

Florida Middle School M/J Comprehensive Science 3 delivers instruction, practice, and review to help students develop scientific literacy, deepen conceptual understanding, and apply scientific practices. Students explore concepts such as the nature of the universe, how matter and energy move through living systems, and the physical and chemical properties of matter.

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**

### **LESSON 1: INTRODUCTION TO SCIENCE**

# Study: Introduction to Science

Learn what science is and how scientific laws and theories are formed.

Duration: 1 hr Scoring: 0 points

### **Checkup: Introduction to Science**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: Introduction to Science**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

# **Practice: Introduction to Science**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

## **Explore: Introduction to Science**

Research the background, interests, and career of a scientist.

Duration: 2 hrs Scoring: 35 points

# **Quiz: Introduction to Science**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

# **LESSON 2: SCIENTIFIC INVESTIGATIONS**

# **Study: Scientific Investigations**

Learn how to conduct different types of scientific investigations.

Duration: 1 hr Scoring: 0 points

### **Checkup: Scientific Investigations**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

# **Review: Scientific Investigations**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Scientific Investigations**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: Scientific Investigations**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 3: WHAT IS ENGINEERING?**

# Study: What Is Engineering?

Learn about engineering.

Duration: 1 hr Scoring: 0 points

### Checkup: What Is Engineering?

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## **Review: What Is Engineering?**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

# Practice: What Is Engineering?

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### Quiz: What Is Engineering?

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

## **LESSON 4: WRAP-UP: SCIENCE AND ENGINEERING**

## **Discuss: Science and Engineering**

Discuss learning strategies.

Duration: 0 hrs 20 mins Scoring: 10 points

# **Review: Science and Engineering**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### **Test (CS): Science and Engineering**

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

# **UNIT 2: TOOLS OF INQUIRY**

## **LESSON 1: USING MODELS**

# **Study: Using Models**

Learn about various kinds of models and how they are used by scientists.

Duration: 1 hr Scoring: 0 points

### **Checkup: Using Models**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

# **Review: Using Models**

Review important ideas and skills from this lesson.

#### **Practice: Using Models**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

## **Quiz: Using Models**

Take a guiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 2: MEASUREMENT AND TOOLS**

### **Study: Measurement and Tools**

Learn about appropriate tools and SI units for collecting, recording, and analyzing data.

Duration: 1 hr Scoring: 0 points

#### **Checkup: Measurement and Tools**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

#### **Review: Measurement and Tools**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Measurement and Tools**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: Measurement and Tools**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

#### **LESSON 3: INTERPRETING AND DISPLAYING DATA**

## Study: Interpreting and Displaying Data

Learn ways to organize, display, and analyze data.

Duration: 1 hr Scoring: 0 points

### **Checkup: Interpreting and Displaying Data**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: Interpreting and Displaying Data**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Interpreting and Displaying Data**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: Interpreting and Displaying Data**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 4: WRAP-UP: TOOLS OF INQUIRY**

### **Discuss: Tools of Inquiry**

Discuss how to use math to make a scale model.

Duration: 0 hrs 20 mins Scoring: 10 points

# **Review: Tools of Inquiry**

Prepare for the unit test by reviewing key concepts and skills.

#### Test (CS): Tools of Inquiry

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

### **UNIT 3: NATURE OF MATTER**

### **LESSON 1: WHAT IS MATTER?**

### Study: What Is Matter?

Learn the fundamental properties of matter.

Duration: 1 hr Scoring: 0 points

### Checkup: What Is Matter?

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

#### **Review: What Is Matter?**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

## **Practice: What Is Matter?**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

#### Quiz: What Is Matter?

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

## **LESSON 2: ATOMIC STRUCTURE**

### **Study: Atomic Structure**

Learn the basic structure of atoms.

Duration: 1 hr Scoring: 0 points

### **Checkup: Atomic Structure**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

#### **Review: Atomic Structure**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

## **Quiz: Atomic Structure**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 3: THE PERIODIC TABLE**

### **Study: The Periodic Table**

Learn what the periodic table is and how to interpret it.

Duration: 1 hr Scoring: 0 points

### **Checkup: The Periodic Table**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

# **Review: The Periodic Table**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

## **Quiz: The Periodic Table**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

#### **LESSON 4: WRAP-UP: NATURE OF MATTER**

#### **Discuss: Nature of Matter**

Discuss careers that involve science.

Duration: 0 hrs 20 mins Scoring: 10 points

#### **Review: Nature of Matter**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### Test (CS): Nature of Matter

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

# **UNIT 4: DESCRIBING MATTER**

### **LESSON 1: PHYSICAL AND CHEMICAL PROPERTIES**

### **Study: Physical and Chemical Properties**

Learn about physical and chemical properties of matter that you can observe.

Duration: 1 hr Scoring: 0 points

### **Checkup: Physical and Chemical Properties**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## **Review: Physical and Chemical Properties**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Quiz: Physical and Chemical Properties**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 2: SOLIDS, LIQUIDS, AND GASES**

#### Study: Solids, Liquids, and Gases

Learn about the three main states of matter.

Duration: 1 hr Scoring: 0 points

# Checkup: Solids, Liquids, and Gases

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## Review: Solids, Liquids, and Gases

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

# Quiz: Solids, Liquids, and Gases

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 3: MIXTURES OF MATTER**

### Study: Mixtures of Matter

Learn about the various ways that matter can combine.

Duration: 1 hr Scoring: 0 points

# **Checkup: Mixtures of Matter**

Check your understanding of the lesson.

#### **Review: Mixtures of Matter**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Mixtures of Matter**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Explore: Mixtures of Matter**

Research concrete.

Duration: 2 hrs Scoring: 35 points

#### **Quiz: Mixtures of Matter**

Take a guiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 4: WRAP-UP: DESCRIBING MATTER**

### **Discuss: Describing Matter**

Discuss real-world applications of the concepts.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Review: Describing Matter**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### Test (CS): Describing Matter

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

# **UNIT 5: CHANGES IN MATTER**

# **LESSON 1: HOW CAN MATTER CHANGE?**

### **Study: How Can Matter Change?**

Learn about the various ways that matter can change.

Duration: 1 hr Scoring: 0 points

# Checkup: How Can Matter Change?

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## **Review: How Can Matter Change?**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

#### **Practice: How Can Matter Change?**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### Lab: How Can Matter Change?

Investigate how temperature affects a chemical change.

Duration: 3 hrs Scoring: 50 points

### **Quiz: How Can Matter Change?**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 2: CHANGES OF STATE**

## **Study: Changes of State**

Learn how matter can change from one state to another.

Duration: 1 hr Scoring: 0 points

# **Checkup: Changes of State**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: Changes of State**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Changes of State**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: Changes of State**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 3: CHEMICAL EQUATIONS**

### **Study: Chemical Equations**

Learn how to use chemical equations to represent chemical reactions.

Duration: 1 hr Scoring: 0 points

### **Checkup: Chemical Equations**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: Chemical Equations**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Chemical Equations**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

## Lab: Investigating and Modeling a Chemical Reaction

Investigate the law of conservation of matter during a chemical reaction, and develop a model to explain the resulting evidence.

Duration: 3 hrs Scoring: 50 points

### **Quiz: Chemical Equations**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

# **LESSON 4: WRAP-UP: CHANGES IN MATTER**

# **Discuss: Changes in Matter**

Discuss your lab results.

Duration: 0 hrs 20 mins Scoring: 10 points

## **Review: Changes in Matter**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

## Test (CS): Changes in Matter

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

## **UNIT 6: SEMESTER WRAP-UP**

### **LESSON 1: SEMESTER WRAP-UP**

#### **Review: Semester Wrap-Up**

Prepare for the semester exam by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

#### **Exam: Semester Exam**

Take a computer-scored exam to demonstrate your mastery of concepts and skills covered in this semester.

Duration: 0 hrs 40 mins Scoring: 105 points

### **UNIT 7: EARTH'S LIVING SYSTEMS**

### **LESSON 1: CHARACTERISTICS OF LIFE**

### **Study: Characteristics of Life**

Learn about the characteristics of life that all living things share.

Duration: 1 hr Scoring: 0 points

## **Checkup: Characteristics of Life**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

#### **Review: Characteristics of Life**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Characteristics of Life**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

#### **Quiz: Characteristics of Life**

Take a guiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

#### **LESSON 2: MATTER AND ENERGY IN ECOSYSTEMS**

### Study: Matter and Energy in Ecosystems

Learn how living things interact with the biotic and abiotic factors in their ecosystems.

Duration: 1 hr Scoring: 0 points

## **Checkup: Matter and Energy in Ecosystems**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## **Review: Matter and Energy in Ecosystems**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Matter and Energy in Ecosystems**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

# **Quiz: Matter and Energy in Ecosystems**

Take a guiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

# **LESSON 3: WRAP-UP: EARTH'S LIVING SYSTEMS**

# **Discuss: Earth's Living Systems**

Discuss ways to improve your study skills.

Duration: 0 hrs 20 mins Scoring: 10 points

## **Review: Earth's Living Systems**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### Test (CS): Earth's Living Systems

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

### **UNIT 8: MATTER AND ENERGY OF LIVING SYSTEMS**

## **LESSON 1: CHEMISTRY OF LIFE**

### **Study: Chemistry of Life**

Learn about the main elements and compounds that living things are made up of.

Duration: 1 hr Scoring: 0 points

### **Checkup: Chemistry of Life**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: Chemistry of Life**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

## **Practice: Chemistry of Life**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### Lab: Investigating Cycles among Living Things

Investigate cycles among living things.

Duration: 3 hrs Scoring: 50 points

#### **Quiz: Chemistry of Life**

Take a guiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 2: CELL NUTRITION AND TRANSPORT**

### **Study: Cell Nutrition and Transport**

Learn how cells get the nutrients they need and how materials move into and out of cells.

Duration: 1 hr Scoring: 0 points

### **Checkup: Cell Nutrition and Transport**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## **Review: Cell Nutrition and Transport**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Cell Nutrition and Transport**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

# **Quiz: Cell Nutrition and Transport**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

# **LESSON 3: WRAP-UP: MATTER AND ENERGY OF LIVING SYSTEMS**

# **Discuss: Matter and Energy of Living Systems**

Discuss your lab results.

Duration: 0 hrs 20 mins Scoring: 10 points

## **Review: Matter and Energy of Living Systems**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### Test (CS): Matter and Energy of Living Systems

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

### **UNIT 9: FORCES IN THE SOLAR SYSTEM**

### **LESSON 1: GRAVITATIONAL FORCE**

### **Study: Gravitational Force**

Learn what gravitational force is and the factors that affect its strength.

Duration: 1 hr Scoring: 0 points

#### **Checkup: Gravitational Force**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

#### **Review: Gravitational Force**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

#### **Practice: Gravitational Force**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: Gravitational Force**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

#### **LESSON 2: THE EARTH-SUN-MOON SYSTEM**

### Study: The Earth-Sun-Moon System

Learn how the interactions of the Earth, Sun, and Moon cause cycles such as day and night, seasons, and tides.

Duration: 1 hr Scoring: 0 points

### Checkup: The Earth-Sun-Moon System

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

#### **Review: The Earth-Sun-Moon System**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: The Earth-Sun-Moon System**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

#### Lab: The Earth-Sun-Moon System

Build a 3D model of the Earth-Sun-Moon system to explain the causes of day and night, seasons, the lunar cycle, and solar and lunar eclipses.

Duration: 3 hrs Scoring: 50 points

### **Quiz: The Earth-Sun-Moon System**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 3: THE SOLAR SYSTEM**

## **Study: The Solar System**

Learn about objects in our solar system, including planets, moons, comets, and asteroids.

Duration: 1 hr Scoring: 0 points

## **Checkup: The Solar System**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: The Solar System**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: The Solar System**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: The Solar System**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

#### **LESSON 4: WRAP-UP: FORCES IN THE SOLAR SYSTEM**

### Discuss: Forces in the Solar System

Discuss how to apply math to a real-world phenomenon.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Review: Forces in the Solar System**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### Test (CS): Forces in the Solar System

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

## **UNIT 10: BEYOND OUR SOLAR SYSTEM**

### **LESSON 1: THE UNIVERSE**

### **Study: The Universe**

Learn how our universe formed and about its general structure.

Duration: 1 hr Scoring: 0 points

### **Checkup: The Universe**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## **Review: The Universe**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Explore: The Universe**

Research scientific ideas about how the universe began.

Duration: 2 hrs Scoring: 35 points

# **Quiz: The Universe**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

# **LESSON 2: THE SUN AND OTHER STARS**

## Study: The Sun and Other Stars

Learn how stars form and evolve, as well as about the structure of our Sun.

Duration: 1 hr Scoring: 0 points

## **Checkup: The Sun and Other Stars**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

#### **Review: The Sun and Other Stars**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

#### **Practice: The Sun and Other Stars**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### Lab: The Sun and Other Stars

Build a 3D model of the Sun's structure, features, and rotation.

Duration: 3 hrs Scoring: 50 points

### **Quiz: The Sun and Other Stars**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

#### **LESSON 3: WRAP-UP: BEYOND OUR SOLAR SYSTEM**

# **Discuss: Beyond Our Solar System**

Discuss real-world applications of the concepts.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Review: Beyond Our Solar System**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### Test (CS): Beyond Our Solar System

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

### **UNIT 11: SPACE EXPLORATION TECHNOLOGY**

### **LESSON 1: THE ELECTROMAGNETIC SPECTRUM**

### Study: The Electromagnetic Spectrum

Learn the properties of electromagnetic waves and how these waves transmit light.

Duration: 1 hr Scoring: 0 points

### **Checkup: The Electromagnetic Spectrum**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: The Electromagnetic Spectrum**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: The Electromagnetic Spectrum**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: The Electromagnetic Spectrum**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 2: WAVES AND TECHNOLOGY**

# **Study: Waves and Technology**

Learn how various technologies use waves.

#### **Checkup: Waves and Technology**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

## **Review: Waves and Technology**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

### **Practice: Waves and Technology**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Quiz: Waves and Technology**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 3: EXPLORING SPACE**

### **Study: Exploring Space**

Learn about the history and future of space exploration.

Duration: 1 hr Scoring: 0 points

### **Checkup: Exploring Space**

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

### **Review: Exploring Space**

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

## **Practice: Exploring Space**

Submit your work for a set of practice problems.

Duration: 0 hrs 20 mins Scoring: 10 points

#### **Quiz: Exploring Space**

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 15 points

### **LESSON 4: WRAP-UP: SPACE EXPLORATION TECHNOLOGY**

### **Discuss: Space Exploration Technology**

Discuss careers that involve science.

Duration: 0 hrs 20 mins Scoring: 10 points

### **Review: Space Exploration Technology**

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

### **Test (CS): Space Exploration Technology**

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 30 mins Scoring: 30 points

## **UNIT 12: SEMESTER WRAP-UP**

## **LESSON 1: SEMESTER WRAP-UP**

### **Review: Semester Wrap-Up**

Duration: 0 hrs 30 mins Scoring: 0 points

#### **Exam: Semester Exam**

Duration: 0 hrs 40 mins Scoring: 105 points