



Physical Science: Part 1

Course number: SC021_23_1

Credits: .5 credit

Prerequisites: None

INSTRUCTIONAL TEAM

Teacher: Ms. Lynette Lane

Email: llane@jmhs.com

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

6625 The Corners Parkway, Suite 500

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

This course will introduce you to concepts that affect your daily life, including applications and devices you encounter throughout your day. You'll review various types and properties of bodies in motion, how things move, the rate at which they move, and items affecting their motion. You'll learn how to describe these properties and relationships through both text and calculations. You'll also explore properties and sources of heat, temperature changes, and modes of transmission. You'll be tasked with calculating unknown variables for heat-related problems and investigating heat-related substances and devices, such as engines.



LEARNING OBJECTIVES

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

- Explain how objects move when forces are applied
- Describe the effects of heat energy on matter

LESSONS	TOPICS
Lesson 1:	Motion and Forces
Lesson 2:	Heat: A Form of Energy

GRADING

The following point totals correspond to the following grades:

POINTS	GRADE
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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
Lesson 1: Motion and Forces	Quiz	50%
Lesson 2: Heat: A Form of Energy	Quiz	50%

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.



Physical Science: Part 2

Course number: SC022_23_1

Credits: .5 credit

Prerequisites: None

INSTRUCTIONAL TEAM

Teacher: Ms. Lynette Lane

Email: nwebb@jmhs.com

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

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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

After you complete this course, you'll better understand musical sounds and how sound waves work. You'll also be able to classify matter while looking at laws that govern how matter interacts. The technology and products you use every day result from nuclear and organic chemistry. You'll review the development and properties of electricity, magnetism, currents, and circuitry.



LEARNING OBJECTIVES

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

- Analyze waves and radiation
- Apply the principles of chemistry
- Determine what scientific principles apply to electricity and electronics

LESSONS	TOPICS
Lesson 3:	Light and Sound
Lesson 4:	Chemistry
Lesson 5:	Electricity and Electronics

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
Lesson 3: Light and Sound	Quiz	33.3%
Lesson 4: Chemistry	Quiz	33.3%
Lesson 5: Electricity and Electronics	Quiz	33.4%

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