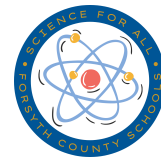


Forsyth County Schools

Physics Syllabus 2024/2025



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Course Description (GaDOE): 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. This course introduces the students to the study of the correction to Newtonian physics given by quantum mechanics and relativity. Students investigate physics concepts through experience in laboratories and field work using the processes of inquiry.

Standards: *Course Standards can be found at*

<https://lor2.gadoe.org/gadoe/file/4c8cb053-4fde-4850-a917-40d71763a719/1/Science-Physics-Georgia-Standards.pdf>

Required Assignments: This course consists of ten units. Within each unit students will be expected to complete assigned classwork, WebAssign, quizzes, labs, and unit tests. A unit test will be given at the completion of each unit. Formative assessments such as laboratory reports, classwork, WebAssign, and quizzes will be given for each unit. Test dates will be announced and posted to Canvas several days in advance. Depending on the nature of projects, they will either be a formative or summative grade.

Required Materials: For the most effective learning throughout the course, students will need a 3-ring binder with dividers for each unit. Students will be responsible for keeping their daily work and labs for use at the end of each unit. Students will also need a scientific calculator everyday. I recommend a TI-30XS Multiview or similar model.

Availability for Extra Help: Mondays and Thursdays morning at 8 am and by appointment during IF and the afternoons after school.

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, labs, investigations, practice tests, rough drafts, and sections of projects/research papers/presentations.

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

Academic Integrity

- *It is the expectation of Forsyth County Schools that students exhibit academic integrity when submitting evidence of learning. When students submit evidence that does not authentically represent what they*

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know and can do, the evidence is rendered invalid. Examples of academic dishonesty are outlined in both the Family Engagement Guide & Student Handbook and The Forsyth County Schools Code of Conduct. Depending on the severity of the situation, academic dishonesty/cheating may result in the loss of credit, completing an alternative assignment and/or disciplinary consequences up to a tribunal referral.

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.

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

Name of Resource*	Hard copy/Website	Privacy Policy
Glencoe <i>Physics: Principles & Problems</i>	Class set of textbooks	Not applicable
Explore Learning	Digital supplemental material (accessed via ClassLink)	https://www.explorellearning.com/index.cfm?met hod=Controller.dspPrivacy
Discovery Education	Digital supplemental material (accessed via ClassLink)	https://www.discoveryeducation.com/privacy-policy/
Pivot Learning	Digital supplemental material (accessed via ClassLink)	https://www.pivotlearning.org/pivot-privacy-policy/
WebAssign	Digital supplemental material (accessed via ClassLink)	https://webassign.com/corporate/security/

**** The following resources are web-based resources that require parent permission. By signing the syllabus, the parent is approving these resources. Should you have any questions regarding any of these classroom resources, please contact your student's teacher via email.**

Parent Initial for Approval **	Name of Resource	Website	Privacy Policy
	Khan Academy Chemistry	khanacademy	Privacy Policy
	Youtube (Crash Course,	YouTube	community guidelines

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	etc.)		
	PhET	PhET Simulations	Privacy Policy
	GimKit	https://www.gimkit.com/	Privacy Policy
	Physics Classroom	https://www.physicsclassroom.com/	https://www.physicsclassroom.com/Privacy-Policy

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 Name (Print)

Parent Signature

Date