

Science 6 Syllabus

Ms. Little

Teacher Contact Information

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Course Description

- Sixth grade science incorporates the three major areas of science. Physical Science, Life Science, and Earth Science. The curriculum for this class is based on the 2021 South Carolina State Science Standards. Emphasis on higher order thinking skills and problem solving will also be stressed as students work on individual, as well as group activities and projects. Numerous resources will be utilized in the teaching of this course. They will include but are not limited to textbooks, diagrams, scientific charts, graphs, and maps.

Learning Objectives

- Students explore the interactions of matter and energy.
- Students will use models to describe wave behavior.
- Students conduct investigations on cells and explore how groups of cells make up the human body.
- Students explore the geologic processes that shape earth.
- Students explore the water cycle and weather patterns.

Course Outline/Pacing/Scope and Sequence

- **Scientific Inquiry/Science Safety**
- **Matter and Its Interactions**
 - Solids, Liquids, Gases
 - Thermal Energy
 - Waves and Their Application
 - Parts of a Wave
 - Wave Behaviors
- **Molecules to Organisms**
 - The Cell System
 - Human Body Systems
- **History of Earth**
 - Minerals and Rocks in the Geosphere
 - Earth's Surface Systems
 - Plate Tectonics
- **Earth's Geologic Systems and Human Activity**
 - Earth's Atmospheric Systems and Human Activity
 - Weather in the Atmosphere
 - Energy in the Atmosphere and Ocean

Textbook Title

- SAVVAS Elevate Science Grade 6

Science Materials

- General Supplies
- 1 inch 3 ring binder

Grading Policy/Practices (*This follows the district assessment guidelines for minimum*)

- Grades will be calculated on a percentage system as follows:
 - Major 50%
 - Minor 50%

Late Work Procedures

- Students are expected to follow classroom rules and complete assignments during the allotted class period. Any student off-task and not completing classroom assignments will receive a disciplinary infraction. However, if a student misplaces an assignment or needs to hand in any work after the assigned due date, then they will need to adhere to the following late work policy. Students are encouraged to use time before school, after school and during SAIL to complete assignments to avoid late work. If a student is absent on the date an assignment is assigned, the student will have 5 days without penalty to make up the assignment.

Redo/Retake/Revision Procedures

- If you have concerns about the retake/redo policy please refer to my website or the student handbook for a complete list of policy guidelines.
- Please feel free to reach out to me with any questions or concerns, thanks for your collaboration in supporting your student's learning. Please refer to my website for more information.

Classroom Expectations

- Be respectful, treat others, their ideas, and property the way you would like to be treated. Be ready to work together, listen, and help each other succeed. Come prepared, stay focused, and give your best effort. Keep a good attitude, encourage others, and don't give up. Use kind words and actions that make others feel safe and valued.

Magic School

- This year, students will use MagicSchool AI, a generative AI platform designed specifically for education. As tools like ChatGPT and Gemini become standard in the professional world, utilizing MagicSchool prepares students for the future workforce by teaching safe and responsible technology use.
- Students will use these tools for real-time feedback and dynamic problem-solving. To ensure appropriate use, teachers retain access to all student chats. MagicSchool strictly protects privacy and does not collect or utilize student data. All AI software, including MagicSchool, complies with GCS Board Policy and Administrative Rule IA.

Generative AI: This course may utilize generative AI tools, such as MagicSchool and Google Gemini, to supplement traditional instruction. Greenville County Schools prioritizes the ethical use of these technologies for brainstorming and self-guided learning.

- **Critical Thinking First:** AI must not replace original thought or coursework.
- **Academic Integrity:** Using AI to complete and submit assignments as original work constitutes plagiarism.
- **Required Citation:** If teacher-approved, all AI use must be properly cited.
- **Content Awareness:** Students must remain vigilant regarding potential biases and inaccuracies in AI-generated content.
- **Policy Compliance:** All AI programs align with GCS Board Policy and Administrative Rule IA.