

# Agriscience Foundations 1 – 2014-2015

Ms. Rios

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*“But man is a part of nature, and his war against nature is inevitably a war against himself.”*

— Rachel Carson

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This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

## Course Syllabus

**The content should include, but not be limited to, the following:**

1. Introduction to Environmental Science
2. Ecology
3. Populations
4. Water, Air, Land
5. Mineral and Energy Resources
6. Our Health and Our Future
7. History Of Agriculture and Its Influence on the Global Economy
8. Practice Agriscience Safety Skills and Procedures
9. Apply Scientific and Technological Principles to Agriscience Issues
10. Apply Environmental Principles to the Agricultural Industry
11. Investigate and Utilize Basic Scientific Skills and Principles In Plant Science
12. Demonstrate the Use Of Agriscience Tools, Equipment, and Instruments
13. Demonstrate Agribusiness, Employability and Human Relation Skills
14. Apply Leadership and Citizenship Skills

Textbook:

Holt: Environmental Science Florida Edition. 2006

**Supplies –**

1. Gmail account
2. Google drive account  
(USBs are prohibited.)
3. Duo-tang with prongs/pockets
4. Loose-leaf paper
5. Pencils/black/dark blue pen
6. Green pen
7. Highlighter
8. \*strongly suggested
  - a. Smart device (tablet/laptop)
  - b. Garden gloves
  - c. Hat
  - d. Sunglasses
  - e. Refillable water bottle
  - f. Sunscreen
  - g. TERRA ERFS T-shirt  
(only shirt that can be worn while gardening at school)

**Grading scale –**

Grade	% Points	GPA	Range
A	90-100	4	3.50 – 4.00
B	80-89	3	2.50 – 3.49
C	70-79	2	1.50 – 2.49
D	60-69	1	1.00 – 1.49
F	0-59	0	0.00 – 0.99
I	0	0	0
Z	0	0	0

**Notice to students –**

This year, I want to try reducing our environmental footprint while increasing our environmental awareness. We will use project-based and service-based learning activities that incorporate our learning of the topics covered in the syllabus. To do this, we will be creating our own learning and presenting it in a variety of non-paper formats like videos, websites, presentations, cartoons, posters, etc.

**Notice to parents –**

Parents, you will have instant access of your child's performance in my class since they will post their work on their Wikispace webpage. Additionally, I highly encourage you to sign up for the Edmodo parental access account so you can check your child's assignments. Thank you for your support.

**Assignment Weights –**

- Homework – 1 grade
- Classwork – 1 grade
- Substitute work – 1 grade
- Tests – 3 grades
- Quizzes – 2 grades
- Participation – 0.5 grades
- Projects – 4+ grades, depending on intensity of assignment

**Assignment Policy –**

- Assignments will be submitted electronically via Edmodo.
- The teacher will give sufficient time to complete assignments.
- Assignments not turned in on-time may not be graded or may be penalized.
- E-mail/inform the teacher with sufficient time if you realize that you may not be able to complete the assignment on time. (Sufficient time = well before the due date; i.e., not the day before it is