FVS Physical Science A Syllabus

Course Description
Students explore physical science by engaging in science and engineering practices and crosscutting concepts to better understand abstract concepts such as the conceptualization of the structure of atoms and the role they play in determining the properties of materials, motion and forces, the conservation of energy and matter, wave behavior, electricity, and the relationship between electricity and magnetism; the idea of radioactive decay is limited to the understanding of whole half-lives and how a constant proportional rate of decay is consistent with declining measures that only gradually approach to zero.

Course Objectives
Throughout the course, you will meet the following goals:
•   **SPS1.** Obtain, evaluate, and communicate information from the Periodic Table to explain the relative properties of elements based on patterns of atomic structure.
•   **SPS2.** Obtain, evaluate, and communicate information to explain how atoms bond to form stable compounds.
•   **SPS3.** Obtain, evaluate, and communicate information to support the Law of Conservation of Matter.
•   **SPS4.** Obtain, evaluate, and communicate information to explain the changes in nuclear structure as a result of fission, fusion and radioactive decay.
•   **SPS5.** Obtain, evaluate, and communicate information to compare and contrast the phases of matter as they relate to atomic and molecular motion.
•   **SPS6.** Obtain, evaluate, and communicate information to explain the properties of solutions.

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 projects, 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

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.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Lesson Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Unit Tests</td>
<td>20%</td>
</tr>
<tr>
<td>Essays</td>
<td>N/A</td>
</tr>
<tr>
<td>Labs</td>
<td>10%</td>
</tr>
<tr>
<td>Projects</td>
<td>30%</td>
</tr>
<tr>
<td>Other Assignments</td>
<td>N/A</td>
</tr>
<tr>
<td>Cumulative Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

All of the grades that you receive online will be recorded in Edgenuity. To view your grades in Edgenuity, click on: organizer; reports; then, scores and feedback.

Fulton County Schools Grade Recovery Policy

Opportunities designed to allow students to recover from a low or failing cumulative grade will be allowed when all work required to date has been completed and the student has demonstrated a legitimate effort to meet all course requirements including attendance. Students should contact the teacher concerning recovery opportunities. Teachers are expected to establish a reasonable time period for recovery work to be completed during the semester. All recovery work must be directly related to course objectives and must be completed ten school days prior to the end of the semester.

Due Dates

The Fulton Virtual School's policy is to allow students to work at an individualized pace in the course. You are expected to work at your own pace and have the course finished by the last day of the class. You are expected to show the same level of commitment as you would in your traditional school setting.

Scope and Sequence

When you log into the Virtual Classroom, you can view the entire course map, which provides a scope and sequence of all topics you will study. Clicking a lesson’s link in the course map leads to a page listing instructional activities, assignments, and learning objectives specific to that lesson. The units of study are summarized below.
Unit 1: Atoms and Elements  
Unit 2: Physical and Chemical Properties of Matter  
Unit 3: Chemical Reactions

**Georgia Performance Standards**

This course is correlated to the Georgia Performance Standards. If you would like more information on the GPS, please visit: [https://www.georgiastandards.org/Georgia-Standards/Documents/Science-Physical-Science-Georgia-Standards.pdf](https://www.georgiastandards.org/Georgia-Standards/Documents/Science-Physical-Science-Georgia-Standards.pdf)

**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.
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.

**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 School 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.