Florida Middle School M/J Comprehensive Science 1 delivers instruction, practice, and review to help students develop scientific literacy, deepen conceptual understanding, and apply scientific practices. Students explore concepts such as Earth's structures, systems, and patterns; the organization, development, and evolution of organisms; and the relationship between force and motion.

The two-semester course is arranged in themed units, each with two to three lessons. In each unit, activities make complex ideas accessible to students as they discover the nature of science through focused content, interactive mini-investigations, multi-modal representations, and personalized feedback. Each lesson includes a variety of activities such as direct instruction, application of skills, performance tasks, and formative and summative assessments. Students engage with the subject matter in an interactive, feedback-rich environment as they progress through standards-aligned content and demonstrate their learning through computer- and teacher-scored assignments.

This course is built to the Next Generation Science Standards for middle school science.

Length: Two Semesters

### Unit 1: Science and Engineering

- Introduction to Science
- Scientific Investigations
- What Is Engineering?
- Wrap-Up: Science and Engineering

### Unit 2: Tools of Inquiry

- Using Models
- Measurement and Tools
- Interpreting and Displaying Data
- Wrap-Up: Tools of Inquiry

### Unit 3: Force and Motion

- Describing Forces
- Describing and Graphing Motion
- Effects of Forces
- Wrap-Up: Force and Motion

### Unit 4: Noncontact Forces

- Electromagnetic Forces
- Gravitational Force
- Wrap-Up: Noncontact Forces

### Unit 5: Forces and Planet Earth


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- Earth's Structure and Cycles
- Weathering, Erosion, and Deposition
- Wrap-Up: Forces and Planet Earth

### Unit 6: Energy

- Describing Energy
- Energy Transfer and Transformation
- Wrap-Up: Energy

### Unit 7: Semester Wrap-Up

### Unit 8: Energy and Earth's Systems

- Freshwater
- Oceans
- Earth's Atmosphere
- Wrap-Up: Energy and Earth's Systems

### Unit 9: Weather and Climate

- Weather
- Severe Weather Events
- Earth's Climate
- Wrap-Up: Weather and Climate

### Unit 10: Nature of Life

- Characteristics of Living Things
- The Structure of Cells
- Wrap-Up: Nature of Life

### Unit 11: Cell Processes

- Cell Nutrition and Transport
- Cell Growth and Reproduction
- Wrap-Up: Cell Processes

### Unit 12: Diversity of Life

- Domains and Kingdoms of Life
- Classification of Living Things
- Wrap-Up: Diversity of Life

### Unit 13: Multicellular Bodies

- Specialized Cells and Tissues
- Organs and Organ Systems
- Wrap-Up: Multicellular Bodies

### Unit 14: The Human Body

- Human Body Systems
- Human Health and Disease
- Wrap-Up: The Human Body


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## Unit 15: Semester Wrap-Up


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