

## 6<sup>th</sup> grade Earth Science

Mr. Andy Goswick

Email: [Andy.Goswick@douglas.k12.ga.us](mailto:Andy.Goswick@douglas.k12.ga.us)

Phone: 770-651-5553



### Course Description

The middle school earth science course is designed to provide students an opportunity to learn about the specific concepts outlined in the Georgia Standards of Excellence ([www.georgiastandards.org](http://www.georgiastandards.org)) and Common Core State Standards for Literacy in Science/Technical Subjects ([www.corestandards.org](http://www.corestandards.org)). The course will be taught using both an **inquiry** based approach to directly investigate science concepts and productive struggle” to engage in **explanation** and **argumentation** of science concepts and claims.

There will be continuous emphasis on explanation and argumentation that has shown to contribute to overall literacy, e.g. abilities to use evidence to support claims, use logical reasoning, make informed decisions, understand the practices and nature of science, and develop academic writing skills and real-world critical thinking skills. With consistent dedication and completion of the course, students will develop deep understandings needed to be successful in a manner consistent with the rigor and expectations of high school, transitioning from an elementary school and the Student Learning Objectives (SLO) test.

### Materials

- 2 Composition Notebook (Interactive Notebooks)
- Plastic pocket folder with prongs
- Pencil pouch
- Highlighters
- Pencil/erasers/gluesticks
- Scissors
- Colored pencils
- Loose leaf paper

### Grading Categories

Per the middle school grading guidelines policies of the Douglas County School System, the following grading categories and weights have been established for 6<sup>th</sup> grade Earth Science:

### GRADING WEIGHTS

**Summative Assessments (50%)**

**Labs and Quizzes (25%)**

**Assignments (20%)**

**Homework (5%)**

**Make-Up Policy:** All students are required to turn in all assignments on time. If a student is absent from class, he/she needs to ask for the missing work either **before or after class**. Students are also encouraged to ask their peers in retrieving handouts, instructions, etc. This approach leads to greater accountability and independence on our students’ part. With this in mind, typically 1-3 days are allowed to return the completed work. Longer, performance based tasks may require additional time.

**Tutoring:** Tutoring begins at 4:00 on Tuesday & Thursday when tutoring begins. Most tutoring occurs as a result of the students' initiative to seek extra help with a task or concept. Students who plan to take advantage of this opportunity need to make sure that this has been communicated to me prior to each session. We expect students to hold themselves to a standard of doing their best. They should be encouraged to ask for help if needed.

## **Units in Earth Science**

1. Universe and Solar System
2. Inside the Earth
3. Rocks, Minerals,
4. Weathering, & Erosion
5. Water in Earth's Processes
6. Weather & Climate

**\*Make sure you check the website to find links to the Georgia Standards along with other important information regarding Science curriculum and more.**

**Website/Web Resources:** The Turner Middle School website links to our class web page. From this webpage several options can support your learning. For example, *Links* includes a list of web pages for each unit of instruction. I post assignments, make up work, and late/extra work on my website.

**Questions/Concerns/Communication:** The best way to know what is occurring in class is to ask. Talk to your child and talk to us. If something specific occurs, email me your questions or concerns. Communication between home and school is critical to student success. I communicate via REMIND and through the website. I use the "announcement" page on the website to fill you in on what we're doing and keep you abreast of all the necessary information you may need. When filling out information concerning your e-mail and/or phone number, supply me with a working or regularly used e-mail/number. It's vital we have a working number/e-mail so we can communicate effectively and efficiently.

Be aware that it is the student's responsibility to inform you of his or her grades. Individual student progress can also be tracked through Parent Portal. Use this resource to remain informed of your child's weekly grades. Interest and encouragement at home in student activity and progress is always beneficial to student performance at school.

Any questions, feel free to e-mail or call.

---

Student Signature

---

Parent/Guardian Signature

## 6<sup>th</sup> grade Earth Science



Mr. Andra` Crumbley Email: [andra.crumbley@douglas.k12.ga.us](mailto:andra.crumbley@douglas.k12.ga.us)

Phone: 770-651-5562

### Course Description

The middle school earth science course is designed to provide students an opportunity to learn about the specific concepts outlined in the Georgia Performance Standards ([www.georgiastandards.org](http://www.georgiastandards.org)) and Common Core State Standards for Literacy in Science/Technical Subjects ([www.corestandards.org](http://www.corestandards.org)). The course will be taught using both an **inquiry** based approach to directly investigate science concepts and “productive struggle” to engage in **explanation** and **argumentation** of science concepts and claims. There will be continued emphasis on explanation and argumentation that has shown to contribute to overall literacy, e.g. abilities to use evidence to support claims, use logical reasoning, make informed decisions, understand the practices and nature of science and develop academic writing skills and real-world critical thinking skills. With consistent dedication and completion of the course, students will develop deep understandings needed to be successful in a manner consistent with the rigor and expectations of high school, transitioning from an elementary school and the Student Learning Objectives (SLO) test.

### Areas of Study

*Scientific Habits of Mind/Skills to Maintain:*

Actively participate in scientific and engineering processes

Use informational text, collected data, models, etc. to support arguments & explanations of scientific concepts

*Earth Science Content:*

Rocks, Minerals, Weathering and Erosion

Water in Earth’s Processes inside the Earth

Climate and Weather Gravity and Inertia

Universe and Solar System Human Impact

### Materials

Composition Notebook (Interactive Notebooks) Pens/Pencils/Sharpener

### Grading Categories

Per the middle school grading guidelines policies of the Douglas County School System, the following grading categories and weights have been established for 6<sup>th</sup> grade Earth Science:

### GRADING WEIGHTS

|                       |       |
|-----------------------|-------|
| Summative Assessments | (35%) |
| Labs and Quizzes      | (30%) |
| Assignments           | (30%) |
| Homework              | ( 5%) |

**Make-Up Policy:** All students are required to turn in all assignments on time. If a student is absent from class, he/she needs to ask for the missing work either **before or after class**. Students are also encouraged to ask their peers in retrieving handouts, instructions, etc. This approach leads to greater accountability and independence on our students’ part. With this in mind, typically 1-2 days are allowed to return the completed work. Longer, performance based tasks may require additional time.

**Tutoring:** Tutoring begins at 7:30 each morning. Most tutoring occurs as a result of the students' initiative to seek extra help with a task or concept. Students who plan to take advantage of this opportunity need to make sure that this has been communicated to me prior to each session. We expect students to hold themselves to a minimum level of performance. If they see they are not meeting that performance standard, we expect them to ask for help.

### Year at a Glance:

| Unit                                    | Unit 1   | Unit 2   | Unit 3   | Unit 4  | Unit 5   | Unit 6  |
|---|--|--|--|---|--|---|
| Unit Name                               | Rocks, Minerals, Weathering and Erosion  | Inside the Earth   | Water in Earth's Processes   | Climate and Weather   | Universe and Solar System  | Human Impact  |
| Standards and elements with main topics | 5b Rock composition<br>5c Rock classification<br>5d Rock formation<br><br>Please be aware students fully understand lab safety and the scientific process. | 5a Earth's crust, mantle, and core<br>5e Movement of lithospheric plates<br>*5f Physical processes and geological features<br>5g Fossil evidence<br>*6b Renewable and nonrenewable resources | 3a Water on Earth<br>3b Water cycle<br>3c Subsurface topography<br>3d Currents, waves, and tides<br>6a The Sun's relation to water/wind energy<br>*5i Human activity/erosion<br>*5j Conserving resources<br>*6b Renewable and nonrenewable resources | 2c Tilt of Earth<br>4a Heat and weather patterns<br>4b Unequal heating of land and water<br>4c Ocean moisture and weather patterns<br>*6a The Sun's relation to water/wind energy<br>*5j Conserving resources<br>*6b Renewable and nonrenewable resources | 1a Historical scientific models<br>1b Solar system<br>1c Planets<br>1d Motion of objects in the sky<br>1e Gravity<br>1f Comets, meteors, and asteroids<br>2a Phases of the moon<br>2b Solar/lunar eclipses<br>2c Earth tilt, sunlight, and climate | *5i Human activity and erosion<br>*5j Conserving resources<br>*6a The Sun's relation to water/wind energy<br>*6b Renewable and nonrenewable resources |
|   | S6CS   | S6CS   | S6CS   | S6CS  | S6CS   | S6CS  |
|   | Assessment 1   | Assessment 2   | Assessment 3   | Assessment 4  | Assessment 5   |   |
|   |  |  |  |   |  |   |

### TEXTBOOK:

Holt Science and Technology

### Course:

Earth Science

### Other Resources:

<http://www.sciencekids.co.nz/>

<http://www.earthsciweek.org/>

<http://www.geography4kids.com>

<http://geology.com/teacher/>

<http://www.sciencebuddies.com>

**Questions/Concerns/Communication:** The best way to know what is occurring in class is to ask. Talk to your child and talk to us. If something specific occurs, email or call me your questions or concerns. Communication between home and school is critical to student success. Student and parent can also sign-up for Remind. I text out daily messages to parents and students about homework assignments and reminders about class activities.

Please be aware that it is the student's responsibility to inform you of his or her grades. Individual student progress can also be tracked through Parent Portal. Please use this resource to remain informed of your child's weekly grades. Interest and encouragement at home in student activity and progress is always beneficial to student performance at school.

Student Signature

Parent/Guardian Signature