

COURSE TITLE: **Physics**

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Forsyth County Schools Course Syllabus 2020/2021

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.

Standards: Course Standards can be found at www.georgiastandards.org or you can post them on your webpage and/or offer a copy to parents. Students and parents must be made aware of how you will provide standards and how they can gain access to them.

Required Assignments: Students will have a weekly homework, along with homework and quizzes along with an egg-drop project at end of First Semester.

Availability for Extra Help: I am available during IF or in the mornings at 7:30 am.

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:

High School EOC Course Average = 40% (1st Sem. Course Work) + 40% (2nd Sem. Course Work) + 20% EOC

1st and 2nd Semester Course Work = 75% Summative + 25% Formative

Non-EOC 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, quizzes, 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, final research papers, quizzes, labs, and final presentations.

Learning Resources/Textbook(s): All learning resources, both print and digital, are meant to support and enhance the student learning experience of 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>

Initials _____ (every page initialed by parent)

Updated June 2020 dp

- **Children’s Online Privacy Protection Act (COPPA):** COPPA applies to commercial companies and limits their ability to collect personal information from children under 13years 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 their privacy policies. Should you have any questions regarding these resources immediately contact the course teacher via email or phone.

| Name of Resource* | Digital | Privacy Policy |
|--|---|---|
| Physics: Principles & Problems - Glencoe (2009) | Open Source eReader | Terms of Service |
| College Physics by Serway/Chris Vuille | AP Physics Cengage/NGLsync | https://www.cengage.com/privacy |
| College Physics - Reasoning and Relationships - Cengage (2015) | AP Physics Cengage/NGLsync | https://www.cengage.com/privacy |
| Physics for Scientists & Engineers - Cengage (2014) | AP Physics Cengage/NGLsync | https://www.cengage.com/privacy |
| OpenStax | On-level Physics Algebra-based College Physics | Terms of Service |
| Georgia Virtual School | On-level Physics AP Physics I AP Physics II AP Physics C Electricity AP Physics C Mechanics | http://www.gavirtuallearnin.org/terms.aspx |
| Discovery Education | Classlink Access SP1-SP6 | Discovery Media Terms of Use |
| NewsELA Physics | Classlink Access CLEVER | NewsELA Privacy Policy |
| CK-12 FlexBook: Physics | Classlink Access CLEVER | CK-12 Terms of Use |
| Georgia Public Broadcasting Streaming Inquiry Labs | GPB Chemistry & Physics | GPB |

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

| Parent Initial for Approval ** | Name of Resource | Website | Privacy Policy |
|--------------------------------|-----------------------|---|--------------------------------|
| | M.I.T. OpenCourseware | M.I.T. Science, Technology, & Society | Privacy Policy |

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|--|--|--------------------------------------|--|
| | Physics and Engineering Solutions | Relevancy Textset | NewsELA Privacy Policy |
| | Veritasium | Veritasium Channel | |
| | TED-ED | TED-ED Channel | |
| | Kurzgesagt | Kurzgesagt channel | |
| | Hyperphysics | Hyperphysics Website | |

**** 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.**

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 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