

Additional Resources

Videos

<p>Can Animals Adapt to Climate Change https://ed.ted.com/lessons/can-wildlife-adapt-to-climate-change-erin-eastwood : Brings biology and heredity into climate change by looking at animal adaptations that are already occurring, due to climate change.</p>	<p>Climate Change: Earth’s Giant Game of Tetris https://ed.ted.com/lessons/climate-change-earth-s-giant-game-of-tetris-joss-fong#review : Look at the carbon accumulating in the atmosphere like a game of Tetris with the blocks stacking up.</p>	<p>Cloudy Climate Change: How Clouds Affect Earth’s Temperature https://ed.ted.com/lessons/cloudy-climate-change-how-clouds-affect-earth-s-temperature-jasper-kirkby#review : How do scientists predict how rising carbon levels will affect both the climate and humans?</p>
<p>Cosmos Episode 4: World Set Free Available via Netflix: In this Netflix video (about 30 minutes long), Neil DeGrasse Tyson explains carbon in our atmosphere and its impacts, including climate change.</p>	<p>Is Our Climate Headed to a Mathematical Tipping Point? https://ed.ted.com/lessons/is-our-climate-headed-for-mathematical-chaos-victor-j-donnay : A 2-degree Celsius temperature change on Earth could have a large impact. Scientists and mathematicians create predictive models to determine what those might be.</p>	<p>The Science Behind a Climate Headline https://ed.ted.com/lessons/rachel-pike-the-science-behind-a-climate-headline#review : A PHD student explains all of the time, effort and people that contribute to a single understanding about climate, atmosphere, or climate change. She answers the high-level question “How do we know all of this?”</p>

Causes of Climate Change

<p>NASA US EPA Intergovernmental Panel on Climate Change United Nations National Oceanic and Atmospheric Association</p>
--

Impacts of Climate Change

Drought	Stormwater	Heat
<p>CA State Water Board, NRDC Climate Change and Health in California; North America and Megadrought</p>	<p>EPA: Manage Flood Risk Public Policy Institute of California States at Risk CA Climate Change Assessment Quartz</p>	<p>EPA: Reducing Urban Heat Island Effect ; SMC Sheriff’s Office Resources, Climate Change and Health Profile Report SMC,</p>

Quartz County of Orange		IPCC Emissions Scenarios, IPCC 5th Assessment Report
Fire & Air Pollution	Food Insecurity & Agriculture	Sea Level & Acidification
EPA: What is Particulate Matter; Climate Ready - Preparing for Wildfire Convening - March 2019; NPR: Trauma After The Fire; Air Now: How Smoke From Fires Can Affect Your Health NPR; National Geographic; Scientific American; Wikipedia	CFPA: Food Insecurity in CA Office of Disease Prevention and Health Promotion ; USDA: Food Deserts Food Security Crisis; Climate Change and Food Security CDFA Coastal Commission Climate Assessment CalCAN Climate Change Impacts on Agriculture	Sea Level Rise Vulnerability Assessment, NOAA - Coastal Flooding in California, Sea Level Rise.org, Foster City Flood Risk, Climate Assessment, CA Coastal Commission OC Coastkeeper