

# Mauldin Middle School

## 7<sup>TH</sup> GRADE SYLLABUS 2025-2026

**Course Description:** [Link to state standards](#) (pages 122-147)

Seventh grade science is a general science class. Topics include matter and its interactions, energy, molecules, ecosystems, and the Earth and human activity.

### General Objectives:

- Develop an understanding of how molecular interactions create the properties of matter that we see and feel.
- Develop an understanding of how mass, speed, and position affect kinetic and potential energy and how energy is transferred.
- Develop an understanding of how organisms interact with other organisms in the environment to obtain matter and energy.
- Develop an understanding of how matter and energy move through an ecosystem and what factors impact the health of an ecosystem.
- Develop an understanding of how surface processes and human activity affect Earth temperature and systems.

### Classroom/School Late Work and Retake Policies:

| Late Work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Retake                                                                                                                                                                                       |
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| <p>When class time is provided, students are expected to complete work assigned in class. If a student did not use their class time appropriately, a teacher may deny the opportunity to turn in assignments late.</p> <p>If an assignment is eligible to be turned in late, students have 5 school days from the assignment being recorded in the gradebook to submit their work.</p> <p>For assignments not handed in, an NHI (50%) will be recorded in the gradebook.</p> <p>Late assignments may result in the loss of student participation privileges in celebratory events or reward times that occur periodically throughout the year.</p> <p>Makeup work should be completed no more than five days after returning to school.</p> | <p>If you are unhappy with your performance on an assessment, you may complete a retake form, prepare by studying and arrange to retake the assessment. <a href="#">Retake</a> form link</p> |

### Classroom Guidelines and Expectations:

|                                                                                                                                                                                                      |                                                                                                                                                |
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| <ol style="list-style-type: none"><li>1. Only behavior that does not interfere with other students' right to learn is permitted.</li><li>2. Be respectful to your classmates and teachers.</li></ol> | <p>In addition, all students should follow all district and school guidelines as specified in the <a href="#">student handbook</a>. (Link)</p> |
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3. Be seated with materials and ready to work when class begins.
4. Food, gum, and drinks are not allowed in the classrooms or hallways.

Because we will be conducting some lab activities, it is imperative that students practice safe behavior. They will be expected to follow the guidelines set forth on the [Science Lab Safety Contract \(link\)](#)

| Materials                                                           | Grades                                                                             | Homework                                                                                                                                                | Grading Scale                                                                |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Notebook<br>Loose-leaf Paper<br>Pens and Pencils<br>Colored Pencils | Tests & Major Projects = 50%<br><br>Quizzes, Minor Projects, and Assignments = 50% | 3-4 times a week<br>10-30 minute assignments<br>Preview upcoming material<br>Review covered material<br>Study for quizzes and tests<br>Work on projects | 90 – 100    A<br><br>80 – 89     B<br><br>70 – 79     C<br><br>60 – 69     D |

## Tentative Course Outline

| 1 <sup>st</sup> Quarter                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 <sup>rd</sup> Quarter                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <p><b><i>Matter and Its Interactions</i></b></p> <ul style="list-style-type: none"> <li>➤ States of Matter</li> <li>➤ Composition of molecules</li> <li>➤ Properties of molecules through chemical reactions</li> <li>➤ Synthetic material and natural resources</li> <li>➤ Conservation of mass, energy, and atoms in chemical reactions</li> </ul>  | <p><b><i>Ecosystem Dynamics</i></b></p> <ul style="list-style-type: none"> <li>➤ Effects of resource availability on organisms and populations in an ecosystem</li> <li>➤ Interactions of organisms across multiple ecosystems</li> <li>➤ Flow of energy among living and nonliving parts of an ecosystem</li> <li>➤ Changes to components of an ecosystem and their effect on populations</li> <li>➤ Biodiversity and ecosystem services</li> </ul> |

## 2<sup>nd</sup> Quarter

### **Energy**

- Transfer of energy in chemical reactions
- Kinetic and potential energy
- Relationships of energy from object to object

### **From Molecules to Organism**

- Cellular Life Processes
- Energy transfer from food to organism



## 4<sup>th</sup> Quarter



### **Earth & Human Activity**

- Distribution of Earth's resources and geoscience processes
- Human impact on the environment
- Human population and consumption of natural resources and Earth's systems
- Changes in global temperatures

## Classroom Expectations

- Be honest and truthful at all times.
- Have a positive attitude.
- Respect his or her classmates, teacher, and visitors.
- Give 100% effort when completing tasks. Do ALL assigned work!
- Follow the school dress code, classroom expectations, and lab safety guidelines.
- Be on time to class prepared with all daily supplies.
- Turn off and put away personal electronic devices.
- Use discretion when requesting to leave the classroom, so important classroom information is not missed.
- Enter the room quietly and orderly and immediately begin the daily starters.
- Stay in his or her assigned seat throughout class unless he or she has been given permission to get up.
- Remain in his or her seat until Ms.Asha dismisses them from class.

- Clean up around his or her desk and push in his or her chair before leaving the classroom.
- Respect the property of others and refrain from writing on or damaging textbooks, furniture, and/or other classroom supplies.

**Supply List:** You will need the following items by **August 13, 2025**

- 1- Notebook (Composition book) (2)
- 2- Loose-Leaf Notebook Paper (not spiral)
- 3- Colored Pencils or Markers
- 4- Pens, Pencils, Sharpeners and Highlighters
- 5- Appropriate Reading Material (novel) (for when you finish early)
- 6- Wired earphones