

# GLOBAL FOOD & SUSTAINABILITY ACADEMY

*Project Based Learning*

This is a team-taught, project/problem-based course that asks students to propose and evaluate solutions to local, regional, and global problems associated with the production and consumption of food.

This course will help students understand that:

- Personal food production and consumption impact the world in a myriad of ways.
- Human survival depends on developing practices that will achieve sustainable systems.
- A suitable combination of conservation and development is required.
- The management of sustainable resources is essential.
- Understanding the role of science, cultural, social, and economic factors is vital to the development of solutions.

## WHAT IS ACCEL?

ACCEL is Sun Prairie Area School District's applied career studies program. Through experiential learning, ACCEL provides high school students with the opportunity to apply their coursework to real-world projects.



APPLIED CAREER CAPSTONE  
FOR EMERGING LEADERS

### VISION

Recognized as a high performing district of choice that reflects the cultures of our diverse community.

### MISSION

Inspire and prepare every child, every day, by providing relevant, engaging and innovative learning experiences in and out of the classroom.



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Sun Prairie, WI



[www.sunprairieschools.org](http://www.sunprairieschools.org)

No student may be unlawfully discriminated against in any school programs, activities or in facilities usage because of the student's sex (gender identity, gender expressions, and non-conformity to gender role stereotypes), color, religion, profession, or demonstration of belief or non-belief, race, national origin (including limited English proficiency), ancestry, creed, pregnancy, marital or parental status, homelessness status, sexual orientation, age, or physical, mental, emotional or learning disability. (SPASD District Policy JB)



## GLOBAL FOOD AND SUSTAINABILITY ACADEMY

How do we feed 8 billion people in a technologically, environmentally, and ethically appropriate manner? What impact will our decisions have on the planet and other species?



Sun Prairie Area  
School District  
*Futures depend on us...every child, every day.*

# COURSES OFFERED

This course is a yearlong experience requiring 3 block periods and will earn these credits on a transcript:

1 credit AP Environmental Science (or Independent Study in Environmental Science)

1 credit elective in Agriculture Education

1 credit English 11 or English 12

The environmental science component of the academy will provide students with a learning experience equivalent to that obtained in typical college introductory courses in environmental science. This course prepares students for the National Advanced Placement Exams in May, and with satisfactory results, students may earn college credits.



## WHAT WILL I LEARN?

Students will learn interdisciplinary approaches to understanding and analyzing solutions to the various problems that arise from the global production of food and will use these skills across the three content areas: science, agriculture, and English.

They will develop skills and attitudes that promote critical thinking, creativity, and innovation and see how their own personal choices affect the world around them by engaging in relevant curriculum and forming connections with their local community. In this academy, students will engage in the production of a food product of their own choice.

While exploring this interdisciplinary curriculum, students will apply rigorous learning strategies to improve comprehension, vocabulary, language, writing, speaking and listening, and critical thinking skills. This exploration will provide opportunities for discussion and interpretation, analysis, and writing. Students will participate in class writing and oral activities that allow for individual expression, learning how to support their ideas with strong evidence and to be critical listeners. They will also study and write persuasive, researched, and analytical essays. Students will learn the techniques of on-demand writing and the necessary etiquette of professional technical writing as it applies to the world of sustainable food systems.



## PROJECT BASED LEARNING

- Grow your own food
- Environmental Analysis of Land, Water, and Soil
- Habitat Restoration
- Analysis of Food Choices and their Social, Economic, and Environmental Impacts
- Production and analysis of biofuels and other energy sources
- Understanding the impacts of global climate change on food production globally, nationally, and locally
- Analysis and Possible Solutions to SPHS's Waste Stream