Dr. Givens'
6th Grade Earth & Space Science Syllabus

Contact Information:
School Phone: 770-389-2774
Planning: Mon-Fri 2:40-3:55
Tutoring Hours:
Tuesdays 8:15-8:45am (Dr. Givens)
Thursdays 4:15-4:45pm (Mrs. Riley)

Course Summary

Investigations on the nature of science and how scientific knowledge is achieved are essential components of **sixth grade** earth science and necessary to achieve scientific literacy. The middle school earth science course is designed to enable students to look at the Earth as a set of closely coupled systems. This will be achieved by providing students with an overview of common strands in earth science including Geology, Hydrology & Meteorology, and Astronomy.

Earth Science is taught in 8 units that are aligned with the district's scope and sequence. However, the length of a unit may be adjusted based upon the needs of the class. The estimated length of each unit and the content in the unit is included.

Instructional Philosophy

It is my mission to instill a yearning for learning in my students and try to teach with a passion for my subject so that my students develop a desire to become life-long learners. We are a hands-on and minds-on class!

Classroom Expectations

- Each student will be respectful to their teachers, peers, administration, and other school personnel. · Each student will follow the Woodland Matrix of Expectation, school routines, and classroom expectations.
- Each student will be properly prepared each day for class instruction with the required notebook, textbook and supplies.
- Each student will be responsible and accountable for their choices and actions on a daily basis.

Stay Connected

- **Class Website** https://sites.google.com/henry.k12.ga.us/earth-space-science-2022-2023/home
- **Class Remind**
  - Send a text to 81010, then text this message @Givens6Sci OR
  - https://www.remind.com/join/Givens6Sci
- **Google Classroom** (Please share your email with me to have parental access)
- **Infinite Campus** https://schoolwires.henry.k12.ga.us/cms/lib/GA01000549/Centricity/Domain/5962/ICPPTDirections.pdf
- **Twitter** @DrG_6thGradeSci
- **Email** misty.givens@henry.k12.ga.us

UNIT	LENGTH	STANDARD	FOCUS
I Universe & Solar System	**5 Weeks**	**S6E1 a,b, c, d, & e** Students will obtain, evaluate, and communicate information about current scientific views of the universe and how those views evolved.	In this unit students will research, explore, evaluate, and communicate information about the formation, organization, and interactions of the universe and solar system. They will explore the unique characteristics of Earth and its ability to sustain life and the roles of gravity and inertia in the motion of objects in the solar system.
II Sun, Earth, & Moon	**4 Weeks**	**S6E2 a, b & c** Students will obtain, evaluate, and communicate information about the effects of the relative positions of the sun, Earth, and moon.	In this unit, students will understand and analyze the origins of the solar system and its position in the universe through scientific processes and practices. Students will research, explore, evaluate, and communicate information about the effects of the relative positions of the sun, Earth, and moon. Students will also understand the effects of the relative positions of the earth, moon, and sun along with their positions during solar and lunar eclipses. Students will analyze and interpret data to relate the tilt of the Earth to the distribution of sunlight throughout the year and its effect on season.
III Role of Water	**4 Weeks**	**S6E3 a, b, c, & d** Students will obtain, evaluate, and communicate information to recognize the significant role of water in Earth processes.	In this unit, students will understand and analyze the role of water in Earth processes, the dynamics and the composition of the oceans, and global processes. Students will determine where water is located on Earth, investigate the cycling of water and use graphs and maps to investigate the topography of the world's oceans. In addition, students will analyze and interpret data related to the causes of waves, currents and tides.
IV Weather & Climate	**5 Weeks**	**S6E4 a, b, c, d, & e** Students will obtain, evaluate, and communicate information about	In this unit, students will explore how the sun, land and water affect weather and climate. Students will engage in the practices of analyzing and interpreting data, planning and carrying out

		how the sun, land, and water affect climate and weather.	investigations, developing models and constructing explanations to learn about weather, weather patterns and climate.
V Formation of Earth's Surface	**4 Weeks**	**S6E5 a, f & g** Students will obtain, evaluate, and communicate information to show how Earth's surface is formed.	In this unit, students will research, explore, evaluate, and communicate information about how Earth's surface is formed. They will also compare and contrast the layers of the Earth. The relationship between plate tectonics and geologic events and the use of fossils to show evidence of the changing surface and climate of the Earth are included within the scope of this unit.
VI Rocks & Minerals	**5 Weeks**	**S6E5 b & c** Students will obtain, evaluate, and communicate information to show how Earth's surface is formed.	In this unit, students will research, explore, explain, evaluate, and communicate information about how Earth's Surface is formed. They will investigate minerals and rock composition. Classification of rocks and the rock cycle are included within the scope of this unit.
VII Weathering, Erosion, Soil	**6 Weeks**	**S6E5 d, e, & h** Students will obtain, evaluate, and communicate information to show how Earth's surface is formed.	In this unit students will research, explore, evaluate, and communicate information about how Earth's surface is formed. They will also study types of weathering and the impact of human activity on the surface of the earth. Soil is included within the scope of this unit.
VIII Conservation of Natural Resources	**3 Weeks**	.**S6E6 a, b, & c** Students will obtain, evaluate, and communicate information about the uses and conservation of various natural resources and how they impact the Earth.	In this unit students will explore, evaluate, and communicate information about the uses and conservation of various natural resources and how they impact the earth. They will study renewable and nonrenewable energy resources and sustain the quality and supply of natural resources such as water, soil, and air. The rise in global temperatures over the past century is also included within the scope of this unit.

Grading Policy

RANGE	LETTER GRADE
90-100	A
89-80	B
79 - 74	C
73-70	D
Below 70	F

Grading- Student grades will be comprised of the following categories:
Assessment Task (Formative Assessments, Summative Assessments) **(40%),**
Practice Work (Homework, Classwork, some Formative Assessments/Quizzes) **(40%)**
Semester Summative Assessment Task (End of Course Grades) (20%),

Grade Recovery - In the best interest of student success, Woodland Middle School offers schoolwide learning repair opportunities for ALL students. Students will have the opportunity to complete a recovery assignment(s) to replace or improve his or her score on a previous assessment or practice work assignment. Although students will be provided some class time for learning repair, we encourage them to work on the recovery assignment at home. These repair opportunities offered throughout the year will be based upon standards supported by data that students have struggled with during the semester and made the focus for recovery. Criteria and guidelines specific to Earth & Space Science will be provided at a later date.

Supplies Each student must have a blue two pocket folder with prongs. They will also need two 5 subject notebooks (1 per semester). They will also need black ink pens, pencils, and colored pencils. Students may also need to purchase supplies for projects assigned during the year.

Students will also be required to maintain a science notebook that will be checked regularly and incorporated into their classwork grade. Each category counts heavily toward the final grade, therefore, it is strongly suggested that students make every effort to come to class prepared to learn and participate in everything the class has to offer. Lack of preparation compromises student's participation grades. Students must also attend class regularly as attendance is essential to successful completion of the course.

Important Dates
1st Day of School - Aug. 3
Fall Break - Sept. 19-23
Thanksgiving Break - Nov. 21-25
Semester Break - Dec. 22-Jan. 6
2nd Semester Starts - Jan. 9
Winter Break - Feb. 21-24
Spring Break - Apr. 3-7
Last Day of School - May 26

Please sign and return this portion of the syllabus to Dr. Givens as soon as possible.

CONFIRMATION OF SYLLABUS 2022-2023

I have received the 2022-2023 Earth & Space Science Course Syllabus and have read and reviewed it with my student.

Parent/Guardian Signature_____ Date:_____

Student's Signature _____