

## Frequently Asked Questions

### What kind of program is this?

The Ogburn Academy of Environmental Studies is a virtual high school program that engages students in a rigorous environmental curriculum.

All courses are online, and our entire curriculum meets the highest of standards. Our curriculum is chosen by highly qualified educational specialists and developed in-house using our more than 60 years of educational experience.

Our program includes internet based program for grades 9-12, teacher support, grading services, academic counseling and transcript preparation.



### Why did you create a program like this?

The Ogburn School has been providing distance learning programs for 17 years. We have continued to grow our programs based on student needs. This program is of great personal value to the school's founders, who are strong advocates for conservation.

### Will this help the student get into college?

Yes! With the Environmental Studies track, students will be more prepared for college, especially a college path that includes science.

### Will the diploma look different?

The student's diploma and transcripts will designate completing an Environmental Studies track.

### Will the student still learn regular math, social studies and English?

Yes! Students still meet all the standards of original courses, but have environmental topics within all of their studies.

### What do the lessons look like?

Ogburn Academy of Environmental Studies courses infuse environmental themes throughout the lessons, while still meeting performance standards of traditional courses. The syllabus details standards and requirements for traditional courses, and you will find your environmental themes within lessons and in special projects.



Sample Assignments:

### MATH

**In math courses, students are provided lessons, example, videos and links to teach math concepts. The following is an example of how environmental themes are infused into lessons.**

#### **Algebra 1 A Lesson 04 Environmental Track – Solving for Variables**

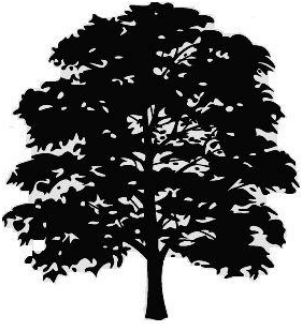
Solve the following if  $x = 3$  &  $y = 4$ :

1.  $2x + y =$
2.  $3x + 2y =$
3.  $3y + 2x =$
4.  $10x + 4y + 2x =$
5.  $6y + 5x =$
6.  $7x + 4y =$

Use your knowledge about parentheses and substitution to solve the following:

$$q = 1 \quad r = 2 \quad s = 3 \quad t = 4 \quad x = 5 \quad y = 6$$

7.  $2(x+4) + 10 =$
8.  $3(4x) + 4 =$
9.  $10(xy) =$
10.  $2(x + y) =$
11.  $3(rs) + 4(x) =$
12.  $2(q) + 2(x + t) =$
13.  $6(3t + 4s) =$
14.  $10(10x) + 10y =$
15.  $x(xy) =$
16.  $r(s)(t) =$
17.  $(r)(s)(t)(x)(y) =$



Weather: Temperature Measurement

Temperature conversion formulas:

- $C^{\circ} = (F^{\circ} - 32^{\circ}) / 1.8$  ( $C^{\circ}$  = Celsius)
  - $F^{\circ} = 1.8 * C^{\circ} + 32$  ( $F^{\circ}$  = Fahrenheit)
  - $K = C^{\circ} + 273$  (K = Kelvin)
1. If the temperature is 70° F, what is the temperature in Celsius? Kelvin?
  2. If the temperature is 50° C, what is the temperature in Fahrenheit? Kelvin?
  3. If the temperature is 300 Kelvin, what is the temperature in Celsius? Fahrenheit?
  4. Investigate the average temperature in Fahrenheit in your town/city for each month, convert these temperatures to Celsius and Kelvin

Your City	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
F°												
C°												
K												

### English

In English courses, students are provided lessons, example, videos and links to teach English concepts. The following is an example of how environmental themes are infused into lessons.

#### English 1 A Lesson 03 Environmental Track - Commas

##### Lesson 3 Review:

##### Writing Assignment

Using the rules from this lesson, write a paragraph on the following topic:

Explain how human actions have hurt an animal in your geographic area. An example would be sea turtles that lay eggs on a beach near your community. Be sure to use commas in your paragraph.

Explain how you used the rules from the lesson in your paragraph. Your paragraph should be 8-10 sentences in length.

### American Government

In Social Studies courses, students are provided lessons, example, videos and links to teach Social Studies concepts. The following is an example of how environmental themes are infused into lessons.

#### American Government Lesson 02 Environmental Track - Developing the Colonies

1. Describe Spanish relations with Native Americans.
2. What changes occurred in the early years of the English settlement at Jamestown?
3. What goals did Puritans have in launching the Massachusetts Bay Colony?
4. Why did English seize control of the Dutch colony?
5. On what principles did William Penn base his colony?
6. In the minds of the European settlers, how might their positive traits depend on settled habitations and agriculture, or conversely how might they be undermined by a life of mobility and reliance on hunting? Likewise, we can ask what were the distinct virtues, such as close collaboration and a high sensitivity toward their immediate environments, cultivated by mobility and hunting among the Native Americans and how might they have been endangered by precisely those modes of living that supported, for instance, the Puritan farmer?



### Science

#### Environmental Science I Lesson 09: Society

1. Define the term "green party." Conduct research and find one green party. Briefly discuss the party that you found in your research.

2. Conduct an internet search on the National Environmental Education Act. Read through the site. Pay particular attention to the links "where you live" and "what you can do." Write a few paragraphs about information you learn from these sections.
3. How do some conditions of urban areas affect the species that live in the area? Give one example.
4. How do societal attitudes of developed countries differ from those of undeveloped countries?
5. How does the global aspect of environmental issues positively or negatively impact local environmental issues?

