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Curriculum Units by Fellows of the National Initiative
2024 Volume IV: Energy: Past, Present, and Future

Powering A Sustainable Future - The Role for Agriculture

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Powering A Sustainable Future - The Role for Agriculture will explore the many ways that the agriculture, food and natural resources sectors can play a role in required shifts in energy use, renewable energy production, reduction of greenhouse gas emissions and increased carbon sequestration. High school students can explore the food system's role in creating energy, emitting and sequestering greenhouse gasses, and alternatives to business as usual. Students will grow energy (food) to develop agro-ecology and regenerative farming skills and practice. Students will explore the circular economy of food systems using food waste to make energy, and energy to cook food they grow. Students will make and use clean energy and analyze the sustainability implications and impacts of these and other renewable energy practices.

(Developed for Agriculture, Food and Natural Resources CTE, grade 12; recommended for Environmental Science, Social Studies, and General Science, grades 9-12)

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