

## Teachers' Guide for CTLCV Briefing Papers

The CTLCV Education Fund has produced briefing materials for over 20 years on a broad array of environmental issues for state legislators, policy makers, media, and the general public. These briefing papers are developed in conjunction with environmentalists and policy experts to provide quick insights into critical issues, their significance, and what we can do to address them.

The [CT Climate Education Hub](#) created this Teachers' Guide for Grades 6-12 and informal educators to supplement these briefing papers with grade appropriate materials for students. These additional resources provide context and background on environmental issues and promote civic engagement. Each of the categories: Renewable Energy, Environmental Justice and Rights, Nature & Climate Solutions, and Waste Diversion offer a choice of lesson plans, activities, and resources to help students better understand, and act upon, these issues. While each activity includes suggested grade levels, the materials are easily adaptable to accommodate a wide range of age groups and learning environments.

<b>Renewable Energy</b> <ul style="list-style-type: none"><li>● Offshore Wind</li><li>● Solar Canopies</li><li>● Municipal Solar &amp; Community Power</li></ul>	<b>Nature &amp; Climate Solutions</b> <ul style="list-style-type: none"><li>● Nature-Based Solutions</li><li>● Water &amp; Wetlands</li><li>● Conservation &amp; Load Management Plans</li></ul>
<b>Environmental Justice &amp; Rights</b> <ul style="list-style-type: none"><li>● Environmental Justice</li><li>● Environmental Rights Amendment</li></ul>	<b>Waste Diversion</b> <ul style="list-style-type: none"><li>● Composting</li><li>● Food Waste Diversion</li></ul>

The Teachers Guide includes lessons, activities, and resources from 3 types of sources:



- [Connecticut Climate Education Hub](#) lesson plans and partners' resources for all subjects that have been recommended by teachers and vetted by scientists



- Inquiry Based Lesson Plans - Social Studies, Science & ELA



- Lesson plans and resources by other science, social studies organizations, universities, government agencies & other reputable sources.

## Renewable Energy

- Offshore Wind
- Solar Canopies
- Municipal Solar & Community Power

### ● Renewable Energy Lesson Plans and Resources



[Renewable Energy Lesson Plans for High School](#)

Grades 8-12



[Why Clean Energy Is Cheap Energy](#)

Grades 9-12



[Energy Basics](#)

Grades 11 - 12 and AP



[Renewable Energy Lesson: Citizenship](#)

Grades 3 - 8

### ● Offshore Wind Lesson Plans and Resources



[Wind Over Troubled Waters](#) Maine Youth for Climate Justice, Grades 9-12



[Offshore Wind Education](#) New York State Energy Research and Development Authority NYSERDA's Educator Guide / Offshore Wind Youth Action Program



[An Educator's Guide to Offshore Wind](#) - North American Marine Environment Protection Association (NAMEPA) Grades 3-12



[Deploy Offshore Wind Turbines, Project Drawdown](#)

• **Solar Canopies**



[Solar Canopy Potential in Connecticut 2024](#), Peoples Action for Clean Energy



[Why Putting Solar Canopies on Parking Lots Is a Smart Green Move](#)  
Yale Environment 360

• **Municipal Solar & Community Power**



[Community Solar Tracker](#) & [Connecticut's Community Solar Program](#) Grades 6-12



[Could Everyone Have Solar Power?](#) Grades 6-12



[What Is Distributed Renewable Energy?](#) Grades 8-12



[Community Choice Aggregation: Empowering Local Energy Solutions](#)

CT Insider Newspaper Opinion, March 13, 2025

## Environmental Justice & Rights

- Environmental Justice
- Environmental Rights Amendment

## Environmental Justice Lesson Plans and Resources



[Connecticut Environmental Justice Screening Tool](#) **Grades 9-12**



[How Does Air Pollution Affect People Differently?](#) **Grades 6-12**



[Landfill Lesson: Environmental Justice](#) **Grades 6-8**

## Environmental Rights Amendment Lessons and Resources



**Inquiry Based Lesson Plan**

[Legislative Debate on the CT Environmental Rights Amendment Inquiry Lesson](#)

**Grades 8-12**



[CT Environmental Rights Amendment](#), Raising Up Environmental Rights in Connecticut

## Nature & Climate Solutions

- Nature-Based Solutions
- Water & Wetlands
- Conservation & Load Management Plans

- **Nature-Based Solutions Lessons and Resources**



[A Natural Solution to Climate Change,](#)

**Grades 6-12**



[Forests Near or Far Can Protect Water for Cities](#)

**Grades 6-12**



[How Can Nature Be Used as a Tool to Restore Ecosystems?](#) **Grades 6-12**

- **Water & Wetlands Lessons and Resources**



[ELA Lesson Plan: Healthy Rivers,](#) (science & social studies too)

**Grades 6-8**



[Social Studies Lesson Plan: Rivers and Water Rights,](#)

**Grades 7-12**



[Why are Coastal Wetlands So Important?](#)

**Grades 6-12**



[A Virtual Tour of Long Island Sound Habitats](#)

**Grades 4-8**

- **Conservation & Load Management Plans**



[Conservation and Load Management,](#) CT Dept. of Energy & Environmental Protection



[Testimony in Support of CT Act Concerning Energy Efficiency Funding and Programs,](#) by People's Action for Clean Energy,

## Waste

- Composting
- Food Waste Diversion



[Waste Management: Design Thinking Lesson,](#)

Grades 6-10

- **Composting**



[Compost 101,](#) detailed information & resources,

Grades 6-12



[A Peek Into Composting,](#) Lesson plan, activities, etc.,

Grades K-5



[Scraps Into Soil,](#) Lesson plan, worksheets, activities,

Grades K-5



[Increase Centralized Composting,](#) Project Drawdown,

Grades 9-12

- **Food Waste Diversion**



[Rethinking Food Waste,](#) Educated Choices Program,

Grades 6-12



[Food Waste Causes Climate Change. Here's How We Stop It.](#) Grades 6-12



[Food Waste Reduction and Recovery,](#) CT Dept of Energy & Environment Protection



[Bear Path School Food Waste Diversion Program, Sustainable CT](#)