Earth Systems Syllabus- Fall Semester

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Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Description/key concepts</th>
<th>Approximate time of study</th>
<th>Corresponding Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mapping the Earth</td>
<td>Latitude and longitude, physical maps, map scales and distances, weather maps</td>
<td>2 weeks</td>
<td>SES 5 a, b,</td>
</tr>
<tr>
<td>Temperatures</td>
<td>Factors that influence temperature variations, global climate change, geographic temperature patterns, graphing temperature patterns</td>
<td>4 weeks</td>
<td>SES 5 a, b, d, f SES 1</td>
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<tr>
<td>Winds and air pressure</td>
<td>Air masses, isobars and pressure variations, high and low pressure systems, geographic wind patterns</td>
<td>2 weeks</td>
<td>SES 5 c, d</td>
</tr>
<tr>
<td>Precipitation</td>
<td>Factors that influence the type and amount of precipitation, cloud types and their formation</td>
<td>2 weeks</td>
<td>SES 5 a, b, c,</td>
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<tr>
<td>Storms and weather fronts</td>
<td>Types of storms, geographic storm patterns, types of weather fronts and their interactions</td>
<td>3 weeks</td>
<td>SES 5 e</td>
</tr>
<tr>
<td>Climate</td>
<td>Climate classification systems, el nino/la nina, global climate change</td>
<td>1 week</td>
<td>SES 5 f</td>
</tr>
<tr>
<td>The water cycle</td>
<td>The movement and locations of water in the environment, uses of water</td>
<td>1 week</td>
<td>SES 3</td>
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Outcome Expectations: At the end of this course students should be able to…

1. Predict the weather and climate of a location from physical characteristics of that location.
2. Relate weather and climate conditions to real world impacts on society.
3. Interpret weather data in order forecast future weather conditions for a location.
4. Use physical data to demonstrate how people are part of the global system.

Textbook – there is no textbook issued for the course. All relevant information will be presented via live or video lecture. Students will have access to the course lectures at any time, both during class and at home via Google classroom. Parents may gain access to the assignments and notes by requesting the group code via email.

Video lectures - Students will be required to view a video lecture presentation of new material. Students are required to summarize the information presented by taking scratch notes. At the conclusion of the video, students will be provided a quiz to take using their notes. The quiz will be graded as a formative assessment and used as a check for basic understanding. Students also receive a classwork credit for completing notes.

Required Materials – Students are required to place all classwork into a composition notebook. This notebook must be brought to class every day of the semester. Students must have daily access to Google classroom through a personal electronic device (cellphone, laptop, tablet, etc…) and must provide headphones.

Daily instructions/classwork – Each student is required to access Google classroom at the beginning of class. A post will be listed daily that will include opening activities, lab instructions, video lectures, and/or other daily classwork.

Grading – A student’s grade is a mixture of formative assessments (40%), summative assessments (40%), and the final exam (20%)

Missed Assignments/Recovery Days – Missed quizzes must be made up by the student before the graded quiz is returned to any earth systems class. The day following a summative assessment is used as a make up or recovery opportunity. If a student has not completed an assessment for that unit, they will be offered an alternative quiz in place of the missing one. If a student has completed all their assignments, they have the opportunity to complete an alternative assignment to replace any substandard grade.

Behavior Guidelines - Our number one goal is to have students earn a credit towards graduation. Any behavior that deters from a student’s ability to pass the class and earn a credit is therefore sought to be modified. Some common behaviors that detract from a student’s ability to learn include (but are not limited to) sleeping, excess or inappropriate cell phone use, excessive socializing, tardiness to class, and excessive time outside of class (bathroom breaks). Specific behavior guidelines are posted in the classroom.

Labwork – All students are required to sign a lab safety contract and pass a lab safety quiz in order to participate in mandatory lab activities. Students should approach lab activities seriously and refrain from any actions that might impair their ability to complete the assignments.
Centennial Student Handbook – The Centennial High School student handbook will serve as the basis for how the class will be conducted. All policies outlined in this document, including, but not limited to, tardies, cheating, recovery, behavior, and attendance will be applied consistently in this class.

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 or providing answers on an assignment which should have been completed by an individual student:
- First offense – zero on the assignment; teacher requires assignment completion for 70%; assignments not redone will remain a zero
- Second offense – zero on the assignment; parent notification; teacher requires assignment completion for 50%; assignments not redone will remain a zero
- 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 allowed; 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.

By signing below, I am indicating that I have read and understand the earth systems 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 Mr. Weigand and Mrs Daley 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 _______________ ____________________________