# Classroom Routines and Procedures
# General Science

1) Always follow instructions the first time.

2) Treat others with respect and you will be treated with the same. Do NOT treat someone without respect and expect to be treated with respect.

3) Eating food, having candy, drinking pop, etc. in the classroom is not permitted. Gum is allowed as long as it is not distracting.

4) Bring all of your materials that you will need to the classroom. You will NOT be allowed to retrieve classroom materials once the tardy bell rings. This includes notebooks, textbooks, writing utensils (pen or pencils), etc.

5) Late work is not expected. Special situations may arise and will be handled at Mr. Fox's discretion. If an assignment is not completed on time, the student will have until the end of the day to turn it in for a late grade (60%). *All late assignments will be at 60% credit.* If the assignment is not turned in the next day a Problem Solving will result and the WEBSS process will begin.

6) If a student is absent it is the student's responsibility to complete any assignment that was missed. The Student Handbook will be followed for this work to be turned in.

7) Each student will have an assigned seat and should be in that seat when the second bell rings. See the Student Handbook for the policies covering tardies and absences.

8) Talking in class is not permitted. Permission to talk in class can be attained by raising his / her hand and getting permission from Mr. Fox.

9) Locker and restroom passes will not be given unless an emergency arises.

10) When class time is given to students to work on an assignment, it is expected that the student work on that assignment until it is finished.

11) Students can leave when Mr. Fox dismisses them. That isn't always when the bell rings.

# Grading System for General Science

In this class total points will be used to figure the percentage grade earned by the student. Some of the assignments that will be given have point values as follows:

| | |
|---|---|
| Test* | 100 points |
| Daily Work | 10 Points |
| Labs | 25 points |
| Quizzes* | 15 to 25 points |

*Any Test or Quiz that is failed will be retaken. The average of the two grades received will be the grade recorded. Students will need to make arrangements before school for these to be retaken. Any missing assignment will be turned in before retakes will be given.

- Other assignments might fall under these major categories and those will be specified when the assignment is given.

- This is just a general guideline for how this class will be graded. Points could vary from assignment to assignment.

-The percentage grade will be computed from the total points the student earns and divided by the total points that are available. The grading scale described in the handbook will then be used for further recording (School Records).

**Grading Scale**

| Grade | Percentage |
|---|---|
| A+ | 98-100 |
| A | 95-97 |
| A- | 93-94 |
| B+ | 90-92 |
| B | 87-89 |
| B- | 85-86 |
| C+ | 82-84 |
| C | 79-81 |
| C- | 77-78 |
| D+ | 75-76 |
| D | 72-74 |
| D- | 70-71 |

# General Science
# Topics and Syllabus

## *First Semester*

**Unit – Introduction to Science**

***Essential Learnings:*** *Scientific Inquiry, Nature of Science*

**Chapter 1 Introduction**
- Section 1 The Nature of Science
- Section 2 The Way Science Works
- Section 3 Organizing Data

**Unit -- Earth**

***Essential Learnings:*** *Earth in Space, Earth's Structure/Processes, Energy in the Earth's Systems, Earth's History*

**Chapter 20 The Universe**
- Section 1 The Life and Death of Stars
- Section 2 The Milky Way and Other Galaxies
- Section 3 Origin of the Universe

**Chapter 21 Planet Earth**
- Section 1 Earth's Interior and Plate Tectonics
- Section 2 Earthquakes and Volcanoes
- Section 3 Minerals and Rocks

**Chapter 22 The Atmosphere**
- Section 1 Characteristics of the Atmosphere
- Section 2 Water and Wind
- Section 3 Weather and Climate

**Chapter 23 Using Natural Resources**
- Section 1 Organisms and Their Environment
- Section 2 Energy and Resources
- Section 3 Pollution and Recycling

**Unit – Energy**

***Essential Learnings:*** *Energy, Technology*

**Chapter 13 Work and Energy**
- Section 3 What is Energy?
- Section 4 Conservation of Energy

**Chapter 14 Heat and Temperature**
- Section 1 Temperature
- Section 2 Energy Transfer

## *Second Semester*

**Chapter 15 Waves**
- Section 1 Types of Waves
- Section 2 Characteristics of Waves
- Section 3 Wave Interactions

**Chapter 16 Sound and Light**
- Section 2 The Nature of Light

**Unit -- Matter**

***Essential Learnings****: Matter*

**Chapter 3 States of Matter**

Section 1 Matter and Energy

Section 2 Changes of States

**Chapter 4 Atoms**

Section 2 The Structure of the Atom

**Chapter 6 The Structure of Matter**

Section 2 Ionic and Covalent Bonding

**Unit – Force**

***Essential Learnings:*** *Force/Motion*

**Chapter 11 Motion**

Section 1 Measuring Motion

Section 2 Acceleration

Section 3 Motion and Forces

**Chapter 12 Forces**

Section 1 Newton's First and Second Law's

Section 2 Gravity

Section 3 Newton's Third Law

**Requirements:**

All students will be required to keep a 3-Ring Binder with all their classroom materials in the binder. This binder will hold the student's Vocabulary Word List, Notes, Classroom Assignments and Activities, Labs, Quizzes, and Reviews. This notebook will be graded at the end of every chapter. Also, every student will need a calculator for class. With the Physical Science topics in the 1st Semester, there will be plenty of math concepts covered in this course.

**Bell Work**

Everyday at the beginning of class, you will be expected to do bell work. The bell work will consist of Vocabulary Work, Class Discussion, or other Classroom Activities. At the end of first 5 minutes of class 3 students will be called upon to give their definition and we will discuss the meaning of the word in class. At the end of each week a quiz will be given over those words.