

# Eighth-Grade Science, Part 1 (GSCI-035-S003)

## Syllabus

### Course Learning Outcomes

There are four main areas that you should master during this course:

1. Describe the organization of the world around us, first on an atomic level, and then on a macroscopic, familiar level (from atoms to objects we use daily).
2. Explain and provide several examples of different types of energy and discuss how energy changes from one form to another.
3. Identify and utilize simple machines in everyday life.
4. Define motion and the various items that affect motion.

### Course Materials

- You will not need a textbook to complete this course. All of the information you need is in the lessons.
- If you have access to a physical science or life science (primarily physical science) textbook, you should consult it and try some practice problems. The more practice you get, the more logical and intuitive the information in this course will become to you.
- There are mathematical equations that you will probably need a calculator to solve. The math is simple enough that you should be able to solve it in a few computations.

# Assignments

You will complete these assignments during the course.

There are Self Check questions throughout each unit that are good practice questions, and they are not graded. The unit and review quizzes are graded for credit. You will want to go back and study the Self Check questions before you take the unit and review quizzes.

The computer-graded unit and review quizzes are open book and open notes. However, if you use the lesson material or your notes to answer any questions in the unit and review quizzes, you should review those concepts before you take the final exam.

## Exams

You will complete one proctored final exam for this course. See the Exam Preparation page for details.

This course has a final exam with 60 multiple-choice questions.

## Grading

Your grade in this course will be based on these assignments and exams:

Assignment or Exam	Grading	Percent of Total Grade
6 Unit Quizzes	Computer	60%
2 Review Quizzes	Computer	10%
1 Proctored Final Exam*	Computer	30%

\* You must pass the final exam with at least a 60% to earn credit for the course.

# Grade Scale

Your letter grade is calculated according to these percentages.

<b>A</b>	100% – 93%
<b>A–</b>	92% – 90%
<b>B+</b>	89% – 86%
<b>B</b>	85% – 83%
<b>B–</b>	82% – 80%
<b>C+</b>	79% – 76%
<b>C</b>	75% – 73%
<b>C–</b>	72% – 70%
<b>D+</b>	69% – 66%
<b>D</b>	65% – 63%
<b>D–</b>	62% – 60%
<b>E (fail)</b>	59% – 0%