Environmental Science Syllabus

Teacher: Mrs. Patel, Room, J12
Contact Information: E-mail: pateld@fultonschools.org
Office Hours: 7:30 – 8:15am (M-F) By appt.
Class Website: classroom/google.com

*2nd Period google classroom code: zj9zngg* *4th Period google classroom code: fxi0mp6*


Course Description: The Environmental Science curriculum continues students’ investigations of the life sciences that began in Grades K-8 (see Fulton County System wide Science Vertical Instructional Framework). The course is designed to provide students with the necessary knowledge and skills in environmental science. This curriculum is extensively performance, lab and field based. It integrates the study of many components of our environment, including the human impact on our planet. Instruction will focus on student data collection and analysis. Some concepts are global; in those cases, interpretation of global data sets from scientific sources is strongly recommended. It would be appropriate to utilize resources on the Internet for global data sets and interactive models. Chemistry, physics, mathematical and technological concepts will be integrated throughout the course. Whenever possible, careers related to environmental science will be emphasized.

Outcome Expectations: At the end of this course students should be able to…

1. Use appropriate scientific tools to observe record, organize, analyze, interpret, write, and present the results of scientific investigations clearly and accurately.
2. Investigate the flow of energy and cycling of matter within an ecosystem and relate these phenomena to human society.
3. Demonstrate an understanding that the earth is one interconnected system.
4. Describe stability and changes in ecosystems.
5. Understand and describe availability, allocation and conservation of energy and other resources.
6. Recognize that human beings are part of the global system and will evaluate the effects of human activities and technology on ecosystems.

Materials Needed:

1. Dell Latitude 3300 (once distributed) or Approved Personal Device Fully Charged on a Daily Basis
2. Binder for Notes
3. Green Composition Book
4. Pens/Pencils
5. Gardening Gloves

*Student consumables/supplies that are appreciated: Kleenex boxes, Hand Soap and Sanitizers, Disinfectant Wipes, and Paper Towels.

Grading Scale: 

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-90</td>
<td>A</td>
</tr>
<tr>
<td>89-80</td>
<td>B</td>
</tr>
<tr>
<td>79-70</td>
<td>C</td>
</tr>
<tr>
<td>Below 70</td>
<td>F</td>
</tr>
</tbody>
</table>

Grades will be calculated using the following percentages:

- Summative Assessments (Tests, Formal Labs/Reports & Projects): 40%
- Formative Assessments (Informal Labs, Quizzes, Classwork, Homework): 40%
- Final Exam: 20%

Make Up and Late Work Procedures

It is the responsibility of the student to find out what they missed while they were absent. For excused absences, students will have as many days as per the absence to complete and turn in the missed assignment for full credit. If a student is absent on a day that a major project, reading assignment, and or lab report that was assigned multiple days or weeks before the absence is due, the student is responsible for submitting the assignment on time. If a student misses a lab day, they must make an appointment with me to come during their lunch period, before, or after school to make it up. Due to the demands/nature of laboratory prep (specimen samples, sensitive equipment, time continuity etc.) ANY lab not made up within 1 week of the due date will result in a “0” and will be subject to an alternative assignment within the parameters of the CHS Recovery Policy. If you are absent on the day of a test, excluding extenuating circumstances, it is the student’s responsibility to make an appointment to take the test the day of your return. Please plan accordingly. Any request for makeup work and or extension will be subject to the terms of the CHS Recovery Policy.
Class Policy for Content Mastery and Recovery

- Test Corrections will be offered to students with an overall average of 79% or below. For remediation, the student will be required to attend scheduled study sessions to complete corrections on the failed assessment.
  - Upon completion of test corrections, students will then be allowed to take a new test to determine mastery of the content with a maximum score of a 100% to replace the original assessment grade.
  - A time to do Test Corrections and Test Retakes must be set up between the student and teacher and will take place during the student’s lunch period, before, or after school. During lunch, students are allowed to bring and eat their lunch in the classroom while completing corrections. No tests will be photographed, copied, or leave the room.
  - Test corrections will be offered on a rolling 6 week period. Corrections and test retake must be completed within 6 weeks of the original assessment date.

Honor Code

- As a community that values academic honesty and seeks to provide the highest levels of learning for students, the Centennial administration, faculty, parents, and students do not tolerate cheating.
- As stated in Fulton County Board of Education Policy, cheating includes:
  - Copying or borrowing from another source and submitting it as one’s own work- including plagiarizing sources from the internet
  - Seeking or accepting unauthorized assistance from anyone on tests, projects, or other assignments
  - Providing or receiving test questions in advance without permission
  - Working collaboratively with other students when individual work is expected – including homework
  - Other offenses as determined by administration

Consequences for copying/providing answers on an assignment to have been completed by an individual student:
- First offense – zero on the assignment; teacher requires completion for 70%; assignments not redone will remain a zero
- Second offense – zero on the assignment; parent notification; teacher requires assignment completion for 50%
- Third and further offenses – zero on the assignment; parent notification; disciplinary referral to administrator; teacher requires assignment completion for 50%; assignments not redone will remain a zero

Consequences for plagiarism on a research paper or project; receiving or giving answers during a test or quiz:
- First offense – zero on the paper, project, or test; parent notification; teacher requires the original or an alternate assignment to be completed for 50%; time allowed will be half the original time assigned; assignments not redone will remain a zero
- Second and further offenses – zero on the paper, project, or test; parent notification; disciplinary referral to administrator; dismissal from leadership positions; exclusion or dismissal from honor societies; teacher requires the original or an alternate assignment to be completed for 50%; time allowed will be half the original time allowed; assignments not redone will remain a zero

- The following violations shall result in immediate administrative referral and exclusion or expulsion from all honor societies: cheating on a final exam; altering or forging grades, gradebooks, progress reports, report cards, or academic records; fabricating data or signatures; theft of a test or other school resources. Students who commit an honor code violation could also lose leadership positions in clubs or organizations.
  - Consequences will be applied if cheating occurs on any work submitted by a Centennial student in an event, competition, or contest in which he represents the school system. Additional possible consequences may include exclusion from interscholastic activities and extracurricular activities, as determined by the administrator.

CHS Student Initiated Recovery Policy
If you have a 79% or below in the course, the recovery policy is as follows:
Step 1: Student initiates a conversation with the teacher.
Step 2: Student turns in ALL missing assignments within the 6 week grading period. Late work will be penalized 10 points.
Step 3: If average remains below an 80%, student will meet with the teacher to choose which assessment(s) they would like to retake. Students MUST adhere to the Test Correction recovery requirements.

All work must be completed at least 10 days before the end of the semester. Late work will NOT be accepted after this deadline.

Classroom Rules:
1. Have respect for your peers, teachers, and classroom environment.
2. Class begins when you enter the room. Please take care of restroom needs before class.
3. Food or drinks brought into the classroom must be discarded appropriately or privilege will be revoked.
4. Lab Safety is Mandatory. There will be no horseplay and no eating during a lab. Failure to follow lab safety contract stipulations will result in the revocation of lab participation and will result in a “0” for the assignment.
5. Dell Latitude 3300 or Approved Personal Devices must be Charged and ready to use **DAILY**.
6. Cell Phone use is prohibited during class unless use is explicitly requested by the teacher. All cell phones must be put away to avoid unnecessary distractions. Consequences will be assigned for direct infringement of policy.
7. **Tardies**: You are expected to be in your seat and ready to work each day when the bell rings. NO EXCEPTIONS!
   - First offense: Student/Teacher warning and sign tardy sheet in classroom
   - Second offense: Parent Contact
   - Third Offense: Private detention for 30 minutes before school, during lunch, or afterschool (based on teacher discretion/schedule) and parent contact.
   - Third offense: Administrative referral

*All rules and regulations in the student handbook apply.*

**Lab Safety:**
There is to be no horseplay in the lab **EVER**! The instructor reserves the right to remove any student that poses a safety hazard to themselves or others. If a student is removed from the lab, the student will receive a zero for the lab day. No student may participate in lab without passing the safety quiz and turning in a safety contract signed by the student and their parent or guardian. If a student is not allowed to participate in a lab for this reason, he/she will receive a zero for that lab.

**Device Etiquette:**
**Students must:**
- Come to class with their approved devices fully charged, with the charger and stylus.
- Only use devices for class work/notes.
- Teacher can and will monitor the use of devices.
- You **CANNOT** record or take pictures of anyone or anything in the classroom without expressed permission.

- **Student Code of Conduct & Discipline Handbook P. 36 Technology Offenses 18 A,B,C,D,E**
  - Technology/computer misuse (inappropriate internet use, disabling, etc./computer/tampering/trespass/hacking/altering hard drives).
  - Refusal to comply with school rules or reasonable directions or commands of school staff regarding use of technology and/or visual recording devices without permission.
  - Consequence Range: Local interventions up to 10 days OSS.

**Course Outline:** Environmental Science is tentatively divided into the following major units with several forms of assessment in each unit. Students will be responsible for **reading** all chapters outlined below.

<table>
<thead>
<tr>
<th>Unit</th>
<th>GSE Standard</th>
<th>Chapters in Book</th>
<th>Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Characteristics of Science</td>
<td>SCSh1-SCSh9</td>
<td>2</td>
<td>Throughout the year</td>
</tr>
<tr>
<td>1 Understanding the Environment</td>
<td>SEV3: a, SEV4: a, SEV5: a,c,d</td>
<td>1</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>2 The Living World/Ecology</td>
<td>SEV1: a,b,c,d, SEV2: a,c,d</td>
<td>3, 4, 5, 6, 10</td>
<td>8 Weeks</td>
</tr>
<tr>
<td>3 Human Population and Population Dynamics</td>
<td>SEV1: a, SEV5: a,b,c,d</td>
<td>8, 9</td>
<td>4 Weeks</td>
</tr>
<tr>
<td>4 Agriculture</td>
<td>SEV4: c, SEV5: c,d</td>
<td>15</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>5 Water</td>
<td>SEV1: e, SEV2: a, SEV5: c,d</td>
<td>7, 11, 13</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>6 Energy Resource and Consumption</td>
<td>SEV2: b, SEV3: a,b,c,d, SEV5: c,d</td>
<td>13, 16, 17, 18</td>
<td>6 Weeks</td>
</tr>
<tr>
<td>7 Waste and Pollution</td>
<td>SEV2: b, SEV5: c,d</td>
<td>12, 13, 19, 20</td>
<td>4 Weeks</td>
</tr>
<tr>
<td>8 Sustaining Biodiversity and Human Societies</td>
<td>SEV4: a,b, SEV5: c,d</td>
<td>14, 21</td>
<td>4 Weeks</td>
</tr>
</tbody>
</table>
*Please detach this signature page and return to Ms. Patel. The syllabus itself is for you to keep for your records.*

By signing below, I am indicating that I have read and understand the Environmental Science syllabus, and will be accountable for the information and guidelines therein.

Student Name (please print)______________________________ Date__________

Student Signature ______________________________________

I have looked over the expectations for my child and I agree to work in partnership with Ms. Patel to ensure my child’s academic success. I will contact you should I have any questions or concerns throughout the semester. I understand that my child is responsible for adhering to these rules and procedures.

Parent/Guardian Name (please print)________________________ Date__________

Parent Signature ______________________________________

Parent E-mail ______________________________________

Daytime Number __________________________ Evenings Number __________________

Preferred Method of Contact ___________________________