



HUMANITIES AND THE SUNSHINE STATE

TEACHING FLORIDA'S CLIMATES

In partnership with the Florida Humanities Council

JUNE 15-29, 2018 UNIVERSITY OF FLORIDA

“TAKING IT BACK TO THE CLASSROOM”

We know that it's not always possible to develop and implement a brand new lesson plan in a busy curriculum. How do you envision incorporating our experiences in your classroom teaching?

Teacher: Brenda Skoczelas

Idea 1 Flow Chart for each type of energy source.

In order to impact my students and to have them connect with the course material, it is important that I do not only present raw scientific fact. For example, in physics we discuss electricity generation. Ex: burning coal, nat gas, uranium, wind, solar

It is important that we discuss the pros and cons to each energy source and its impact on the environment. Even more specifically, how does each energy source impact climate change.

Learning Goals/Standards

Idea 2 Ethical engineers: many of the students I teach will transfer to UCF to pursue a degree in engineering. Why?? Because they think it will earn them \$\$\$\$. Discuss that we all need energy, electricity, water but can they engineer technology that is both efficient and cost-effective and environmentally safe. Use your skill set to come up with solutions that are helping the cause.

Learning Goals/Standards

Idea 3 Give them HOPE! In order to motivate them in that direction, I need to make them aware of the problem, especially here in Florida. Humans have dramatically influenced the environment. Discuss Energy ethics. “To love is to Act” “We can't afford complacency”

Analyze electric bill. Cut it by 10%.

Idea 4 History and lives of many of the physicists that we discuss in class student will remember Faraday's Laws if they remember the story of Faraday.

Learning Goals/Standards

Idea 5 Earth Science: Debate climate change human cause or natural?

Learning Goals/Standards

Idea 6 Research paper on any current event in Earth Science, now specify to Florida

Learning Goals/Standards

What additional resources do you need in order to act on these ideas?

Honors College Workgroup → a course similar to this would be perfect combination of science and humanities