

**Course Syllabus 8<sup>th</sup> Grade Science**  
**Mrs. Bailey**  
**Pansophia Academy**

**Course Overview**

- Scientific Problem Solving
- Unit 1: Motion and Energy
  - Chapter 1: Describing Motion, Chapter 2: The Laws of Motion, Chapter 3: Energy, Work, and Simple Machines, Chapter 4: Sound and Light
- Unit 2: Interactions of Matter
  - Chapter 5: Thermal Energy, Chapter 6: States of Matter, Chapter 7: Understanding the Atom, Chapter 8: Elements and Chemical Bonds, Chapter 9: Chemical Reactions and Equations, Chapter 10: Mixtures, Solubility, and Acid/Base Solutions
- Unit 3: Understanding the Universe
  - Chapter 11: The Solar System, Chapter 12: Stars and Galaxies
- Unit 4: Earth and Geologic Changes
  - Chapter 13: Minerals and Rocks, Chapter 14: Plate Tectonics, Chapter 15: Earthquakes and Volcanoes, Chapter 16: Clues to Earth's Past, Chapter 17: Geologic Time
- Unit 5: Exploring Ecology
  - Chapter 18: Interactions with Ecosystems, Chapter 19: Biomes and Ecosystems, Chapter 20: Environmental Impacts
- Unit 6: Heredity and Human Body Systems
  - Chapter 21: Interactions of Human Body Systems, Chapter 22: Heredity and How Traits Change

**Textbook**

We will be using the Integrated Science Textbook from McGraw Hill.

**Grading Procedure**

We will be using the standard Pansophia Academy grading scale. Late work will be penalized and must be turned in within two days of the assigned due date to get credit and must be confirmed with the teacher. All work must meet ELA quality standards.

- Each Semester is broken down into percentages:
  1. Quarter I: 40%
  2. Quarter II: 40%
  3. Semester Final: 20%
- Each Quarter is graded on Assignments and Assessments:
  1. Assignments: 40%
  2. Assessments: 60%

**Retakes/Correctives**

- Late Work:
  1. Will only be accepted late when accompanied by teacher/student

conversation giving permission to hand in late work.

2. Two days is the maximum number of days allowed to turn in late work. Anything after will be graded as a zero. (may have a penalty along with it; i.e. 25% reduction)

- See me for redo work on assignments; depending on the situation I may or may not let you redo an assignment.
- If you are absent, it is YOUR responsibility to get all missing work from the teacher.

**Supplies needed to be prepared**

**Students will need a 3 ring binder to keep their work in for the school year.**

**Reading book- REQUIRED for tests and quizzes.**

2 pencils or blue/black ink pen

Highlighter or colored pencils

**Classroom Standards/Expectations**

Students will use Language Arts standards (MLA) for written work. Students are expected to come to class prepared, ready to learn, willing to help peers, and contribute to class.

***I like to communicate by email as much as possible. Do not hesitate to contact me with any questions or concerns.***

Feel free to contact me either by phone at (517) 279-4686, ext. 1204, or email at [tbailey@pansophia.us](mailto:tbailey@pansophia.us).

***Google Classroom will be utilized for classwork and communication.***

This syllabus is subject to change.

**Please sign and return to indicate you have read the syllabus.**

Parent \_\_\_\_\_

Student \_\_\_\_\_

Parent preferred email \_\_\_\_\_