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

WEST VIRGINIA
project WET
WATER EDUCATION TODAY

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.