

OLEEP CURRICULUM GUIDE!

Fall 2025

FALL semester OUTLINE

Week # and Date	Topic	Learning Target & Notes	Mentors
UNIT 1: What is climate change?			
WEEK 1: Wednesday, October 1st	Intro: what are climate change and EJ?	- Overview of OLEEP - Identify plants with <i>Seek by iNaturalist</i> app! - Introduction to climate change/global warming - Defining environment/built environment	
WEEK 2: Wednesday, October 8th	How is climate change occurring?	- Explain greenhouse effect: Sharks and Minnows! - Explain the roles of fossil fuels - Weather vs. climate - Categorize carbon sources vs. sinks	
UNIT 2: Where is our energy			
WEEK 3: Wednesday, October 15th	Fossil fuels	- Understand the different types of fossil fuels - Discuss the issues with fossil fuels - Chocolate chip cookie interactive activity!	
WEEK 4: Wednesday, October 22nd	Alternative energy	- Learn about sources of renewable energy - Hold debate about best type of renewable energy - Halloween theme	
UNIT 3: Who is climate change affecting?			
WEEK 5: Wednesday, October 29th	Environmental justice	- Understand what EJ is and why it is important to study. - Identify EJ issues and groups organizing against them within the Providence community. - Climate simulation game in groups of 2!	
WEEK 6: Wednesday, November 5th	Biodiversity and conservation	<i>Potential outdoor field trip, TBD!!</i> - Explain the concepts of biodiversity and extinction - Discuss the current mass extinction - Discuss how climate change is affecting biodiversity - Coral reef game!	

WEEK 7: Wednesday, November 12th	Economics, politics, & climate change	• Learn about the sociopolitical factors that have induced climate change • Play interactive games and puzzles to explore power dynamics behind climate-related decisions ◦ Government intervention, lobbying, etc.	
WEEK 8: Wednesday, November 19th	Extra workshop (Earth and Space!)	• Learn about what makes Earth habitable in comparison to other planets • If Earth was not an option, where would you go?!	
Extra workshop (depends on interest!)			
WEEK 9: Wednesday, December 3rd	Wrap-up and party!	• Review all we've learned • Learn about climate change conspiracy theories ◦ Break down climate myths and how to oppose them • Have an OLEEP-themed party!	

FIELD TRIP?

- Bami Farm, Johnston, RI-<https://www.africanallianceri.org/bami-farm>
- SCLT-South Providence, RI
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