

**Jasper County Middle School**  
**6th Grade Earth Science Course Syllabus**  
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### **Course Description:**

The Sixth Grade Georgia Standards of Excellence for science are designed to give all students an overview of common strands in Earth Science including, but not limited to, meteorology, geology, astronomy, hydrology and oceanography.

Sixth grade students will use records to keep and analyze the data collected, plan and carry out investigations, describe observations, and show information in different forms. Students are able to recognize relationships in simple charts and graphs and find multiple ways to interpret findings. Students will replicate investigations and compare results to find similarities and differences. Sixth grade students will study weather patterns and systems by observing and explaining how an aspect of weather can affect a weather system. Students are able to construct explanations based on evidence of the role of water in Earth processes as well as recognize how the presence of land and water in combination with the energy from the sun affect the climate and weather of a region. Students will use different models to represent systems such as the solar system and the interactions of the sun, moon, and Earth. Students will study uses and conservation of Earth's natural resources as well as use observations about the Earth's materials to infer the processes and timelines in which these materials were formed.

### **Instructional Goals:**

The assessment of student performance is one of the most difficult and most important of all tasks performed by teachers.

It begins with the identification of learning goals and subsequently involves diagnosis of student needs, provisions of effective instruction with feedback, and use of assessment results to improve learning. In fact, the best measure of effective teaching is student learning. This course is designed to provide students with the creative and critical thinking skills necessary to enhance learning. The course will address ways to assess higher order cognitive objectives and authentic tasks to improve literacy, mathematics and critical thinking skills. Students will participate in activities that enhance understanding of the physical world. Students will participate in class discussion via online format to provide feedback to peers and develop an environment of learning. Documenting student performance and progress both for instructional and accountability purposes will be emphasized. Students will reflect and provide evidence of learning aligned to Georgia Standards of Excellence. STEAM will be used to implement learning goals, instructional strategies, and assessment planning.

### **Resources:**

Quizlet, USA Test Prep, NewsELA, Readworks.org, Nasa.gov, PBS.org and many other websites

### **Class Expectations:**

Students will follow the PBIS Matrix which states classroom expectations are as follows:

- Use appropriate language and quiet voice
- Be courteous and respect the thoughts of others
- Follow directions completely
- Finish and turn in all work
- Bring necessary supplies to class daily
- Be responsible for your words and actions
- Keep your area clean
- Be respectful to teachers and classmates
- Work collaboratively with peers
- Use problem solving strategies independently
- Be an active listener
- Contribute ideas and effort while respecting differences
- Know your emergency procedures
- Use materials and technology appropriately
- Tell an adult if you feel unsafe

See student handbook for behavior/ discipline expectations and policies. Cell phones will be not allowed unless teacher gives permission. However, students are expected to be **Cooperative, Accountable, Neighborly, Engaged, and Safe: C.A.N.E.S.!**

1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
<p>Scientific Method, Lab Safety and Units of Measure review.</p> <p>S6E5. Obtain, evaluate, and communicate information to show how Earth's surface is formed.</p> <p>S6E6. Obtain, evaluate, and communicate information about the uses and conservation of various natural resources and how they impact the Earth.</p>	<p>S6E3. Obtain, evaluate, and communicate information to recognize the significant role of water in Earth processes.</p> <p>S6E6. Obtain, evaluate, and communicate information about the uses and conservation of various natural resources and how they impact the Earth.</p> <p>S6E4. Obtain, evaluate, and communicate information about how the sun, land, and water affect climate and weather.</p>	<p>S6E4. Obtain, evaluate, and communicate information about how the sun, land, and water affect climate and weather.</p> <p>S6E1. Obtain, evaluate, and communicate information about current scientific views of the universe and how those views evolved.</p>	<p>S6E1. Obtain, evaluate, and communicate information about current scientific views of the universe and how those views evolved.</p> <p>S6E2. Obtain, evaluate, and communicate information about the effects of the relative positions of the sun, Earth, and moon.</p> <p>S6E6. Obtain, evaluate, and communicate information about the uses and conservation of various natural resources and how they impact the Earth.</p>

### **Class Schedule/Procedures:**

7:20-7:45 Breakfast	7:45-8:00 Homeroom	8:05-9:20 1st Period	9:20-10:30 2nd Period	10:30-11:40 3rd Period	11:40-12:15 Lunch	12:20-1:30 4 <sup>th</sup> Period Connections	1:35-2:45 5 <sup>th</sup> Period	2:50-3:25 6 <sup>th</sup> Period Academy
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RIT (about 10 minutes)

Opening (about 10 minutes)

Work/Student Activity Period (approximately 40 minutes)

Closing Activity/Wrap Up (approximately 10 min)

### **Grading:**

Students will receive 2 - 3 grades per week. The grading policy is located in the student handbook.

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Please detach this sheet... sign it and return to your child's Science Teacher.

Thank you for your support! We are looking forward to working with you child and we are going to have a GREAT year!

Student Name \_\_\_\_\_ Class Period \_\_\_\_\_

Parent Signature X \_\_\_\_\_ Parent Name (Printed) \_\_\_\_\_

Email Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

