Energy: Energy Cycles in the Biosphere, Geosphere, Hydrosphere & Atmosphere
-Effects of Solar Radiation
-Movement of matter within the biotic and abiotic ecosystem components
-Complex systems and their sustainability

Expected Curricular Competencies To Be Met:

- | | |
|---------------------------------------|---|
| -Questioning & Predicting- | Observations, Formulating Hypotheses |
| -Planning and Conducting- | Design & Plan Experimental Investigation |
| -Process/Analyze Data- | Interpret Patterns, Draw Conclusions, Cause & Effect |
| -Evaluating- | Identify Experimental Errors & Question Results |
| -Application/Innovation- | Apply Gained Knowledge Toward Real Issues |
| -Communicating- | Formulating Valid Arguments Using Scientific Language |

Marks Distribution:

Projects	20%
Quizzes	20%
Exams	40%
Vocabulary Journal	20%

Textbook: BC Science 9 "Connections" (2016)

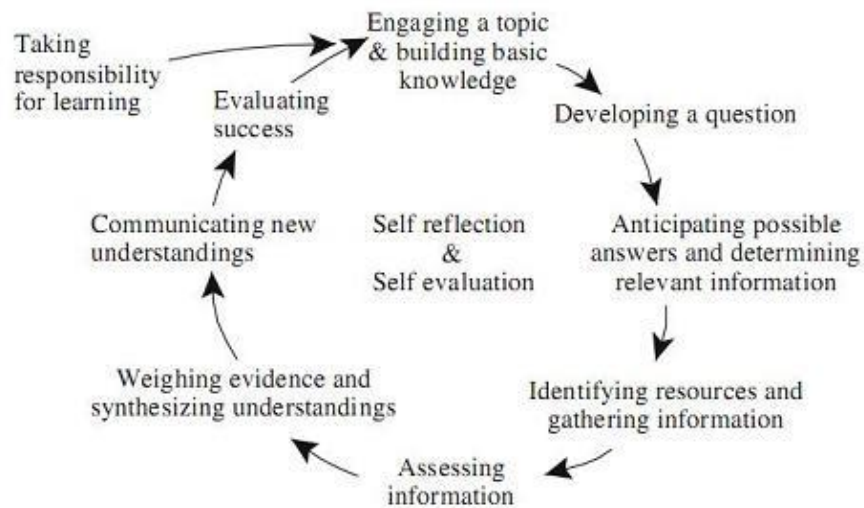
Grading Scale Used: (lowest to highest)

"EM" = Emerging "D" = Developing
"P" = Proficient "EX" = Extending Learning

Marks are not awarded for "Intentions." Marks are given for actual and verifiable results.

This is an Inquiry Based Learning Course

Inquiry Based Learning (IBL) starts with you, the student, taking responsibility for what you learn starting with a question, gathering and analyzing resources and then communicating newly formulated arguments. Below is a diagrammatic outline of the IBL process.



Attendance Policy

*The only absences that are recognized will be "Excused Absences" as per MyEdBC. Do not bring in a note. If your parents/guardians can write a note they can also call into the office.

*It is your responsibility to find out what notes, handouts or assignments you have missed when you come back from an absence.

*If you have an excessive amount of absences in this class it will be difficult to "catch-up"

*Understand that some Inquiry Based Physics Activities cannot be "made-up" (**ie:Plan Ahead**)

*If you are absent for a quiz you need to make sure your parents/guardians call the office to "excuse" your absence. If this is done the very next quiz mark will replace the No-Mark. This accommodation can only be used one time per quarter.

* If you are absent for an exam you will be offered the opportunity for a make-up exam if I can talk with a parent or guardian about your absence. **Only one exam can be "made-up"**

* The only day for make-up exams is **Thursday, January 28, 2021 at 9:00am** in this room. This is the only day and time a make-up exam is offered and only one exam can be made up.

Important Dates

December 14th Interim Marks Issued

December 21st Last Day Before Break

January 4th First Day Back From Break

January 27th Last Day of Quarter 2

January 28th 9:00am Make-up Session (by invitation only)