



Sustainability

LEADERS NETWORK

Outline and Curriculum for Teaching an Introduction to Drawdown

Assign for homework to read in advance as an example of one of the top Drawdown solutions — National Geographic article:

<https://www.nationalgeographic.com/environment/2019/04/disposing-old-cfcs-refrigerants-reduces-climate-change-greenhouse-gases-cheaply/>

Here is an outline that matches the slide presentation. Adapt, lengthen, add local examples and refine to any way that best serves your participants and your local environment, institutions and community.

Slide 1

Drawdown is the point at which levels of greenhouse gases in the atmosphere stop climbing and then steadily decline, ultimately reversing global warming. Aspiring to this point can give us hope that climate change is reversible.

Slide 2

Project Drawdown mission; gather and facilitate a broad coalition of researchers, scientists, graduate students, PhDs, post-docs, policy makers, business leaders and activists to assemble and present the best available information on climate solutions in order to describe their beneficial financial, social and environmental impact over the next thirty years.

Slide 3

Vision: To date, the full range and beneficial impact of climate solutions have not been explained in a way that bridges the divide between urgency and agency. The aspirations of people who want to enact meaningful solutions remain largely untapped. Dr. Leon Clark, one of the lead authors of the IPCC 5th Assessment, wrote, “We have the technologies, but

we really have no sense of what it would take to deploy them at scale.” Together, let’s figure this out.

Slide 4

History: Project Drawdown was founded by author, entrepreneur, and environmentalist Paul Hawken in 2014 to map, measure, and model the most substantive solutions to stop global warming, and to communicate those findings to the world

Drawdown solutions include:

- Waste to Energy
- Food Waste
- Educating Girls
- Net Zero Buildings
- Regenerative Agriculture
- Telepresence
- Refrigerant Management
- Transportation

Discussion– why Drawdown is useful

Slide 5

Take Quiz, individually or in pairs

<https://www.cnn.com/interactive/2019/04/specials/climate-change-solutions-quiz/index.html>

Group debrief: What surprised you? What did you learn?

Slide 6

“Developing original actionable ideas based on the Drawdown solutions spreads hope that solutions exist, catalyzes more people to take action, and may result in greater impact.

Slide 7

Plus you’ll learn about design thinking and deepen your climate change knowledge, boosting you candidacy for future jobs and your ability to make change.” — *Net Impact*

Slide 8

Discuss Examples:

Refrigerants, #1, page 164 from the Drawdown 2017 book edited by Paul Hawken

Refer to the National Geographic article read for homework

- What did they learn from the National Geographic article?
- What stood out for them the most?
- Tradewater destroys refrigerants by trading for California Carbon Credits
- What is different in Ghana and the US in this work?

Slide 9

Women and Girls – Global Alliance for Green and Gender Action, #62, page 76

Led from Nicaragua. Focuses on women’s leadership in environmental justice issues.

<https://www.bothends.org/en/Our-work/Dossiers/Global-Alliance-for-Green-and-Gender-Action-GAGGA-/>

Slide 10

AgroForestry – Rich Forests #28, page 46

Transformation of degraded land into food forests. With this, people provide for their livelihood, increase their income and at the same time restore soil and biodiversity.

<https://www.bothends.org/en/Our-work/Alternatives/Rich-Forests/>

Discuss what institutions and businesses around you are doing from the Drawdown list
Add in local examples

Slide 11

Pass around 1-page list of Drawdown solutions

- Check which ones might be of interest to dedicate some of your career to
- Star any your work is already addressing
- Circle those you want to work on in your volunteer time

Discuss in pairs or small groups

- Pick a category from your lists
- Discuss what you each know about it, why you want to work on it
- Brainstorm how one might maximize the impact of the solution(s) to reverse the effects of climate change
- What can each of you contribute to the issue?
- What do the jobs in the issue areas look like?

Group Debrief

- What surprised you
- What did you learn
- What are you taking with you
- What do you want to pursue

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