Life Science 11  **Byrne Creek Secondary**

Ms. Wilson: tammy.wilson@burnabyschools.ca

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

Room: B108



**SKILLS YOU WILL BE DEVELOPING:**

* Exploring scientific questions through activities, experiments, and research
* Building scientific arguments using evidence and reasoning
* Planning and conducting experiments or designing models
* Processing and analyzing data and information
* Evaluating the validity of a model
* Asking critical questions about scientific claims
* Applying and innovating to find solutions through inquiry
* Communicating science ideas and information orally, in writing, and using technology

**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 big 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.  |

**BIG IDEAS**

Life is a result of interactions at the molecular and cellular level

Evolution occurs at the population level

Organisms are grouped based on common characteristics

**TOPICS WE WILL BE EXPLORING:**

* Cell Structure and Function
* Energy Transformation in cells
* Sexual and Asexual Reproduction
* Forms and Evidence of Evolution
* Taxonomic Principles for classifying organisms
* Trends of Complexity among various life forms
* Similarity and differences between domains and kingdoms

**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. If you miss a test, you will need to bring a note from your parent/guardian justifying the absence and schedule a time with the teacher when to write the test. If you miss a class, you 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