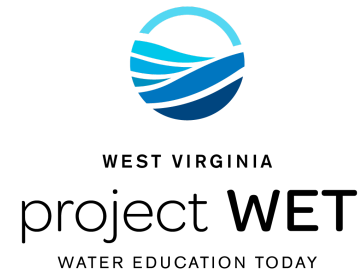


To supplement the material covered in the Climate, Water, and Resilience Workshop, WV Project WET has compiled the following resources for educators to view:



## WV SPECIFIC RESOURCES

### [West Virginia Climate Link](#)

WV ClimateLink is a tool for exploring and learning about West Virginia's changing climate and what it means for communities, ecosystems, and economies.

### [West Virginia Flood Factor](#)

Flood risk overview for West Virginia, explore maps to learn about homes, roads, business, and services at risk in West Virginia.

### [West Virginia Flood Tool](#)

The West Virginia Flood Tool is designed to provide floodplain managers, insurance agents, developers, real estate agents, local planners and citizens with an effective means by which to make informed decisions about the degree of flood risk for a specific area or property.

### [WV Flooded Towns](#)

A story map discussing the historic flooding of Southern West Virginia on June 23, 2016.

## INTERACTIVE TOOLS TO TEACH ABOUT CLIMATE CHANGE

### [i-Tree MyTree Activity](#)

A variety of tools exists to understand the carbon benefits of trees from the individual tree level to the regional/continental level.

### [River Runner USGS Tool](#)

Follow a raindrop anywhere in the contiguous United States and watch where it ends up.

### [Visualizing Change: Multimedia Data Interpretation Tools](#)

Educational resources for multiple topics available for download as well as many related resources.

### [Yale Climate Opinions Map](#)

These maps show how Americans' climate change beliefs, risk perceptions, and policy support vary at the state, congressional district, metro area, and county levels.

### [En-ROADS Simulator](#)

Leading group experiences with the En-ROADS simulator is a rewarding way to engage people around climate change solutions (both in-person and online).

### [Climate in the United States](#)

The United States has experienced a wide variety of extreme weather over the last 125 years, impacting people, communities, and geographies. Track monthly data on how counties experience severe weather, including precipitation and temperature.

## LESSON PLANS & ACTIVITIES

### [Yale Program on Climate Change Communication](#)

For Educators: Grades 6-12

Climate change is a complex topic to teach. In addition to teaching the science behind climate change, it is critical to help students become effective climate change communicators.

### [Carbon Journey Game](#)

In-Class Carbon Journey Game

The original carbon journey game (below), is a paper-based activity that requires printing and setting dice playing pieces for different "reservoirs" and "flux" processes for carbon. For a good background material, read pages 31, 53, and 57 of this lesson plan.

## VIDEOS

### [Climate Stories Project](#)

Climate Stories Project is an educational and artistic forum for sharing personal stories about the changing climate. Sharing your climate story helps build an inclusive and effective movement to confront the climate crisis.

### [Global Warming from 1880 to 2021](#)

Earth's global average surface temperature in 2021 tied with 2018 as the sixth warmest year on record, according to an analysis by NASA.

### [Earth Minute Videos](#)

NASA isn't all about interplanetary exploration; in fact, the agency spends much of its time studying our home planet. This fun whiteboard animation series explains Earth science to the science-curious. (Videos can be downloaded in Spanish).

### [Climate 101: Cause and Effect](#)

What causes climate change? And what are the effects of climate change? Learn the human impact and consequences of climate change for the environment, and our lives. Grades 5-12+

### [12 Videos to Help us Understand Climate Change](#)

Project Learning Tree compiled 12 videos to help introduce the complex science of climate change to your students.

### [FCCP & USFS Office of Sustainability and Climate Videos](#)

The FCCP partnered with the US Forest Service's Office of Sustainability and Climate to develop a series of short videos that break down the complex interactions and dynamics of forests and carbon. The videos range from forest carbon interactions at the individual tree level and scale up to landscape-level interactions with atmospheric carbon and how carbon sinks and sources can change over time. In total, four short animated videos were developed: The Natural Boom & Bust Cycle of Forest Carbon, Carbon Cycle: The Closed Loop of Forest Carbon in the Atmosphere, Carbon Processes: Sources & Storage, Carbon in Time and Space: A Spatial and Temporal View.

## ONLINE AND/OR IN-PERSON TRAININGS

### [Project WET \(Water Education Today\)](#)

FREE through a WV Coordinator or \$65 Online

### [Project DRAWDOWN](#)

Project Drawdown® is a nonprofit organization that seeks to help the world reach “drawdown”—the future point in time when levels of greenhouse gases in the atmosphere stop climbing and start to steadily decline.

### [WV Climate Change Professional Development](#)

This is a gallery of resources and activities implemented during WV Climate Change PD sessions. The WV Climate Change PD does not take credit for any of the activities on this page, but has compiled the resources for use by WV educators.

### [Climate Change Communication Training](#)

Online training available from National Network for Ocean and Climate Change Interpretation (NNOCCI)

### [Climate Online Courses](#)

MSU FCCP is pleased to announce a collection of online short courses tailored for natural resource professionals, extension agents, and landowners:

### [Learning Exchange Series](#)

The Forest Carbon and Climate Program (FCCP) is partnering with the Forest-Climate Working Group (FCWG) to offer a curated Learning Exchange Series on forest carbon and climate issues to group members and the public.