



## Earth Science: Part 1

**Course number:** SC031\_22\_1

**Credits:** .5 credit

**Prerequisites:** None

### INSTRUCTIONAL TEAM

Our Academic Advisors are also available to help you when you need it. They are trained to provide answers to your questions about the course or program.

**Phone:** 1-800-224-7234

**Hours:** 8:30AM – 8:30PM (Eastern Standard Time), Monday-Friday

### MAIL

James Madison High School  
5051 Peachtree Corners Circle, Suite 200  
Norcross, GA 30092

### Course Materials

All of your course materials are included in this course experience. You'll find it easiest to study this course by following these steps:

- Look over the syllabus, paying close attention to the course and lesson objectives.
- Read each objective. Pay close attention to main concepts and definitions.
- Complete each assignment as you come to it.
- When you've completed each assignment, look over the lesson review.
- When you're confident you understand the material, complete the lesson exam.

### COURSE DESCRIPTION

In this course, you'll learn about the various branches of Earth science. You'll study the steps of the scientific method and learn the differences among scientific hypotheses, theories, and laws. In addition, you'll learn how scientists communicate their findings. You'll learn about the two types of weathering—physical and chemical—and some of the processes that contribute to each type. You'll study different types of surface water, such as streams, lakes, and wetlands. You'll learn about the layers of Earth's atmosphere. You'll learn about weather and the world's oceans. Finally, you'll study climate and climate change.



## LEARNING OBJECTIVES

After completing Earth Science: Part 1, students will be able to:

- Explain the basic principles and methods of earth science
- Discuss the various surface processes on Earth.
- Identify features of Earth's atmosphere and oceans

LESSONS	TOPICS
Lesson 1:	Basics of Earth Science
Lesson 2:	Surface Processes on Earth
Lesson 3:	The Atmosphere and the Oceans

## GRADING

The following point totals correspond to the following grades:

POINTS	GRADE
100-90	A
89-80	B
79-70	C
65-69	D
Below 65	F

James Madison High School allows 2 attempts on exams. If a student is not satisfied with his/her score on the 1st attempt, an exam may be resubmitted. The 2nd attempt is not required as long as the final course average is above 65%. The higher of the 2 attempts will be the score that counts towards the final average.

Exams are timed and once you begin an exam, the timer runs continuously, even if you leave the course. Refer to the exam instructions for the time limit (in most cases 3 hours), but the time limit cannot be spread over multiple days.



## GRADE WEIGHT

TOPIC	ACTIVITY	PERCENTAGE
<b>Lesson 1:</b> Basics of Earth Science	Quiz	33.3%
<b>Lesson 2:</b> Surface Processes on Earth	Quiz	33.3%
<b>Lesson 3:</b> The Atmosphere and the Oceans	Quiz	33.4%

## ACADEMIC AND COURSE POLICIES

Please see the Academic Policies section in the [James Madison High School Catalog](#) for information on Course policies, including the Exam/Assignment Retake Policy, Grading Policy, Academic Honesty Policy, and Student Conduct Policy.



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### COURSE DESCRIPTION

In this course, you'll discover how change across the Earth's surface is driven by complex geological processes. You'll learn about plate tectonics, one of the fundamental phenomena that drive global change. You'll study the fundamentals of geological time and many important events that have occurred throughout Earth's history. You'll be introduced to the evidence for these important events and how they have shaped all aspects of Earth's surface and the atmosphere. Finally, you'll learn about renewable and nonrenewable resources, as well as how the uses of each have contributed to changes in the environment.



## LEARNING OBJECTIVES

After completing Earth Science: Part 2, students will be able to:

- Explain the causes of geologic activity.
- Describe the impact of human activity on natural resources.
- Explain the formation and properties of the solar system and universe.

LESSONS	TOPICS
Lesson 4:	Dynamic Earth
Lesson 5:	Geological Time
Lesson 6:	Beyond Earth

## GRADING

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100-90	A
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## GRADE WEIGHT

TOPIC	ACTIVITY	PERCENTAGE
<b>Lesson 4:</b> Dynamic Earth	Quiz	33.3%
<b>Lesson 5:</b> Geological Time	Quiz	33.3%
<b>Lesson 6:</b> Beyond Earth	Quiz	33.4%

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