

# Miss Hardin – Room 16

## *7<sup>th</sup> Grade Science*



The seventh grade science room is a place for exploration, experimentation, and discovery. This year, students will be covering the following topics:

### **Physical Science**

#### Conservation of Mass and Energy

This topic focuses on the empirical evidence for the arrangements of atoms on the Periodic Table of Elements, conservation of mass and energy, transformation and transfer of energy.

### **Earth and Space Science**

#### Cycles and Patterns of Earth and the Moon

This topic focuses on Earth's hydrologic cycle, patterns that exist in atmospheric and oceanic currents, the relationship between thermal energy and the currents, and the relative position and movement of the Earth, sun, and moon.



## **Life Science**

### Cycles of Matter and Flow of Energy

This topic focuses on the impact of matter and energy transfer within the biotic component of ecosystems.

We hope to take a class field trip to COSI in Columbus, Ohio this spring with the seventh grade class.

## **Grading**


This class takes a hands-on approach to learning and is project-based. That means that students will be doing plenty of group work, analyzing, and following the scientific method to conduct and complete labs and experiments.

With each project, students will be given a rubric that specifically breaks down each portion of what I will be looking for, and will also have a comments section for why they were graded in a particular way. Depending on the project, students may be graded on how well they worked with and participated within their group.

Grades will be posted weekly on GradeLock so students may keep up with their personal progress.

## **Demerits**

Students may receive a demerit for a missing or incomplete assignment, being rude or disruptive in class, or any other minor infractions. Once a student has accumulated five class-related



demerits (forgetting his/her science book, homework incomplete, missing assignment, uncharged or forgotten Chromebook), he/she will receive a lower effort grade. Likewise with conduct, once a student has accumulated five behavior-related demerits (being rude, disruptive, talking when not supposed to), he/she will receive a lower conduct grade. This system will only be put in place within room 16.

We hope to have a great year!