Mission: Our goal is to introduce ELMS 8th grade students to the basic science of renewable energy with a focus on Biofuels and Solar Power.

- Our guests include students engaged in the eCybermission program (21, Day2-8th grade science students), who are working on topics related to a micro-hydropower generator, solar panels, and reducing energy consumption/light pollution; 21, Day 1-8th grade science students; and their teachers.
- The "Expedition" for this semester is Progress, which encourages students to think: What is progress, what drives it, are there consequences to progress, and is progress the same for everyone?

Agenda – Wednesday, November 16th

8:50	Welcome	Daniel Collins, Graduate Assistant for ESF Outreach
		Dr. Chuck Spuches, Assistant to the President for Outreach
9:00	Introductions	Daniel Collins, Graduate Assistant for ESF Outreach
9:15	Biofuels	Dr. Marie-Odile Fortier, Assistant
	What is a biofuel?	Professor, Forest and Natural
	 Waste Materials/Algae as Fuel 	Resources Management
	Harvesting Energy	
10:00	Gateway Energy/Water Resources Tour	Daniel Collins, Graduate Assistant
	 Combined Heat and Power 	for ESF Outreach
	Green Roof	Fillipo LaRosa, Plant Utilities
		Engineer
10:30	Solar Power	Dr. Neal Abrams, Associate
	 Conversion of light to usable energy 	Professor, Chemistry
	Efficiency	
	Cells vs. Array	
	 Solar Eye (Rotating solar panel) 	
	 How is energy transferred to the 	
	consumer?	
11:15	Renewable Energy and Progress	Dr. Tristan Brown, Assistant
	What drives progress?	Professor, Forest and Natural
	Is progress the same for everyone?	Resources Management
	 What are the consequences of 	
	progress?	
11:45	Renewable Energy Game(s)	Daniel Collins, Graduate Assistant
		for ESF Outreach
		Jake O'Connell, Interim
12:15	Lunch and Discussion/eCybermission	Daniel Collins, Graduate Assistant
		for ESF Outreach
		eCybermission Graduate Student
		Team Advisors

1:00	Depart from Campus	
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Important and Related eCybermission Dates

- Final Registration Date: Wednesday, December 7, 2016
- Expeditionary Learning Middle School Exhibition Night: Thursday, December 15, 2016
- Final Mission Folder Submission Date: Wednesday, February 22, 2017