

PHYSICS SYLLABUS

2014-2015 Academic Year

COURSE NUMBER: 5754

Room Number: 126

PHONE: (770) 474-8747

Website: <http://schoolwires.henry.k12.ga.us//Domain/6162>

INSTRUCTOR: Mr. D. Patel

EMAIL: dharmendrakumar.pate@henry.k12.ga.us

Voicemail #: 383 (Patel Only)

Periods: 3, 5

Glencoe Physics Text Website:

http://glencoe.mcgraw-hill.com/sites/0078458137/student_view0/

<http://www.glencoe.com/ose/>

Text: *Glencoe Physics: Principles and Problems*, 2009. Replacement cost of the text is \$76.14

Course Description: The Physics curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in physics. This curriculum includes more abstract concepts such as interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students investigate physics concepts through experience in laboratories and field work using the processes of inquiry.

Materials List:

Three ring binder (2" width)

4 notebook Dividers (Notes, Assignments, Test/Quizzes, Labs)

Calculator (may use the same that is intended for math)

Graph Paper Notebook

Pens, paper, pencils, color Highlighters (3-4 colors)

Composition Notebook (2)

NOTE: It is important that you bring all materials to class daily. Supplies will be available on a limited basis. Please see Mr. Patel if you are having difficulty purchasing any materials.

Course Concepts:

Motion, Forces, Energy, Waves, and Electricity and Magnetism

Course Outline:

Unit 1	One Dimensional Kinematics	Unit 7	Waves and Sound
Unit 2	Vectors and Two Dimensional Kinematics	Unit 8	Optics
Unit 3	Newton's Laws of Motion	Unit 9	Electric Charge, Forces, and Fields
Unit 4	Work and Energy	Unit 10	Electric Potential and Electric PE
Unit 5	Linear Momentum and Collisions	Unit 11	Electric Current and DC Circuits
Unit 6	Rotational Motion and Gravity	Unit 12	Magnetism

Grading:

Grading Scale:

Course Final Grade	80%	A (90-100)
Daily Assessments		B (80-89)
Test/Projects (Summative)		C (74-79)
Final Exam	20%	D (70-73)
		F (≤ 69)

You are expected to keep a neat and organized notebook. Your notebook should be divided into the following sections:
1. Notes 2. Homework and supplemental materials 3. Tests

You will not regret keeping this notebook, as it will provide a safe haven for all of the materials you will need to use to prepare for assessments.

Daily: Consists of homework, class work, and quizzes. It is very important that you complete all homework assignments. Homework assignments are given to enhance learning and promote student success.

Tests/Projects: Expect a test at the end of each chapter and/or unit which is about every two weeks. It is very important that you take every measure possible to prepare for tests because they are a major part of your grade. When projects are assigned you are expected to put forth your very best effort.

Science Fair: Everyone is expected to complete a science fair project. This is a requirement for ALL SCIENCE CLASSES and should be taken very seriously. **All science fair grades will be test grades so please take this project as**

seriously as the instructor. You will receive a separate packet of information. Please visit my website for additional information.

Laboratory Procedures: You must follow all lab safety rules when conducting a lab. Specific safety issues will be emphasized at the beginning of each lab. You are also required to sign a lab safety contract to verify that you have read all lab safety rules before the first lab. This is a **legally binding document**. All lab work will be kept in a lab notebook which is separate from your notebook. Please follow the guidelines provided to you in class.

Make-up Work: All work is expected to be completed for any absences. Time allotted to complete work will be conducive to county guidelines. You will not be allowed to make up work for unexcused absences. **Please see late work policy below!!!**

50% OFF Late Work Policy: All students will have the opportunity to make up work that is not submitted on time (projects and research assignments excluded). **STUDENTS WILL BE ALLOWED TO TURN IN LATE WORK IN THE TIME PERIOD ALLOTTED FOR A 50% PENALTY. NO WORK WILL BE ACCEPTED AFTER THIS TIME PERIOD.**

Class Rules: Daily Procedures:

1. You are expected to adhere to all rules set forth by SHS.
2. Be prepared when you enter the classroom. **You will only be permitted to leave class 3-times/ semester. This includes restroom passes.**
3. No eating, drinking, or chewing gum.
4. Sharpen pencils or throw away paper at the very beginning of class. **Do not do this in the middle of class as it is very rude and disruptive.**
5. Enter the room prepared to work. All assignments are to be turned in upon entering to classroom. You are expected to sit in your assigned seat.
6. You must be acknowledged before contributing to any class discussions.
7. **Always clean up after yourself. It is not my job to clean after you.**
8. **Respect yourself and others. This is the golden rule in my class.**
9. Use very special care when handling lab materials. You are responsible for any broken materials due to negligence.

Tardy/Discipline Procedures:

Tardy (1st-Warning) (2nd- Detention Wednesday afterschool) (All others- Referral)

NOTE: A DETENTION OF \geq 10 MINUTES WILL BE WRITTEN UP AS SKIPPING

First Offense : Warning (written and verbal)

Second Offense : Parent Contact

Third Offense : Detention (**With me in my class. Detention work will be provided**)

Fourth Offense : Office Referral

Certain offenses may warrant skipping the first three steps.

ELECTRONIC DEVICES- ADMINISTRATION WILL NOT HANDLE ISSUES REGARDING ANY ELECTRONIC DEVICES. YOU BRING THEM AT YOUR OWN RISK!!

Academic Honesty:

You are expected to do your own work. Cheating will result in a zero for the assignment, **discipline referral**, and immediate parent contact. You are only cheating yourself when you fail to do your own work.

Attendance:

Failure to attend class will negatively impacts your grade, please attend class. Make-up lab dates will be posted for each lab. Please review the attendance for Henry County in the student handbook as these govern the attendance policy for the class.

PHOTOGRAPHY CONSENT: It is standard in class to chronicle the year through the use of photography. The photos are used on the teacher website and in class brochures. Please know that the identity of students will never be revealed. Please initial below if you comply with your child's picture being taken and used for educational purposes.

Student Signature _____ Parent Signature _____ Date _____

PLEASE KEEP A SIGNED COPY OF THIS SYLLABUS IN YOUR NOTEBOOK AT ALL TIMES!!!!

*Stockbridge High School
Physics Course Syllabus*

Instructor: Mr. D .Patel

Room #: 126

Year: 2014-2015

Course Name: Physics

Semester: Fall and Spring

Textbooks Used: Physics, Glencoe

The signature of parent/guardian and student below indicates that both has read and understands the information outlined in Mr. Patel's syllabus. If you have any question, please contact Mr. Patel.

Phone: (770) 474-8747

E mail: dharmendrakumar.pate@henry.k12.ga.us

Student's Name: _____ Signature: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

Home Phone _____

Name: _____

Cell: _____

Name: _____

Cell: _____

Email: _____

OK to email Grades _____