

**On a sticky note,
list your
question(s) about
climate change**

* ENVIRONMENTAL *

CLIMATE SOLUTIONS FOR YOU, YOUR CLASSROOM, AND YOUR SCHOOL

TOOLKIT
TOOLKIT
TOOLKIT

The Howard County Conservancy

* ENVIRONMENTAL *



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The Journey of Climate Action



Facts on Climate Change

1. It's Real

Greenhouse gases have skyrocketed over the past 200 years

2. It's Us

Greenhouse gas levels directly associated with the Industrial Revolution

3. It's Bad

Extreme weather events increasing and fossil fuels are to blame

4. Scientists Agree

97% of scientists believe in human caused climate change

5. There's Hope

Clean and renewable energy sources, public concern, and climate education!



Howard County Plan

- Cut net emissions to 0 by 2050
- Increase use of renewable energy sources
- Reduce petroleum, coal, and natural gas usage
- Cut energy consumption overall
- Improve climate infrastructure
- Install LED lights across county
- Electric Vehicle Fleet
- Bills to support electrification
- Tree Afforestation/Reforestation

Howard County Conservancy's Work

- Youth Climate Institute
- Grade 6: Climate kNOWLEDge
 - Field trips
 - Climate Solutionists
 - Curriculum Development
 - Climate Club
- Teacher Climate Change Book Club



What YOU Can Do

- Self empowerment
- Take individual actions towards climate change
- Model those actions to your classroom
- Empower your students to make climate conscious choices



TOP 20 HIGH-IMPACT CLIMATE ACTIONS FOR HOUSEHOLDS AND INDIVIDUALS

OUR FOOD 🍴	OUR WASTE 🗑️	OUR TRAVEL 🚗	OUR ENERGY ⚡
12.4%	1.3%	2.8%	8.6%
		Public Transit (15.4)	Distributed Solar Photovoltaics (64.9)
		Carpooling (11.1)	Insulation (18.5)
		Electric Cars (9.8)	LED Lighting (15.7)
Reduced Food Waste (103.1)	Recycling (11.3)	Hybrid Cars (4.7)	Solar Hot Water (13.7)
Plant-Rich Diets (102.2)	Reduced Plastic (5.4)	Electric Bicycles (1.6)	High-Performance Glass (11.3)
	Composting (2.9)	Telepresence (4.4)	High-Efficiency Heat Pumps (9.1)
	Recycled Paper (1.4)	Smart Thermostats (7.3)	Low-Flow Fixtures (1.5)

The data presented here represents Gt CO2-eq | Graphic designed by Chad Frischmann

PROJECT DRAWDOWN

Think-Pair-Share

Where do YOU see yourself in climate action?

What steps would you like your classroom/ school to take?

Teacher Resources

Sign Up for the Washington Post Climate Coach Newsletter

Climate Coach

As climate change heats up the planet, most of us are wondering: What can I do? The Post's Climate Coach Michael Coren digs into the data to give evidence-backed advice and thoughtful analysis about what matters most to protect the planet, the climate and each other.

Enter email address

I agree to the Washington Post's Terms of Service and Privacy Policy *

2X A WEEK

"I investigate what we can do about climate change with curiosity, optimism — and vigilant skepticism."
Michael Coren, Climate advice columnist

THE HOWARD COUNTY CONSERVANCY PRESENTS:

TEACHER LEADERS IN CLIMATE CHANGE EDUCATION

2023 Session Information

- URBAN HEAT ISLANDS: FEBRUARY 16, 3:15PM AND 4:15PM
- LOCAL RESOURCES AND SOLUTIONS: MARCH 9, 3:15PM AND 4:15PM
- EMPOWERING YOUTH VOICES: APRIL 13, 3:15PM AND 4:15PM
- CLIMATE JUSTICE: MAY - DATE TBD

FREE and open to preK-12 teachers across the state of Maryland! 3-\$50 gift cards raffeled off to attendees of each session.

Each session repeats. Select the time that fits your schedule.
Attend 1 or all 4!

PRE-REGISTRATION REQUIRED

<http://bit.ly/3BUrGyo>

Questions?
bess.caplan@howardnature.org

Program thanks to Maryland Association for Environmental and Outdoor Education Funding.



Howard County Conservancy
connecting people to nature

Teacher Leaders in Climate Education

Hot Topics:

- Urban Heat Islands
- Resources & Solutions
- Empowering Youth Voices
- Climate Justice

\$50 Amazon Raffles at each session

4 toolkits will be awarded

Project Drawdown

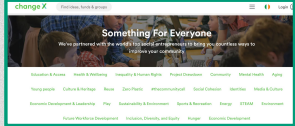
CLIMATE SOLUTIONS 101 PRESENTED BY PROJECT DRAWDOWN

Some good news!



Next Level Steps

Climate X
Community Level Projects:



Solutions University
Climate Change Stories



Youth Climate
EcoChallenge

