

# Jackson Middle School STEM Science Lesson Plans

MS. MCMILLIAN

Week: May 6-24, 2024

## **Scientific and Engineering Practices (SEPS)**

1. Asking questions (for science) and defining problems (for engineering)
2. Developing and using models
3. Planning and carrying out investigations
4. Analyzing and interpreting data
5. Using mathematics and computational thinking
6. Constructing explanations (for science) and designing solutions (for engineering)
7. Engaging in argument from evidence
8. Obtaining, evaluating, and communicating information

## **Crosscutting Concepts (CCCs)**

1. Patterns
2. Cause and effect: Mechanism and explanation
3. Scale, proportion, and quantity
4. Systems and system models
5. Energy and matter: Flows, cycles, and conservation
6. Structure and function
7. Stability and change

<https://ed.sc.gov/instruction/career-and-technical-education/programs-and-courses/career-clusters/science-technology-engineering-and-mathematics/>

<https://ed.sc.gov/instruction/standards/science/standards/south-carolina-college-and-career-ready-science-standards-2021-approved/>

<https://ed.sc.gov/instruction/standards/mathematics/standards/scccr-standards-for-mathematics-final-print-on-one-side/>

- 1) Review, reinforce, master, and practice lab safety rules and classroom rules and procedures.
- 2) Discuss and practice using the 6 C'S of Engineering (collaboration, communication, creativity, curiosity, critical

- 5) Students will complete a Muscle and Bone Gizmo.
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