Course Outline for AP Environmental Science

(School Year 2015-2016 Lincoln High School, Tallahassee, Florida)

**Instructor**: Debra Titus **Room**: 120

**APES Exam Date:** May 4

**Text Book***: Living in the Environment, 16th Ed.*  G. Tyler Miller and Scott E. Spoolman

**Office Hours**: Monday – Thursday (2:00-3:00) unless otherwise announced.

**Contact**: titusd@leonschools.net

**Website:** There is a class website available to all students. The website includes copies of the agenda for each week, PowerPoint presentations covered in class, resources for students and parents and other important information. [**www.apes-lincoln.weebly.com**](http://www.apes-lincoln.weebly.com) This is very important to visit when absent!

**Course Description**: The A.P. Environmental Science course is designed to be the equivalent of a one-semester introductory college course in environmental science. Unlike most other college introductory-level science courses, environmental science is offered from a wide variety of departments, including biology, geology, environmental science, chemistry and geography. Depending on the department offering the course, different emphases are placed on various topics. A.P. Environmental course has been developed to be a rigorous science course that emphasizes scientific principles and analysis, and that includes a laboratory component.

The goal of the APES course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study, yet there are several major unifying themes that cut across the many topics included in the study of environmental science.

**Labs**: laboratory assignments and other hands-on activities will usually be conducted in small groups of 2-5. Students may be graded individually or as a group

**Homework**: Consists of text guides, practice free response questions, and any unfinished allotted classwork.

**Bellwork:** includes math practice problems, vocab., diagrams, ect.

**Quizzes**: A quiz is usually ten questions. The quiz is used to determine that students understand the concepts taught in class prior to taking a test. **Students are responsible for the missed quizzes.**

**Tests**: Tests occur at the end of a topic or chapter. The test format will model the AP exam and will include multiple choice and Free Response Questions. Test corrections will occur to supplement the assessment and student learning.

**Class Supplies**: Notebook paper, pencil or pen, and 2 composition notebooks. In addition, each student is asked to submit $10.00 that will be directly used to purchase consumable lab supplies for that student.

**Grading: (Grades are updated weekly, so students can be aware of their current grade.)**

* Tests (30 – 40 pts.)
* Quizzes (10 pts.)
* Classwork (Varies)
* Labs and Projects (15 and 20 pts.)
* Homework (Varies)

**Students are expected to:**

* **Show respect** and courtesy to the teacher and all class members.
* **Be prepared** daily by completing assignments and studying for tests and quizzes.
* Do your own work. **Do not copy** the work of other students.
* **Be punctual -** be seated and ready to begin at the tardy bell. (Seats are assigned)
* Be attentive in class **(sleeping is not an option)** and listen when others are talking.
* Speak softly during classroom group activities so all groups can function properly.
* Follow all school policies outlined in your student planner.

**Step-by-Step Disciplinary Action: (Disruption or tardy)**

1. Verbal warning.

2. A phone call home to parents or legal guardians.

3. Afternoon or lunch detention to be served as assigned. (20 minutes)

4. Further action will result in a referral to the office.

**Makeup Work:**

You are responsible for asking what you missed the day you return or look on my web-site. You have two days for every day absent. You **CANNOT** make up work several day or weeks later. Please keep up with class work when absent.

**Lab** make-up must be arranged with Mrs. Titus. Due to the nature of the activity, not all labs can be made up.

**Test** make-up is done after school the day you return unless you are absent more than one day. If you are absent the day before a test, you are expected to take the test on the regular test day.

**PLEASE MONITOR MY WEB-SITE FOR TEST AND QUIZ DATES UNDER THE “AGENDA” TAB.**

**Hall and Rest Room Passes:** Before class or toward the end. Do not disrupt class unless it is an emergency.

**Cell Phones:** CANNOT BE USED DURING CLASS. KEEP PHONES **OUT OF SITE.**

**Final Message:**

Your time is valuable, DON'T waste it. Always respect the rights of others and ask lots of questions. It's a great way to find out what you want to know. During the school year, let me know if you need help. Make use of the resources I provide. MAKE IT YOUR GOAL TO STRIVE FOR A “5” ON THE APES EXAM!!!!!!!!!!!!

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| **Fall Semester Overview:**  | **Chapters:**  |
| Humans and Sustainability: An Overview | 1 |
| Biological Communities and Species Interaction  | 3, 4 |
| Biodiversity, Natural Selection and Evolution | 5 |
| Population Dynamics  | 5 |
| Human Populations  | 6 |
| Sustaining Biodiversity | 9, 10, 11 |
| Environmental Geology  | 14 |
| Climate and Biomes | 7, 8 |
| Food, Soil, and Pest Management | 12 |
|   |   |
| **Spring Semester Overview:**  |   |
| Air, Weather and Atmosphere | 18 |
| Air Pollution  | 18, 19 |
| Water Use and Management  | 13 |
| Water Pollution  | 20 |
| Solid, Toxic and Hazardous Waste  | 21 |
| Conventional Energy  | 15 |
| Sustainable Energy  | 16 |
| Environmental Economics, Policy, and Law  | 23, 24 |
| Urbanization, Sustainable Cities and Personal Action | 22 |
| Exam Review  | All  |

After you and your parent or guardian have read the course syllabus, please complete the information below and return the entire document to the teacher by Friday, August 21th.

We have both read and understood the information Mrs. Titus’ 2015-2016 course syllabus.

APES, Period \_\_\_\_\_\_

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Student’s Name (Printed) Student Signature

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Parent/Guardian Name (Printed) Parent/Guardian Signature

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Parent/Guardian Contact Number Parent/Guardian Email Address

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Parent/Guardian Contact Number Parent/Guardian Email Address

Valuable Information the Teacher should know: (medical conditions, learning difficulties, special family situations, etc.)

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