**Mount Hebron High School**

**9940 Old Frederick Road • Ellicott City, MD • 21042 • 410-313-2880 • Fax: 410-313-2543**

**Course Title:** Earth and Space Science G/T

**Teachers’ Names:** Matt Gittermann

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**Course Description:**

Earth Science explores the inside of the Earth, its atmosphere, and beyond. All the while touching on geology, meteorology, and astronomy.

**Office Hours:** 3rd Period (9:19-10:09)

6th Period (1:20 – 2:10)

\*Before and after school in room 240 by appointment or teacher announcement

**Required Texts, Supplies & Learning Materials:**

* + Earth Science, Holt
  + Three ring notebook (can be left in the classroom on most days)
  + 3-5 Dividers

**Learning Objectives/Outcomes:**

**By the end of the school year, students will be able to:**

* Describe and classify materials that make up Earth and apply their ever changing properties using the Rock Cycle
* Describe the history of the Earth using the Theory of Plate Tectonics and relative dating principles
* Describe the components and relationships found within the atmosphere and hydrosphere
* Describe the components, properties, and formation of various bodies with space and our solar system

**Classroom Expectations:**

1. Students will arrive to class and begin the drill, at the beginning of class as designated by the bell
2. Students will work at their lab stations during a lab activity
3. Students will act, behave, and talk respectfully to each other and the teacher
4. Students will follow all directions of the teacher and rules set forth by Mount Hebron High School and the Howard County Public School System

**Consequences:**

1st Offense: Student/Teacher Conference

2nd Offense: Parent Contact

3rd Offense: Disciplinary Referral

\* Serious offenses may skip to most serious consequence if necessary

**Specific Infractions:**

1. Lateness to Class Policy:

1st Offense: Student/Teacher Conference

2nd Offense: Parent Contact

3rd Offense: After School Detention

4th Offense: Disciplinary Referral

Further Offenses: Administrative Discretion

1. Cutting Class Policy:

1st Offense: Parent Contact/Detention

2nd Offense: Parent Contact & Saturday School

Further Offenses: Administrative Discretion

1. Cellphone Policy:

As a “Bring Your Own Device” school, the ability to use an electronic device in class is going to be a vital part of the instruction. If you do not have a device, computers are available as well. We will be using them for research, review games, calculators, etc. However, they are only to be out and in use during the announced time period, otherwise they should be out of sight and out of mind. Inability to follow this procedure will lead to the confiscation of the phone.

**Grading Policy:**

Grades will be determined by a cumulative point system, where quarter grades will be calculated by taking the number of points earned, divided by the number of possible points available to the student. The resultant percentage will be converted into a letter grade as noted in the following grading scale:

**A 89.5-100 %**

**B 79.5-89.4 %**

**C 69.5-79.4 %**

**D 59.5-69.4 %**

**E 0-59.4 %**

***\*No deviations from the above will be made\****

Percentages will be rounded to nearest whole number. Therefore any percentage with a decimal of .4 or below will be rounded down, and any percentage with a decimal of .5 or above will be rounded up.

**Late work:** No work will be taken late. (Labs, homework, projects, etc..). Additional time as defined on 504/IEP documents will be honored accordingly.

For those students who miss class due to an ***excused*** ***absence***, those students will have the following responsibilities:

a) See the teacher to get missed work

b) Turn in work one day later for each class day absent. Tests would need to be arranged.

For those students who miss class due to an ***unexcused absence***, those students will not be able to make up the missed work, including tests. I will not seek out attendance slips.

**Course Outline:**

|  |  |
| --- | --- |
| **Quarter** | **Topics** |
| 1 | Materials that Shaped the Earth:   * Rocks * Minerals * Rock Cycle |
| 2 | Earth’s History:   * Historical Geology * Plate Tectonics * Relative Dating * Geological Time Line |
| 3 | Interactions of the Atmosphere and Hydrosphere:   * Atmosphere * Weather * Water cycle * Carbon cycle |
| 4 | Astronomy:   * Earth * Our Solar System * Sun – Moon – Earth System * Universe |

Students will be responsible for both quizzes and tests throughout each quarter. There will be many hands on labs and simulations throughout the year.

**Parent/Guardian & Student Acknowledgement:** **EARTH AND SPACE SCIENCE - GITTERMANN**

Dear Parent/Guardian:

Please fill out this sheet, detach it and send it back to class with your student. Have your student place the front pages in their notebook for later reference.

**Period: 1 3 4A 4B 5 (please circle)**

**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Home Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Mode of Transportation: (circle one)**

**Bus Parent Automobile Student Automobile Walking**

**Parent/Guardian(s) Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Best Phone Number to Use During the Day:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**This phone number belongs to:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**This phone number is a:**

**home phone cell phone office/work**

**Best parent/guardian email address to use:­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**This email belongs to:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How often is the email checked:**

**Hourly Daily Weekly Infrequently**

**Student Signature\*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent(s)Signature\*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\*Signature indicates that the student and parent have read these policies and understand the penalties for any violations.**