

**Integrated  
Science 1  
2022-2023**

**Megan Woods**  
mwoods@mcpsmt.org

**Room #  
Varies**

### **Course Description:**

**The focus of this class is learning! Your grades will be based on your understanding of the science standards associated with this class.**

The central theme of Integrated Science 1 is the evolution of the Earth and the integral role the human species has within that system. The Earth is dynamic and we will be studying how the different "spheres" of Earth interact with one another. Units will include: Earth Systems Science, ABC (Astro-Bio-Chem), and Integrated Evolution of Earth and Life.

### **What You're Going to Need:**

- **Composition Notebook** (This will be an integral part of the class. It will be organized in a very specific way)
- **Folder**
- **Writing utensils** (pens & pencils)
- **Optional** (these will be provided for you but it may be handy to have your own)
  - **Glue stick or scotch tape**
  - **Colored pencils**

### **Overview of Units/Content:**

- Earth Systems Science
  - Experiment basics
  - Slevin Island
  - Ecology and Earth Systems
- Cosmic Evolution
  - Astro-Bio-Chem (ABC)
  - Electromagnetic Radiation
  - Photosynthesis
- Integrated Evolution of Earth and Life
  - Plate Tectonics
  - Biological Evolution
  - Stream dynamics
- Resources, Sustainability & Biology



### **Google Classroom**

We will use google classroom at some points in the year. Mainly I will use it to communicate with you, to post links to websites, and have a place to turn in research projects. You have been invited to my google classroom. Please check your email and accept that invitation.

- **Late work:** all work is expected to be turned in on time. If you miss turning in an assignment, it will be marked as a zero in the gradebook until it is turned in. You will have until the end of unit to turn in any missing work. You will not be docked points for late work.
- **Absent work:** when you are absent it is your responsibility to find out what you missed and get caught up.
- **Revisions/Lab makeups:** All formative assessments can be revised before a summative assessment.
  - If you need additional help or reteaching of material in order to revise or makeup work, please schedule a time to conference with me during zero period or advisory.
  - Labs may be revised and turned in at any time, however if you need to get lab data or reperform the lab there will be a very specific time frame in which you can make up the lab or have arrangements made with me to get a copy of the data.

## Grading Policy

In this class we will be using Standards Based Grading. All grades will be based on student's understanding of given learning targets on a 1-4 scale.

This is a **weighted class**. 20% of your grade will be based on **formative assessments** (everyday work, labs, quizzes). 80% of your grade will be based on **summative assessments** (tests, larger projects, cumulative notebook checks).

### Grading scale

**A = 4 (85%+)** Advanced: Full comprehension with enriching details

**B = 3 (70%)** Proficient: Mastery of target, without advanced details

**C = 2 (50%)** Basic: General understanding of main ideas

**D = 1 (35%)** Novice: Shows little understanding of target

## Classroom Rules

1. **Safety:** First & always
2. **Be prepared:** Be on time, have your materials, be in your seat doing warm-up work when bell rings (or run the risk of being marked tardy.)
3. **Respect:** Use appropriate language & respect others always (physically, verbally, & on all levels).
4. **Cell phones:** Must be silenced & put away unless indicated otherwise.
5. **Academic Honesty:** All work in this class is expected to be your own. If you cheat or plagiarize work, you will be given a zero until the work is completed honestly. I will contact your parents and fill out a discipline referral.

## Consequences

1. Verbal warning
2. After class conference and potential email/call to parents
3. Discipline referral and call home to parents