Activity 4 - Create Your Own Food Efficiency Activity

Overview

This activity is intended for Green Team members to use their creativity and apply their leadership skills to design and lead a food efficiency project of their choosing.

Guidelines

- The Green Team designs an activity that will enhance their understanding of food efficiency.
- Make sure the activity:
  1) identifies a problem area,
  2) helps solve a problem,
  and
  3) leads to greater awareness of why green careers are important to mitigate the effects of climate change
- Remember there are points to be earned so make sure the information is resourceful, creative and has an effective message.
- Get 1 bonus point for creating your own activity!

Activity 5 - WE-LAB - *Water You Eating?*

Activity Description/Overview

At this point, students should understand the connection between water and energy. But what about food? Water, energy and food are also intricately linked. Water is an input for producing agricultural goods in the fields and along the entire agro-food supply chain. Furthermore, energy is required to produce and distribute water and food. Agriculture is currently the largest user of water at the global level, accounting for 70% of total withdrawal while also accounting for about 30% of total global energy consumption. In this activity students will research the water-energy-food nexus and create an infographic connection.

Research

Students will first learn what the water-energy-food nexus is. How is water and energy used to produce food? How much water and energy is used to produce food? For example, did you know that broccoli takes 5.5 gallons of water to produce? So throw away broccoli and you throw away water and energy. What are ways in which water and energy can be saved in the agricultural industry? How can you help at home and school to save food, water, and energy?

In addition, students should learn how to create an infographic. Here are some resources:

Water-Energy Food Nexus

- http://www.fao.org/nr/water/docs/FAO_nexus_concept.pdf
- http://www.unwater.org/topics/water-food-and-energy-nexus/en/

Infographics

- https://infogr.am/
- https://piktochart.com/

Take Action

- After researching about the water-energy-food nexus, students should each create their own infographic illustrating this connection
- Infographics should include pictures and numbers to educate the viewer on the nexus
- Be sure to include some solutions to conserving water/energy/food in your infographic
- Share the infographics with the school and community

Results

Submit the following items to the program coordinator:

- Monthly challenge submission form explaining how students went about making the infographics
- Pictures or copies of the infographics