

2022-2023 Course Syllabus



603 Walker Drive
Locust Grove, GA 30248
770-898-9822

Course Name: **Physical Science**
Department Name: **Science**

Teacher Information

Name: Lisianna Wilson

Phone: 678-826-2520 (Google Voice)

Office Hours: 3:45 p.m.-4:45 p.m.

E-Mail: lisianna.wilson@henry.k12.ga.us

School Attributes

Mission Statement

Luella High School will graduate each student college and career ready - life ready.

Our Vision

Working together as a complete school community, Luella High School will provide each student and staff member with the highest quality opportunities to grow, explore and own her/his growth and success.

Our Beliefs

- *We believe that our work is about producing a well-educated, productive community member who will embrace lifelong learning, both traditionally as well as non-traditionally.
- * We believe in a safe, orderly, caring environment for all staff and students that builds on individual strengths through personalization.
- * We believe that learning and becoming college/career ready is the key to a successful future in all areas of life.
- * We believe in the Lion character embodied by personal integrity, honor, courage, personal responsibility, service to the community, determination, self-awareness and commitment.
- * We believe in each person accepting responsibility for their own actions.
- * We believe each person should be continuously committed to the betterment of their community.
- * We believe in the freedom of each individual to voice their perspectives in an appropriate, responsible manner.
- * We believe in the value of diverse opinions, backgrounds, and experiences.

Heather Hausser
Tammy Staten-Daniels, Ed.D.
Cedric A. Nash
Lydia Powell, Ed.D
Assistant Principals

PREPARING EACH STUDENT FOR COLLEGE, CAREER, AND LIFE

* We believe in the importance of self-confidence and one's ability to succeed through personal discipline, determination, and hard work.

* We believe in the importance of an effective system for consistent communication between and among staff, students, and administration.

Course Description:

This laboratory science course consists of one semester of introductory level Chemistry and one semester of introductory Physics which is structured to teach and utilize the scientific method and metric measurements in all units. Emphasis is placed on inquiry-style learning and the development of skills such as observing, inferring, data collecting, and graphing.

Course Competencies/ Learning Targets

Students who successfully complete Physical Science will be competent in the following areas:

- Students will be able to explain relationships among force, mass, and motion.
- Students will be able to explain transformations and the flow of energy within a system.
- Students will be able to explain the properties of waves.
- Students will be able to explain the properties and relationship of electricity and magnetism.
- Students will be able to utilize information from the Periodic Table to explain the relative properties of elements based on patterns of atomic structure.
- Students will be able to explain the Law of Conservation of Matter and properties of solutions.
- Students will be able to explain the changes in nuclear structure as a result of fission, fusion and radioactive decay.

Student Evaluation

The grading system for Henry County School System will be used to evaluate students:

90-100=A

80-89=B

74-79=C

70-73=D

Below 70=F

*Please refer to the [2022-2023 HCS Student Parent Handbook](#) located on the Henry County School System webpage.

Graded assignments will focus on students’ gaining mastery, and grades will be calculated per Henry County Schools policy as follows:

Assessments	40%	Unit Assessments, projects (to include essays, research projects, etc)
Pract Practice Work	40%	Classwork, homework, formative assessments/quizzes, discussions, peer review, reflections
Final Exam	20%	Semester/Final Assessments

Attendance Policy

Students will follow the Henry County Schools and Luella High School attendance policies. [2022-2023 HCS Student Handbook](#)

Classroom Expectations

1. Students will be seated in the class before the bell rings and prepared to learn.
2. Students will complete all assignments by all deadlines, even if you are absent the day the assignment is due. If you need additional time or need to reattempt an assignment, it is your responsibility to see me for your work before or after school.
3. All students will be silent and respectful while others are addressing the class as a whole.
4. The teachers and students will work together for a respectful, safe classroom where we encourage each other to learn and grow as individuals and as a whole.
5. Participation in class discussions will enhance all students' learning experiences.
6. Students are expected to study 20-30 minutes a day at home by rewriting notes, reattempting assignments, or completing unfinished work.

Class Requirements

Required Class Supplies

- Dedicated Notebook
- Writing Utensils

Recommended Class Supplies

- Highlighters
- Colored Pencils
- Notecards
- Ruler

Late Work Policy

Make-Up Work

Following an absence, it is the student's responsibility, not the teachers' to arrange for make-up work or missed assessments. Students should ask the teacher for any missed assignments on the first day they return to school before or after class/school. The number of days allowed to complete make-up work will not exceed the number of days absent except under extenuating circumstances as determined by the teacher.

Unit Reassessments/Retake

Reassessment/Retakes may be completed for unit assessments per student request for students scoring below 70 on the unit assessment. The retake/reassessment request **must be** completed within **one week** from the day the grade is entered into the gradebook. Keep in mind that while a retake may cover the same content, it may contain different questions from the original assessment. ****Remediation/tutoring will be required before a retake/reassessment is administered (see your teacher for the tutoring schedule).**

Plagiarism, Cheating, and Academic Integrity

Plagiarism is the practice of copying words, sentences, images, or ideas for use in written or oral assessments without giving proper credit to the source. Cheating is defined as the giving or receiving of illegal help on anything that has been determined by the teacher to be an individual effort. Both are considered serious offenses and will significantly affect your course grade. Please refer to the Student Code of Conduct booklet for additional information. [2022-2023 HCS Student Handbook](#)

Methodology

A combination of lecture, class discussion, presentations, videos, cooperative learning, inquiry-based labs, and problem-based learning will be used in this course. Grades will be determined by the satisfactory and timely completion of assignments. The grade of each assignment is based on the prerequisite given for each

assignment. Below is an overview of topic/ units and major assessments/assignments for this course. Please note dates/timeframes are subject to change and are an estimate.

Course Plan/Schedule

Unit/ Topic	Assessments/Assignments	Month/ Timeframe
Unit 1: Motion and Force	Common Formative Assessments (CFA), Unit Assessments, Unit Projects, Quizzes, Practice Work, Labs	5 weeks
Unit 2: Energy	Common Formative Assessments (CFA), Unit Assessments, Unit Projects, Quizzes, Practice Work, Labs	4 weeks
Unit 3: Waves	Common Formative Assessments (CFA), Unit Assessments, Unit Projects, Quizzes, Practice Work, Labs	5 weeks
Unit 4: Electricity and Magnetism	Common Formative Assessments (CFA), Unit Assessments, Unit Projects, Quizzes, Practice Work, Labs	4 weeks
Semester Exam	1 st Semester Review (Unit 1 – Unit 4)	12/2022
Unit 5: Matter	Common Formative Assessments (CFA), Unit Assessments, Unit Projects, Quizzes, Practice Work, Labs	6 weeks
Unit 6: Reactions	Common Formative Assessments (CFA), Unit Assessments, Unit Projects, Quizzes, Practice Work, Labs	6 weeks
Unit 7: Nuclear Energy	Common Formative Assessments (CFA), Unit Assessments, Unit Projects, Quizzes, Practice Work, Labs	3 weeks
Enrichment and Remediation	Remediation, Units Review	4/2023 – 5/2023
Final Exam	2 nd Semester Review, Final Exam (Unit 5 – Unit 7)	5/2023

*The instructor reserves the right to change or deviate from the syllabus at any given time with or without notice.

(Detach this page and return it to your science teacher as soon as possible.)

Please acknowledge that you have read and understand the information explained in the above

syllabus.

Print Student Name

Student Signature

Parent/Guardian Signature

Parental Contact Information

Do you (parent or student) have any questions, concerns, or requests at this time?
