**Physics A**   
Fulton Virtual School

**Course Description**

Students explore physical science by engaging in science and engineering practices and crosscutting concepts to better understand more abstract concepts such as nuclear decay processes, interactions of matter and energy, velocity, acceleration, force, energy, momentum, properties and interactions of matter, electromagnetic and mechanical waves, and electricity, magnetism and their interactions. Students investigate physics concepts through experiences in laboratories using the science and engineering practices.

**Course Objectives**

Throughout the course, you will meet the following goals:

* SP1. Obtain, evaluate, and communicate information about the relationship between distance, displacement, speed, velocity, and acceleration as functions of time.
* SP2. Obtain, evaluate, and communicate information about how forces affect the motion of objects.

1SP3. Obtain, evaluate, and communicate information about the importance of conservation laws for mechanical energy and linear momentum in predicting the behavior of physical systems.

**Student Expectations**

This course requires the same level of commitment from you as a traditional classroom course. Throughout the course, you are expected to spend approximately 5 – 7 hours per week on:

* Interactive lessons that include a mixture of instructional videos and tasks.
* Assignments and labs in which you apply and extend learning.
* Assessments, including performance tasks, quizzes, tests, and cumulative exams.

**Communication**

Communication is extremely important to successful participation in an on-line course. Your teacher will communicate with you regularly through discussions, e-mail, chat, and personal visits. You should communicate with your teacher through email, text, or phone call.

**Grading Policy**

Fulton County Board of Education has established the following grading scale.

A 90-100

B 80-89

C 70-79

F Below 70

You will be graded on the work you do online and the work you submit electronically to your teacher. The weighting for each category of graded activity is listed below.

|  |  |
| --- | --- |
| **Grading Category** | **Weight** |
| Quizzes | 10% |
| Tests | 20% |
| Assignments | 15% |
| Labs | 10% |
| Projects | 30% |
| Cumulative Exam | 15% |

**Fulton Virtual School Recovery Policy**

Recovery is an additional opportunity for students to demonstrate mastery of content standards. If a student’s cumulative course average falls below a 70, the student may be eligible for recovery. Students who successfully demonstrate mastery will not only improve their cumulative average but will be more prepared to succeed in the course.

Students may initiate recovery on major assessments as long as they have made a legitimate effort to meet all course requirements including submitting work on time. So that students stay focused on the content at hand and don’t become overwhelmed and fall too far behind, they must initiate recovery on a major assessment within five school days of being informed of the grade on that assessment. To best prepare students for the recovery assignment and set them up for success, students will be required to complete all assignments for the unit (even if they do not receive credit). The format of the recovery assignment may be different from the format of the original assessment. After successful completion of the recovery assignment the final grade for the assignment will be the average of the original grade and the recovery grade to a maximum value of 70.

**Fulton Virtual School Academic Integrity Policy**

You are expected to read, understand, and follow these guidelines throughout your time with Fulton Virtual School.

*Fulton Virtual School Academic Integrity Policy.*

In a virtual learning environment, honesty and integrity are integral traits for academic success. At Fulton Virtual, we believe that all students must show integrity in the completion and submission in all aspects of the academic experience. Therefore, no forms of cheating, assisting others in cheating, and/or plagiarism (passing off the work of others as if it is your own) will be tolerated.

When collaboration is necessary to complete tasks and projects, Fulton Virtual School instructors will provide students with advance notice. Thus, all work is considered an individual assignment unless otherwise noted. The following list of dishonest behaviors has been compiled to assist you. This list is by no means exhaustive, and each infraction of academic dishonesty will be handled the virtual instructor on an individual, case-by-case basis.

Dishonest behavior includes, but is not limited to:

1. Plagiarism. Plagiarism can be defined as the inclusion of another’s ideas, words, expressions, or data in writing or presentation without properly acknowledging the source.
2. Unauthorized use off another person's password/login. Student logins/passwords are confidential information that should not be shared with others.
3. Cheating. Cheating can be defined as the act or attempted act of deception by which a student seeks to misrepresent his submitted work as uniquely his own completed without assistance. Cheating includes copying another student’s work and submitting it as your own, or "googling" answers to assessments.
4. Impersonation. Performing work or taking an examination for another student or allowing someone to do so for you.
5. Falsification and/or misrepresentation of data. This can be defined as the submission of false or contrived data or sources.
6. Computer crimes. This may include damaging computer programs, hacking, constructing viruses, introducing viruses into a system, copying programs, etc.

Academic dishonesty will result in one or more of the following actions:

* Loss of grade points
* Removal from the course
* Failure to receive credit for the course
* Loss of eligibility to earn credits through Fulton Virtual Schools

Fulton Virtual School instructors have the authority to require that students perform other tasks or undergo additional assessments in proctored situations. If a Fulton Virtual School instructor suspects that there is a problem with academic integrity, the administrators of both the local school and Fulton Virtual School will be informed. Failure to follow these guidelines may result in removal from your virtual course without further warning.

The Final Exam will be taken online. The performance on the Final exam should closely match the work on assignments and other quizzes and tests. The final exam will include questions from tests and quizzes. If a Fulton Virtual Campus instructor suspects that there is a problem with academic integrity, the administrators of the local school and the Virtual Campus will be informed.

**All Fulton Virtual Students Must Agree and Adhere to the Following Academic**

**Integrity Guidelines:**

* I understand and will support and will abide by the guidelines set for in the Fulton Virtual Academic Integrity Policy.
* I will not personally cheat (i.e., use unauthorized materials in completing my assignments and assessments), and I will not help others cheat.
* If I become aware of anyone else’s cheating or use of unauthorized materials (or any other violations of Fulton Virtual School’s Academic Integrity Policy, I have a personal responsibility to report the matter to an instructor or administrator.

**Classroom Tips for a Successful Virtual Learning Experience**

The following list of tips for success in a virtual learning environment has been provided by Fulton Virtual instructors. These are simply suggestions, and are not meant to be guidelines for each course. Upon registering for a new course, your virtual instructor will provide you with the methods they prefer to help you successfully complete their respective courses.

* Don’t procrastinate.
* Review your course schedule every day to determine what assignments need to be completed each day.
* Dedicate a specific time to work on your course. Treat it as part of your regular schedule. You should expect to spend an hour a day on your course.
* Be sure you keep a backup copy of EVERYTHING. When you submit your documents, label them with the unit and assignment.
* Check the Announcements section daily.
* Check your e-mail daily. E-mails should have the subject line filled in with the appropriate assignment, or if a problem, appropriately titled so instructors can easily decide priority of which e-mail to handle first!! Be sure to properly identify yourself on all e-mails.