

Forsyth County Schools Course Syllabus 2023/2024

COURSE TITLE:	Advanced Placement Physics C: Mechanics		
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Course Description (GaDOE/College Board): This course should provide instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Laboratory experiences should be included as part of the instruction. Students taken this course should be able to: design experiments; observe and measure real phenomena; organize, display, and critically analyze data; analyze sources of error and determine uncertainties in measurement; draw inferences from observations and data; and communicate results, including suggested ways to improve experiments and proposed questions for further study.

Standards: Course Content Standards can be found onp. 22 <https://apcentral.collegeboard.org/pdf/ap-physics-c-mechanics-course-and-exam-description.pdf>

Required Assignments:

Summative Assessments (75% of semester average)

- o Final and Midterm (2.0)
- o Major Tests (1.0)
- o Summative (Inclass) Quizzes (0.25)
- o Lab Reports (0.25)

Formative Assessments (25% of semester average)

- o Homework (weekly aver)
- o Class work (weekly aver)
- o Formative (WebAssign) Quizzes (2.0)

Required Materials: Scientific Calculator

Availability for Extra Help: I am usually available from 8:00am – 9:00am M, Tues, Thurs, You may also arrange to see me during Instructional Focus (IF) every Wed. and Fri.

Makeup Work: Make up work is defined as work assigned during a student's absence, not work assigned prior to an absence. The student has five (5) school days upon returning to school to complete make-up work. The teacher has the discretion to grant a longer period to make up work if there are extenuating circumstances.

Grading Calculations:

Course Average = 50% (1st Sem. Course Work) + 50% (2nd Sem. Course Work) 1st and 2nd
Semester Course Work = 75% Summative + 25% Formative

Grading Policy:

A = 90 – 100

B = 80 – 89

C = 70 – 79

Failing = Below 70

Formative Assessments include, but are not limited to, homework, class work, mini-labs, Online Quizzes, investigations, practice tests, rough drafts, and sections of projects/research papers/presentations.

Summative Assessments include, but are not limited to, unit tests, In-class Quizzes, Labs, final projects, final essays, formal lab reports, final research papers, and final presentations.

Learning Resources/Textbook(s): All learning resources, both print and digital, are meant to support and enhance the student learning experience in this class. Below are the names of the textbooks and websites that will be used in this course. Some of the web-based resources require parent permission per federal regulations. Federal laws that guide parent permission requirements are as follows:

- **Children's Internet Protection Act (CIPA):** The school is required by CIPA to have technology measures and policies in place that protect students from harmful materials including those that are obscene and pornographic. Any harmful content contained within inappropriate sites will be blocked.
<http://fcc.gov/cgb/consumerfacts/cipa.html>
- **Children's Online Privacy Protection Act (COPPA):** COPPA applies to commercial companies and limits their ability to collect personal information from children under 13 years of age. No personal student information is collected for commercial purposes.
<https://www.ftc.gov/tips-advice/business-center/guidance/complying-coppa-frequently-asked-questions-0>
- **Family Educational Rights and Privacy Act (FERPA):** FERPA protects the privacy of student education records and gives parents the right to review records. Under FERPA, schools may disclose directory information in certain circumstances. <http://www2.ed.gov/policy/gen/guid/fpco/ferpa>

Please review the resource list. Each website related to the curriculum resources is provided along with its privacy policies. Should you have any questions regarding these resources, immediately contact the course teacher via email or phone.

Name of Resource*	Hard copy/Website	Privacy Policy
Cengage	Digital platform for <i>Cengage AP Physics CM</i> textbook, supplemental, and assessment material (accessed via ClassLink)	https://corporate.cengage.com/privacy/k12-notice/
Explore Learning	Digital supplemental material (accessed via ClassLink)	https://www.explorellearning.com/index.cfm?method=Controller.dspPrivacy
Newsela	Digital supplemental material (accessed via ClassLink)	https://newsela.com/about/privacy-policy/
phyphox	Lab probe through smartphone APP	https://phyphox.org

* The following resources are county approved. These resources may vary by school due to sequencing, pacing, curriculum design, and/or individual needs of students.

"As a part of their participation in AP Courses, students may be expected to utilize accounts created with the College Board via their official website. These accounts provide students with access to AP Course resources, AP Exam practice materials, individualized results from AP Exams and other assessments offered by the College Board. Parents and students should review the College Board privacy policies and collaboratively create and manage this account. For additional information, please contact the AP Coordinator at your student's school, and visit <https://privacy.collegeboard.org/privacy-center/>."

I, _____, have read this course syllabus and approve of its contents. I agree to allow my student to use each of the classroom resources listed in the learning resource section. I will support my student in following the classroom expectations outlined in this course syllabus. I agree that I am the person who is legally allowed to consent for my student, whose name is listed below.

_____ Student's Name (Print)

_____ Parent's Name (Print)

_____ Parent Signature

_____ Date

