**Welcome to Grade 9 Science!**

St. Mary’s Catholic School

Mr. Allison ([shawnallison@gpcsd.ca](mailto:shawnallison@gpcsd.ca))

Website: www.slallison.weebly.com

**You will need the following supplies:**

* 3 ring binder with lined paper
* Pens, pencils, ruler, eraser
* Scientific calculator
* The Key Study Guide (Recommended Resource – you can buy it at Coles for approx $30)

**Classroom Expectations**

1. This classroom will revolve around Mr. Allison’s three R’s:
2. **Food and Drinks**: ***no*** food allowed and only drinks with lids are allowed in the classroom. You will need to come ***ready*** for class with these items; you will ***not*** be allowed to leave class to get them.
3. **Assignments/Labs:** will be due the beginning of the next class unless I tell you otherwise. All late assignments will be accepted. It is your ***responsibility as a student*** to make me aware of any problems you are having with assignments or course material.
4. It is your ***responsibility as a student*** to have someone in the class that will gather the assignments for you if you miss a class.
5. **Absences:** Please see the student manual for the school policies about lates and absences. If you have an excused absence that does not mean you are automatically excused from the work, you need to come see me. It is the students responsibility to find out what they have missed.
6. **Plagiarism, cheating, and academic misconduct**: Please see the student manual for the school policies regarding these issues.
7. **Cell phones and music players:** All cell phones must be turned off during class. If you are observed using a cell phone during class it will be taken away and you will have to retrieve it from the Principal at the end of the day. Music players are allowed at a low volume during ***individual*** work time only.
8. **Lab:** there will be strict rules regarding lab procedures that will be discussed thoroughly in class. These rules are put in place for your safety and for that of your classmates. Any misconduct during labs will result in you losing your lab privileges for that particular lab and you will have to complete the “paper” version of the lab.

**Unit Outline and *Tentative* Schedule:**

**Unit A: Biological Diversity**

* Chapter 1 – Diversity, Interdependence, Variation
* Chapter 2 – Variation, Sexual and Asexual Reproduction
* Chapter 3 – DNA, Cell Division, Inheritance
* Chapter 4- Traits, Impact and Reduction of Biological Diversity

**Unit B: Matter and Chemical Change**

* Chapter 1 - Safety Matter
* Chapter 2 – Theories of Matter, Elements, Periodic Table
* Chapter 3 – Naming Ionic and Molecular Compounds
* Chapter 4 – Chemical Reactions, Conservation of Mass

**Unit C: Environmental Chemistry**

* Chapter 1 – Chemicals, Acids, Bases, Substances
* Chapter 2 – Water, Air, and Atmosphere Quality
* Chapter 3 – Transport, Concentration, Hazardous Chemicals

**Unit D: Electrical Principles and Technology**

* Chapter 1 – Static and Current Electricity, Safety, Cells, Batteries
* Chapter 2 – Flow, Measuring Electricity
* Chapter 3 – Forms and Transformations, Input and Output
* Chapter 4 – Sources and Alternatives, Electricity and Environment/Society

**Unit E: Space Exploration**

* Chapter 1 – Cosmos, Technology, Matter in Space, Planets
* Chapter 2 – Transport, Survival
* Chapter 3 – Telescopes, Distance
* Chapter 4 – Risks and Dangers, Canadian Contributions, Issues in Space Exploration

**Course Evaluation**

Assignments Quizzes and Labs 25%

Projects 60 %

Unit Exams 15%

Final Exam – 10% in Term 2

(Provincial Achievement Exam) \_\_\_\_\_\_\_\_\_

100%

**Remember: As your teacher, I am here for you. I care very much about you as an individual student. I will do my best to help you learn the content of this course, but in order to succeed you need to work hard and be responsible as a student. Above all, relax, enjoy, and have fun while you learn!**