**Science 8 Course Outline 2021 -22** **Byrne Creek Secondary**

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Website: <https://www.wilsonswebpage.com>

Room: B108

Textbook: BC Science 8





**SKILLS YOU WILL BE DEVELOPING:**

* QUESTIONING AND PREDICTING
* PLANNING AND CONDUCTING collaboratively plan investigations. Measuring and recording data. Use appropriate SI units and perform unit conversions.
* PROCESSING AND ANALYZING Data and Information
* EVALUATING sources of error and suggesting improvements. Identifying bias. Identifying social, ethical, and environmental impact.
* APPLYING AND INNOVATING new ideas when problem solving. Co-operative design projects
* COMMUNICATING ideas using correct scientific language

**TOPICS WE WILL BE EXPLORING:**

* **Chemistry:**  The behavior of matter can be explained by the kinetic molecular theory and atomic theory
* **Biology:**  Life processes are performed at the cellular level
* **Physics:**  Energy can be transferred as both a particle and a wave
* **Ecology:** The theory of plate tectonics is the unifying theory that explains Earth’s geological process.

**HOW YOU WILL BE ASSESSED:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Emerging (EMG)**  | **Developing (DEV)** | **Proficient (PRO)** | **Extending (EXT)** |
| With support, I can understand the basic ideas of this course. | I can understand the basic ideas of this course and have some basic skills | I fully understand the bid ideas of this course and can explain concepts and problem-solve with ideas.  | My work is exceptional and detailed. I can demonstrate high level of critical thinking and analysis, and make meaningful connections between ideas.  |

**MARKS BREAKDOWN:**

|  |  |
| --- | --- |
| Tests and Quizzes | 65% |
| Projects | 15% |
| Assignments (labs and homework) | 10% |

**CLASSROOM EXPECTATIONS:**

1. **SOCIAL RESPONSIBILITY**:
* Treat others and your environment with kindness, dignity and consideration. Be kind. Be helpful. Be safe.
1. **PERSONAL RESPONSIBILITY**:
* **Be present:** Attend class, be on time, ready to learn, with all necessary materials, engage in the lessons.
* **Follow all safety procedures**.
* **Be responsible for your learning**: Stay on top of your work, recognize when you need to ask for help, and do your best.
* **Absences** must be excused by a parent/guardian who calls the office before school starts on the day you are absent. Students who miss a class are responsible to find out what was missed and get caught up in a timely fashion by checking the schedule at[**http://www.wilsonswebpage.com**](http://www.wilsonswebpage.com)**.**
* **Cell phones:** Cellphones are not permitted during instructional time and are expected to be left in your backpack and turned off during class time. *Students caught using a device during instruction may have it removed from their person and placed on the white board ledge until the end of class.* Students may use cell phones to listen to music during independent work time only after asking for teacher permission