

Student & Educator Climate Resource Toolkit

Created by the Climate and Resilience Education Task Force

Youth Steering Committee

Below you will find a compilation of vetted resources—including curriculum sets, lesson plans, websites, organizations to get involved with, and information on environmental justice—curated by high school students, for students and teachers interested in engaging with the climate crisis. For teachers, these resources provide insight into how to facilitate climate discussions and classroom activities. For students, these resources will teach you how to get involved in student-led activism, reliable research, and interactive activities that lead to a deeper understanding of the climate crisis.



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General Teacher Resources

[NYC Climate Coalition’s Climate Education Teacher Resources](#)

(NYC Climate Coalition)

A resource made by the NYC Climate Coalition providing access to a large variety of materials including articles, lesson plans, and worksheets.

[RiSC Curriculum](#)

(Resilient Schools Consortium)

A free curriculum, designed by teachers for teachers, to increase climate science and resilience knowledge, and critical thinking skills, of middle and high school teachers and students and empower them to build climate resilience in their communities.

[DEP Climate Change Education Module](#)

(NYC Department of Environmental Protection)

This is a collection of multidisciplinary lessons and activities that can be used to introduce students and teachers to a range of NYC-specific climate topics and how climate change has been impacting their city.

[Nine climate change books for educators](#)

(Yale Climate Connections)



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This resource is great for educators interested in an in-depth explanation of how to educate about climate change. Yale Climate Connections highlights 9 books about how to teach climate change in STEM and humanities classes, as well as books focused on progressive climate change lesson plans and curriculum.

[ACE Our Climate Our Future Video Curriculum](#)

(Alliance for Climate Education)

ACE's Our Climate Our Future platform includes lesson plans, activities, video stories, and animated content to help educators teach about climate change both in person and virtually.

[ClimateGen Curriculum](#)

(ClimateGen)

A suite of Grades 3-12 curriculum resources in the form of curriculum guides, as well as online modules that can be downloaded for free. All of these resources are interdisciplinary and can be used in the following classes: earth science, life science, physical science, civics, economics, history, media, English Language Arts, environmental science, geography, and art.

CLEAN Network's Climate Literacy [Resources for Parents and Families](#), [Guidance in Teaching About Climate and Energy](#), and [Educator Toolbox](#)

(Climate Literacy and Energy Awareness Network)

This a collection of 700+ free lessons, to ensure accurate science and pedagogical effectiveness, that were reviewed by CLEAN's network of scientists and teachers. These lessons teach kids about climate change through age-appropriate videos, interactive visualizations, and hands-on science activities!

[NOAA Climate Virtual Teaching Resources](#)

(National Oceanic and Atmospheric Administration)

This is a quick roundup of NOAA's most popular climate education resources to help you teach, remotely, about the ocean and atmosphere.

[Green Design Lab](#)

(Solar One)

Solar One's K-12 Education Program - Green Design Lab - promotes experiential learning opportunities through science, technology and design. Solar One's programs increase environmental knowledge about Energy, Water, Materials Science and Food, while fostering sustainable behaviors and stewardship.



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[Climate Leadership and Community Protection Act \(CLCPA\) Implementation Organizing Campaign Toolkit](#)

(NY Renews)

This toolkit is put together by NY Renews, a coalition of nearly 200 environmental, justice, faith, labor, and community groups, and the force behind the nation's most progressive climate law. "We fight for good jobs and climate justice, and we're just getting started."

[Climate and Community Investment Act \(CCIA\) One Pager](#)

(CCIA)

A bill being introduced this year. The Climate and Community Investment Act (CCIA) would make polluters pay for the harm they've caused our communities, and invest funds to transition our state to a just, renewable economy.

Educator Elementary School Resources

General

[Elementary Teaching Strategies](#)

(Clean Net)

This resource from Clean Net provides detailed teaching strategies for teaching climate change to elementary school children. They also created a Spanish version available [here](#).

Science

[Explore Space Science Activities](#)

(Lunar and Planetary Institute)

An engaging icebreaker activity for younger kids that teaches the importance of water. With this activity students will learn about how water comprises the majority of earth's surface, and follow through with some discussion.

[NASA Climate Kids: Home](#)

(NASA)

This resource is a simple and easy to understand guide to the environment and climate change for younger kids that helps to foster a love for nature.



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[Educator Guide: Precipitation Towers: Modeling Weather Data](#)

(NASA)

This lesson uses stacking cubes as a way to graph and compare precipitation data. Variations on the lesson can accommodate various ages and ability levels from grades K-5.

[Educator Guide: The Sky and Dichotomous Key](#)

(NASA)

A great resource for students to learn about weather, clouds, and the dichotomous key. It includes printable handouts and a classroom activity.

[What is climate change? A really simple guide](#)

(BBC)

A great introductory explanation of climate change ideal for grade 4 and up. It breaks down what causes climate change, how it impacts the earth and existing evidence. Lots of great diagrams.

History And Policy

[A brief history of climate change policy](#)

(SOAS)

A simple guide of the history of climate change policy which is important to know when wanting to move forward with work in policy.

Language And Arts

[Climate Change and Visual Arts](#)

(Teacher's Climate Guide)

This resource provides lots of creative art exercises for students. Additionally, it includes an image gallery of climate inspired art, and an article detailing how art can be used for change

[Educator Guide: Planetary Poetry](#)

(NASA)

A climate poetry lesson plan put together by NASA that provides inspiration for poems, and different ideas based on the age levels of students.

[Children's books about climate change](#)

(Yale Climate Connections)



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Teach climate change through literature! In this resource, Yale climate connection highlights 12 books to empower children to take an interest in climate change.

[Seven Birdy Books for Kids](#)

(Audubon)

A list of 7 books related to birds curated by the Audubon society. Great resources to foster an appreciation for nature in young students.

Educator Middle School Resources

General Middle School Resources

[Middle School Curriculum | Climate Change Education | Stanford Earth](#)

(Stanford)

This resource is an introduction to climate change and goes into more detail on exactly what it is. It includes slides, activities, and homework.

Sustainability

[Sustainability Training](#)

(NYC DOE Department of Sustainability)

This resource outlines the basics of sustainability specific to NYC. It includes many graphics and statistics that are comprehensible for students.

Science

[Rooftop Gardens - Activity](#)

(Teach Engineering)

This resource is a lesson plan for a hands-on learning project. In this activity students construct models of buildings with and without rooftop gardens to determine their effect on the inhabitants of the building and the surrounding environment.

[Educator Guide: Pixels on Fire | NASA/JPL Edu](#)

(NASA)



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This is a hands-on lesson curated by NASA with a visual and hands on activity that creates a deeper understanding on wildfires and how to detect them.

[Explore Space Science Activities](#)

(Lunar and planetary institute)

This is a lab for students to model the effect of sea level rise on the planet.

[Educator Guide: Lessons in Sea-Level Rise](#)

(NASA)

This problem set has students learn about sea level rise and then discuss its importance. It includes printable handouts, videos, and interactive graphs.

[Educator Guide: Modeling the Water Budget](#)

(NASA)

In this activity, students will use California precipitation totals and evapotranspiration data to calculate and graph water deficits and surpluses. These spreadsheet models will help students understand droughts and the movement of water in the water cycle.

[Lesson Plans for Educators | A Student's Guide to Global Climate Change](#)

(EPA)

EPA has compiled a suite of hands-on, interactive lesson plans to complement and make use of the material on this website. The plans, aimed primarily at middle school students, work systematically and individually to reinforce students' knowledge of climate change, as well as enhance skills across multiple disciplines. The lessons are correlated to national science standards.

[Climate change explained in six graphics](#)

(BBC)

Breakdown of climate change and its effects in six animated graphics made by the BBC. A great resource that allows students to better visualize climate change.

[NCA Education Resources for the Northeast Region](#)

(Climate.gov)

This website contains resources for educators on teaching about climate change specific to the Northeast region of the U.S..

[Catching a Heat Wave](#)

(Climate.gov)



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This is a hands-on lesson (requiring some material) on catching a heat wave. Also includes some talking points and questions to ask students once the lesson is over.

Language and Arts

[Teacher climate visual arts guide](#)

(Teachers Climate Guide)

This resource provides lots of creative art exercises for students. Additionally, it includes an image gallery of climate inspired art, and an article detailing how art can be used for change.

[An Introduction to Climate Change Using Global Youth Artwork Gallery Walk](#)

(Bow Seat)

This resource provides an introduction to climate change using global youth art. The lesson includes a gallery walk displaying youth climate art, followed by a discussion.

[Tips For Teaching Your Students About Climate Change And Global Warming](#)

(NPR)

This is a guide for teachers to lead their students in climate themed artwork. This requires students to get a deeper understanding.

[Climate Change Literature that Made Waves in 2020](#)

(NRDC)

A list of climate literature to teach in your class. These range from major climate reports, to climate fiction and climate journalism.

[Educator Guide: Planetary Poetry](#)

(NASA)

A climate poetry lesson plan put together by NASA.

[Water Scarcity and Perseverance Humanities Module](#)

(Climate Gen)

This standards-based, interdisciplinary humanities module uses historical fiction to tell the story of Nya and Salva to bring the discussion of water scarcity to the English/Language Arts, social studies, and science classroom. Students read the book with guidance from literary worksheets; research the causes and implications of the war in Sudan through the lens of geography, economics, civics and history; and learn about water management and desertification in science.



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Educator High School Resources

Sustainability

[Copy of Sustainability Training 101.pptx](#)

(NYC DOE Department of Sustainability)

This resource outlines the basics of sustainability specific to NYC. It includes many graphics and statistics that are comprehensible for students.

Science

[Educator Guide: Think Green - Utilizing Renewable Solar](#)

(NASA)

This is a lab where students are directed to use NASA satellite data for their assigned location (school) to learn more about solar panels and energy sources. The objective of the activity is to evaluate what parameters are important in implementing alternative energy, and whether using solar panels is the most cost-effective for their location or school.

[Educator Guide: Coral Calculus: A 'Pi in the Sky' Math](#)

(NASA)

This is the “Pi in the Sky” calculus challenge to help students understand how math is applied in the real-world. In this virtual lab, students need to use the mathematical constant pi to measure the water depth of an area mapped by the CORAL mission.

[2050 Pathways - GOV.UK](#)

(UK Gov)

This resource explores how the world will change in terms of climate by 2050. There are overviews, debates, and simulation reports that cover the effects of climate change in the UK.

[Climate Change Curriculum Lesson Plan](#)

(Stanford)

This is a detailed lesson plan for a climate change curriculum. It includes powerpoint slides, problem sets, diagrams and activities.

[High School Curriculum | Climate Change Education | Stanford Earth](#)



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(Stanford)

This is a set of lesson plans curated by Stanford with lesson guides for small group discussions and learning new vocabulary. There are also websites and videos included as additional resources.

[Lesson Plans for Educators | A Student's Guide to Global Climate Change](#)

(EPA)

This website offers 7 in depth lesson plans for students. A variety of topics are discussed that provide an introduction to the issues of climate change. Topics include: Weather and Climate, Mapping GreenHouse Gas Emissions, Sea levels, Coral Chemistry, and more!

Language and Arts

[Climate Change Literature that Made Waves in 2019](#)

(NRDC)

A list made by the NRDC providing a variety of nonfiction books, reports, fiction, and more that could be incorporated into class curriculums. The literature listed is great for students to learn in depth about a specific topic they are interested in.

[Teaching Climate Change With The Lorax and The Jungle](#)

(Literary Hub)

An article written by an educator explaining how he used *The Lorax* by Dr. Seuss to teach High School students about climate change in an engaging way.

[Educator Guide: Planetary Poetry | NASA/JPL Edu](#)

(NASA)

A climate poetry lesson plan for teachers put together by NASA that includes background information about the different types of poetry students can create and a guide to how to introduce poetry for STEM to students.

[Climate Art for Congress](#)

(Climate Museum)

An opportunity for students to make climate art to send to congress. This article explains how and why to do so.



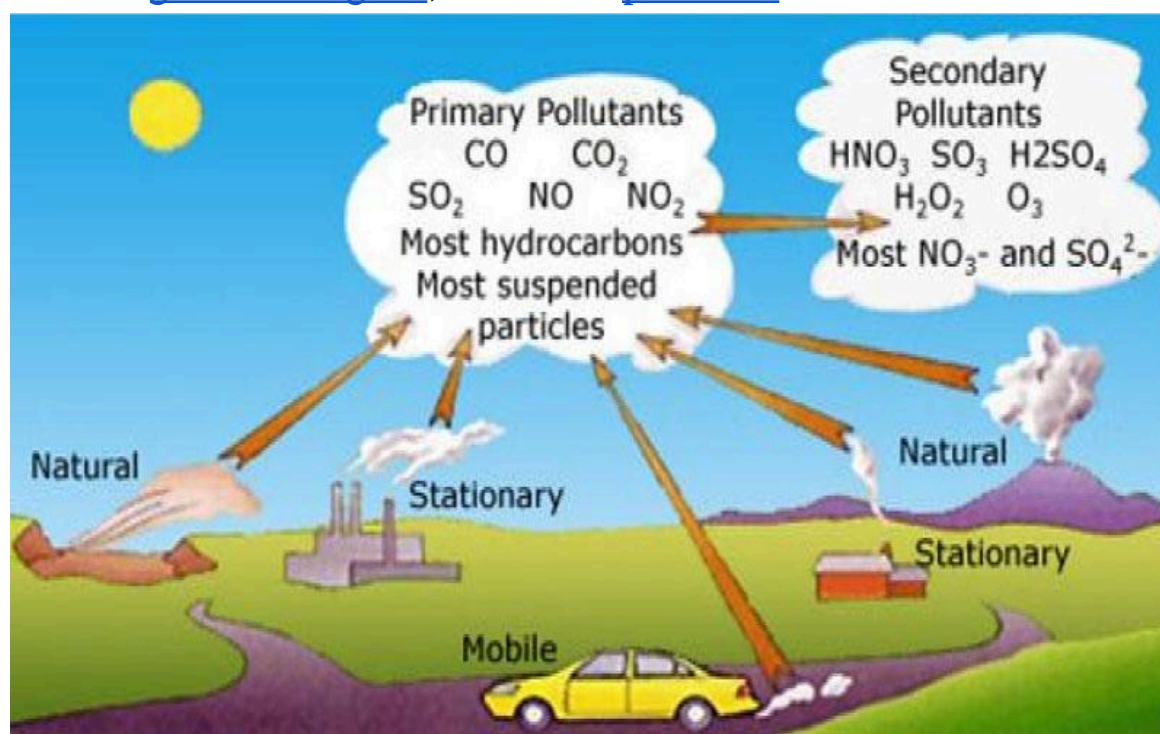
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Elementary School Student Resources

Hello! Today you'll be learning about the earth, its resources, and climate change. After you read about it here, you can click and find videos, worksheets, and websites to help you learn more.

[\(What is the Greenhouse Effect?\)](#)

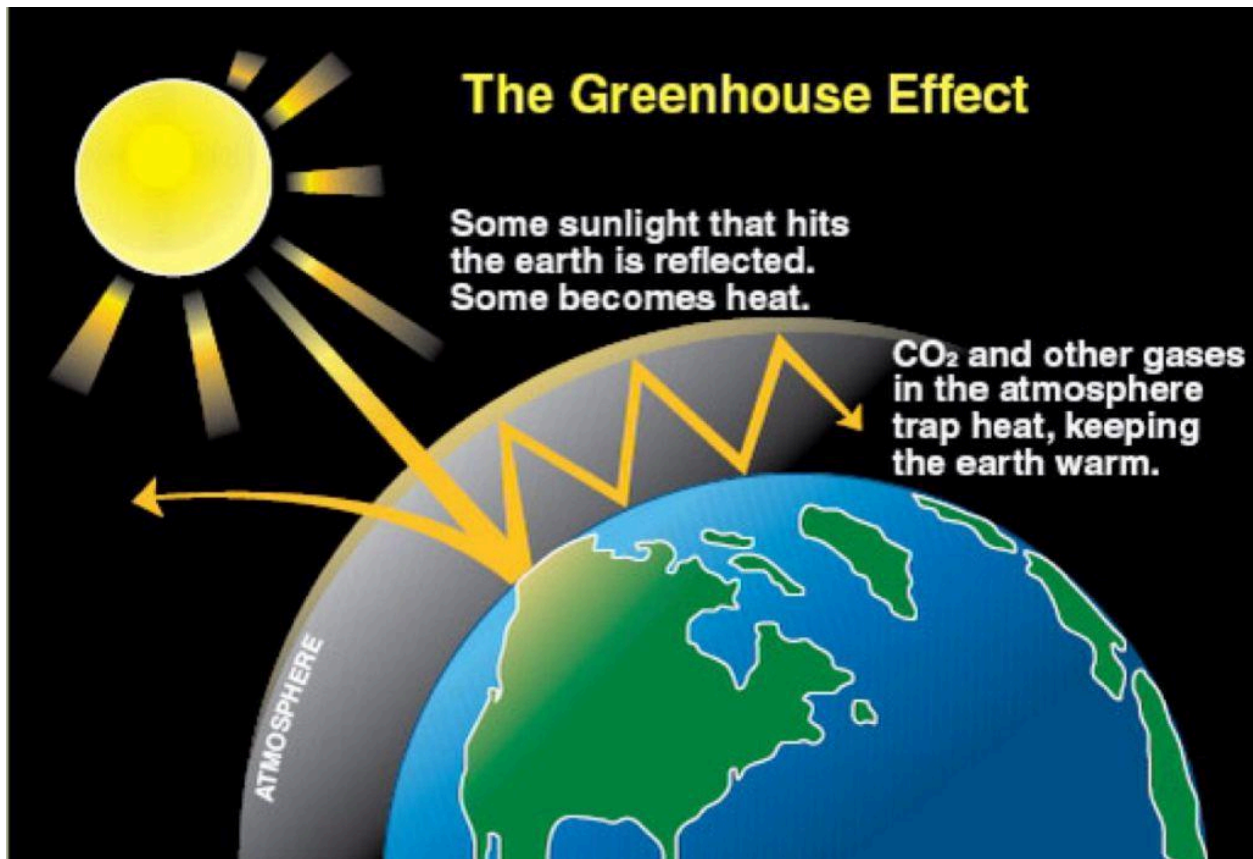
The Earth is made up of different types of rocks and minerals, and the air in the atmosphere is made up of different types of gases (oxygen, carbon dioxide, methane). Some of these gases help protect the earth from UV rays (a type of light that can hurt living things), like ozone oxygen (it is oxygen that is bigger than the oxygen we breath), others help keep the Earth warm. The type of gases that keep the Earth warm are called [greenhouses gases](#), and are also [pollutants](#).



Like how a greenhouse keeps plants warm in the winter by trapping heat, greenhouse gases trap in heat rays from the sun, and this is called [The Greenhouse Effect](#).



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(How does the Greenhouse Effect cause global warming?)

The greenhouse effect helps keep the Earth warm enough for people, plants, and animals to live comfortably. But what happens when there's too much greenhouse gases and it gets too hot? This is called [global warming](#). Global warming happens when there's a lot of greenhouse gases that become a thick layer that heat cannot escape from, making the Earth very hot and also polluting the environment.



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(What are some effects of global warming?)

When the Earth is hot, the [ice](#) in the North and South Pole start melting very fast, like how a popsicle would on a hot summer day. This is becoming a problem because this also means the oceans are getting bigger from the water that has melted off of the polar ice caps. When this happens, the [sea levels are rising](#), which can become a problem for people living at lower elevations by the water. At coastal cities, sea level rise can increase floods and make it dangerous when it rains or storms there.



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A lot of houses and towns can get destroyed when there are [hurricanes](#). If global warming continues to get worse, there will be less land for people to live on because of rising [sea levels](#).

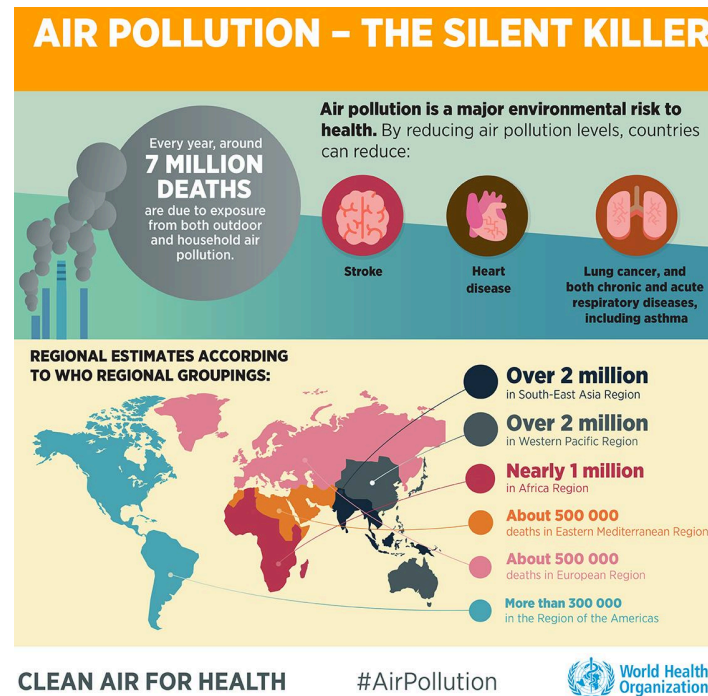
In addition, not only are the homes of people living by the waters being affected, but so are the animals that live on the ice (like polar bears and penguins). In the arctic, polar bears have already lost a lot of the ice and land, which is forcing them to try to find a safer home. Some become stranded in the middle of the oceans and others get attacked by townspeople of the land that the polar bears are trying to move to.

[\(How is pollution related?\)](#)

While greenhouse gases are making the Earth warm, they are also acting as pollutants when a large amount of it is being released into the air we breathe. A great cause of global warming is the [burning of fossil fuels](#) (like coal and gas), which is done by a lot of factories to generate power and run machines. Fossil fuels are used for a lot of different things, such as generating electricity in buildings or for driving cars, but when people are using them they are also releasing a lot of a greenhouse gas, called carbon dioxide, into the air.



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(What are the effects of pollution on health?)

Having too much of these pollutants in the air is just as bad for the Earth as it is for our bodies. Studies show that people who live near factories or by a place that has a lot of air pollution, begin to have lung and breathing problems.

(How is this related to Climate Social Justice?)

Air pollution and how close certain cities are from factories has also affected the neighborhoods around them. Studies show that homes around cities with poorer air quality have cheaper rent compared to where there's cleaner air, which pushes marginalized communities and people in poverty into polluted neighborhoods.

(What are some of the solutions?)

Because we know what CAUSES climate change, we can also reverse its effects. However, this will take a lot of time to recover from the harm that humans have caused on Earth. We know that the greenhouse effect is caused by carbon emissions and also some other gases, so to reverse their effects, we must REDUCE their production.

For example, we can reduce the amount of carbon dioxide that is in the air by:

- Growing more trees to REMOVE carbon dioxide from the atmosphere, or stopping deforestation.
- Transitioning to renewable energy –like solar, wind, and hydro energy– [instead of using fossil fuels](#).
- Supporting eco-friendly apparel companies, instead of fast-fashion companies.



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- Follow the 3R's –recycle, reduce, and reuse– so that more fossil fuels aren't

Summary?

Even though man-made climate change has a negative impact on the earth, educating yourself on these issues is the first step to raising awareness and solving these problems.

PreK-2nd Grade

Below you will find easy interactive activities that can be done with any students from grades K-2. All resources are easy to navigate and comprehensible .

[Natural Resources](#)

(Brain pop)

Brain pop video that explains natural resources and the benefits of using them as time moves on.

[Reduce, Reuse, Recycle](#)

(Brain pop)

A fun video where you're getting walked through what happens when waste goes into landfills vs. recycling your waste.

[NASA Climate Kids: Home](#)

(NASA: Climate Kids)

NASA video that explains natural resources and the benefits of using them as time moves on.

[National Geographic Kids](#)

(National Geographic)

A great resource from National Geographic to learn about animals and nature. This website has lots of games, videos, and information about super cool animals.

[Live Cams](#)

(Bronx Zoo)

Watch the animals of the Bronx zoo live! From 10AM- 4PM.

[Live Cams](#)

(San Diego Zoo)

Check out some animals from across the country! Watch one of San Diego zoo's many live cams.



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[Audubon for Kids | Nature Activities, DIY, Lessons for Home](#)

(Audubon)

Audubon's resources to learn all about birds, and how they are affected by climate change. There are lots of games, activities, and things to read/ interact with.

[Student Assignment Doc ConEd K-2](#)

(ConEdison)

Assignments from Con Edison regarding learning about what energy is, and how to save energy at home. There is also an activity for families to complete.

3rd-5th Grade

Below you will find links to anything that you may still have interest/ questions about. You can find links to videos, articles and interactive activities!

Science

[NASA's Climate Kids: Energy](#)

(NASA)

Fun games by nasa that can help you better understand the concept of sustainable energy sources.

[Natural Resources](#)

(Brainpop)

Brain pop video that explains natural resources and the benefits of using them as time moves on.

[Reduce, Reuse, Recycle](#)

(Brainpop)

A fun video where you're getting walked through what happens when waste goes into landfills vs. recycling your waste.

[What If We Stopped Burning Fossil Fuels Right Now?](#)

(INSH)

A video to help visualize what the world would be like if we stopped burning fossil fuels.



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[Awesome Earth Science Apps, Websites, and Games | Common Sense Education](#)

(Commonsense)

A website where you can get links to multiple different apps, websites and games that can be a fun way to learn more about ecology and earth science.

[Earth and Environment Classroom Resources | NSF](#)

(National Science Foundation)

Classroom resources on links that can assist in with school projects and also learning more information on ecology and earth science.

[NASA Climate Kids: Home](#)

(NASA)

A website of visual resources that can be used to learn more about ecology and earth science, it goes into depth about the topic and why scientists study earth science and ecology.

[Climate Change](#)

(Brainpop)

This video breaks down the concept of climate change into easy terms and also goes into the importance of persevering natural resources.

[Impacts of Climate Change](#)

(Dept. of conservation NY)

This is a website that is going over current impacts by climate change in New York's public spaces and beaches.

[Where in the World Would We Be If Earth's Ice Melted?](#)

(INSH)

This is a video that predicts and helps to visualize what the Earth will be like if all of the Earth's ice melts.

History and Policy

[Intro to Letter Writing](#)

(Reading Rockets)

A website that goes over how to write a formal letter that can be used to draft a letter to a legislator about climate policy in your state.

[How Can Kids Reach Out To Congress](#)

(Bump Reveal)



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An easy step by step guide on how to reach out to Congress and how to get political figures attention on issues you are passionate about.

Middle and High School Student Resources

Science

[The Story of Stuff Project](#)

(The Story of Stuff Project)

A 20-minute long informational video by The Story of Stuff Project shares an overview of the environmental and social issues related to production and overconsumption.

[Climate Change Impacts in New York](#)

(Nature.org)

A PDF document created by Nature.org summarizing the effects climate change will have on New York.

[Vital Signs of the Planet](#)

(NASA)

NASA details the scientific evidence that proves climate change is real, and links to learn more in depth about specific causes.

[Impacts of Climate Change in New York](#)

(Dept. of environmental conservation)

The NY Department of Environmental Conservation details the impacts of climate change that are specific to New York.

[CCIA One Pager \(1\)](#)

(CCIA)

This document details the Climate and Community Investment Act (CCIA), that would make polluters pay for the harm they've caused our communities, and invest funds to transition our state to a just, renewable economy.

[CLCPA Implementation Organizing Campaign Toolkit](#)

(NY Renews)

This toolkit is put together by NY Renews, a coalition of nearly 200 environmental, justice, faith, labor, and community groups. The toolkit is a



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living document, designed to be updated as the implementation process moves forward and the political environment changes. This is great for learning more on how to produce effective advocacy and making effective change.

Language and Arts

[Ocean Awareness Art Contest Overview | WATER RISING](#)

(Bowseat)

The 10th annual Ocean Awareness youth to learn about environmental issues through art-making and creative communication, explore their relationship to a changing world, and become advocates for positive change. Students ages 11-18 from around the world are invited to participate.

[Climate Change Library](#)

(Literature Hub)

For a deep dive into climate change via literature, this resource provides hundreds of pieces of writing related to climate change.

[6 Pieces of Climate 'Artivism' That Will Make You Stop and Stare](#)

(Global Citizen)

Shows the intersections between art and climate activism by highlighting 6 pieces of climate related art.

Environmental Justice Resources

[Native-Land.ca | Our home on native land](#)

(Native Land)

This interactive map and website allows users to find what Native American territory they are on. It also teaches about territory acknowledgement, a way that people insert an awareness of Indigenous presence and land rights in everyday life.

[Asset Mapping Activity](#)

(Everyday Democracy)

“This Asset Mapping Activity can be used to identify the resources that will help your coalition organize a dialogue-to-change effort. Bringing together a diverse group of people to identify a wide range of community assets will also help you to begin preparing for the action that will take place after the dialogues. This is an intermediate level exercise that works best with an experienced facilitator.”



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[EPA Report Finds that Enviro Racism is Real](#)

(The Atlantic)

An article detailing an Environmental Protection Agency report that concludes that environmental racism in America is real.

[NAACP | ECJ Youth and College Toolkit](#)

(NAACP)

The NAACP Environmental and Climate Justice (ECJ) Program's Youth and College Leadership created a toolkit designed for youth to get involved with environmental justice. The toolkit includes many ideas outlining projects such as starting a community garden or hosting a Twitter Town Hall.

[7 Young Activists Working at the Intersection of Environmental and Racial Justice](#)

(Do Something)

An article profiling seven young climate activists working towards causes related to environmental justice.

[Race and Nature, Resources](#)

(Dr. April Anson)

A working list of scholarly resources at the intersection of race and environment, focusing primarily on North America and the history of racial formation, and containing dedicated sections for settler colonial studies as well as the far-right, eugenics, and ecofascism.

[Ten Books to Contextualize Environmental Racism - NiCHE](#)

(Niche)

A list of ten books intended to be starting points for those interested in learning more about environmental racism and environmental justice throughout North American history.

For Teachers

[Analyzing Environmental Justice](#)

(Tolerance)

A teaching tolerance lesson plan centered around environmental justice. The objectives of the lesson include defining environmental justice, and seeing the disproportionate effects of pollution on low income communities.

[Editorial Cartoons: Poverty/Environmental Justice](#)

(Tolerance)



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Another lesson plan from teaching tolerance, this one focusing on editorial cartoons regarding environmental racism. The objectives of this lesson include analyzing the visual composition of an editorial cartoon, understanding how a cartoon uses satire to make a political statement, and interpreting images and text in an editorial cartoon.

[August 2020 Equity Discussion - Breakout Groups](#)

(Unknown)

A google presentation for a digital zoom equity discussion using breakout groups.

[Enviro Mysteries](#)

(MPT)

Inside Stories is a collection of interactive stories that focus on the intersection of human health and the environment. Throughout the story, students will encounter information that explores the science behind the key health questions in the story. Students must analyze this information and then use it to answer the open-ended question that completes each story.

Student Organizing and Activism Resources

Lobbying

[NY²CL Lobby Training](#)

(NY²CL)

A PDF document of an agenda for a virtual meeting about lobbying. The purpose of the meeting is for participants to leave the webinar empowered and prepared to lobby on their own and train new advocates to lobby for concrete state level climate policies.

[NY²CL Meeting Plan Template](#)

(NY²CL)

Another PDF document guide from NY²CL about how to strategize for a successful lobby meeting.

[Call Relay Toolkit Summer 2020](#)

(New York Renews)

A toolkit made by NY renews about what call relays are, and how to organize one. This is useful for not only climate change activism, but any form of activism.



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Campaign Building

Climate Action Plan - Youth Climate Summit

(NYC DOE Office of Sustainability)

A climate action plan made for the NYC DOE Youth Climate Summit. This resource can be used to design a project, and outline the goals and ways in which the project will be put into action.

Green Team Guide

(NYC DOE Office of Sustainability)

This resource outlines how to assemble a core group of students dedicated to recycling and sustainability and promote a culture of sustainability at school. This guide also helps organize students to become leaders in the school's efforts to recycle more, waste less, and become environmental stewards in their community. Included in the guide are a series of additional resources, such as worksheets and guides, to use and copy as needed.

StoryTelling Toolkit.pdf

(Our Climate)

A toolkit made by Our Climate, explaining the importance of storytelling, and how to tell life stories that have specifically been impacted by climate change.

VOTE Resource Library

(Our Climate)

A resource library made by Our Climate related to voting and the election. This guide can be used to build a campaign centered around youth voting. Includes text banking how-tos and presentations.

Youth Activist Toolkit

(Advocates for Youth)

Made by Advocates for Youth, this in depth toolkit explains how to organize and start a movement step by step. The toolkit answers questions such as what organizing is, how to determine a movement's demands.

Sustainability Pledge

(NYC DOE Office of Sustainability)

A printable pledge for teachers to use as a guide to introduce sustainable practices in the classroom.

Theater in the Age of Climate Change



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(Howlround theater commons)

A resource that can provide students with resources on how to incorporate climate action with theater and can also be used as an outlet to get inspiration for personal projects.

Presentations

[Lobbying and Storytelling Presentation](#)

A slideshow presentation on how to lobby and tell climate stories. The 15 slides include speaker notes, images, videos, and links to further resources.

[Youth Climate Summits Go Virtual!](#)

(The Wild Center)

This resource instructs on how to hold a virtual climate summit . This includes activities and more resources that are ideal for virtual events.

[Story of Self Workshop](#)

(Our Climate)

A slideshow presentation made by Our Climate to be used in a storytelling workshop. Participants in the workshop would come out of the presentation with a better understanding of the power of personal narrative, and knowledge of storytelling that has been impactful in media.

[Voter Registration Master Training General Election 2020](#)

(Nebraska Civic Engagement Table)

This presentation trains people to train others on how to register to vote, and is ideal for virtual events.

[Building Your Action Kit with Our Climate- Earth Hackers](#)

(Our Climate)

A step by step guide on how to go about creating your own climate action toolkit.

Writing and Media

[How to Write an Op Ed or Letter to the Editor](#)

(New York Renews)

This PDF document made by NY Renews explains what op-eds and letters to the editor are, and then a guide on how exactly to write them, as well as a few samples.



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Rallies and Walkout

School Rep Climate Strike Organizing Toolkit

(Strike With Us)

A guide detailing how to organize a climate strike at your school, as well as tips and unique ideas.

Rally Toolkit Summer 2020

(New York Renews)

An in depth guide explaining how to put together a rally. The guide explains why rallies are effective, how to organize roles, and what to do afterwards.

Climate Youth Engagement Case Studies

(climate.gov)

- A page with links to many climate change advocacy and environmental opportunities for students to get involved with or be inspired by.

Miscellaneous

Skeptical Science

This website explains climate science, and more uniquely, explains how to refute climate change misinformation.

NAACP | ECJ Youth and College Toolkit

(NAACP)

The NAACP Environmental and Climate Justice (ECJ) Program's Youth and College Leadership created a toolkit designed for youth to get involved with environmental justice. The toolkit includes many ideas outlining projects such as starting a community garden or hosting a Twitter Town Hall.

Student Organizations

Our Climate

@ourclimateny

Our Climate mobilizes and empowers young people to educate the public and elected officials about science-based, equitable climate policy solutions that build a livable world.



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[NY²CL](#)

[@ny2cl](#)

A policy-driven coalition of youth organizations from across New York State, coordinating and empowering youth to advocate for comprehensive, equitable, and effective climate solutions. They strive to improve New Yorkers' quality of life, protect frontline communities, and ensure environmental and economic justice for generations to come.

[NY Renews](#)

[@nyrenews](#)

NY Renews is a coalition of over 200 environmental, justice, faith, labor, and community groups, fighting for good jobs and climate justice.

[XR America: HOME](#)

[@extinctionrebellion](#)

Extinction Rebellion America is part of a global Extinction Rebellion movement. They use mass mobilization and disruptive civil disobedience to force governments to act *now* to prevent the complete breakdown of earth's natural life-support systems.

[Youth Climate Action Coalition: Youth Environmental Organization](#)

[@ycacyouth](#)

Established in California by a group of high school students, YCAC, works to implement sustainable practices in schools and communities across the country.

[Join TREEage](#)

[@treeage_team](#)

TREEage is a New York based organization advocating for the implementation of environmentally just legislation on a state and local level.

[Zero Hour](#)

[@thisiszerohour](#)

Zero Hour is a youth-led movement creating entry points, training, and resources for new young activists and organizers wanting to take concrete action around climate change.

[Sunrise Movement](#)

[@sunrisemvmt](#)

Sunrise is a national organization building a movement of young people to stop climate change and create millions of good jobs in the process



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[CRETF - Youth Steering Committee](#)

[@cre_taskforce](#)

The Climate and Resilience Education Task Force Youth Steering Committee's mission is to establish a strong, cohesive and accurate understanding of the climate crisis amongst NYC public school students so they can be effective advocates, empowered with the skills to implement policy, engage with local communities, and improve access to curricular resources.

[Future Coalition | The Youth Vote and Youth Climate Movement](#)

[@futurecoalition](#)

Built by youth activists, for youth activists, Future Coalition is a national network that fosters community and collaboration among youth leaders and youth-led organizations. The Future Coalition provides young people with the tools, resources, and support to power their ideas and amplify their impact. The programming is split into three pillars all which work together to build up the capacity in the youth space and grow the impact of youth organizers across the country

[yvote](#)

[@yvoteny](#)

YVote is sparking a cross-partisan youth voting movement through which young people connect their passions and beliefs with how they can make a difference, at and beyond the ballot box.

[Fridays For Future](#)

[@fridaysforfuture](#)

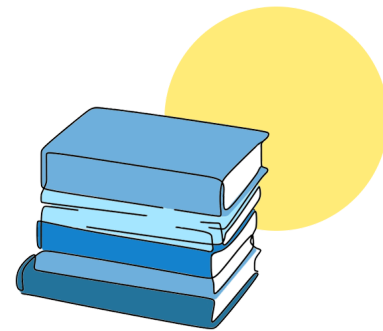
Fridays For Future is fighting for our future and our lives because they are directly threatened by the climate crisis and the ecological breakdown. FFF is taking action against it because they want to protect the beauty of the earth, the diversity of species and the lives of all beings. Their goal is to overcome the climate crisis and to create a society that lives in harmony with its fellow beings and its environment.

ABOUT US



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In 2020, the Climate and Resilience Task force started a youth steering committee, which now comprises a group of seven NYC high school students. The YSC is dedicated to establishing a strong, cohesive and accurate understanding of the climate crisis amongst NYC public school students so they can be effective advocates, empowered with the skills to implement policy, engage with local communities, and improve access to curricular resources.



**Climate and Resilience
Education Task Force**

This toolkit was created and designed by Sara Poon, Elena Rubenstein, and Gabriela Mendoza.

To learn more about CRETF and the YSC, check out our [website](#).

You can also check us out on social media [@cre taskforce!](#)

HAVE SOMETHING TO SAY?

We want to hear from YOU! Whether you are a student or an educator, we know that you might have a valuable resource for others, so we wanted to have a way for you to share this with us, or any other comments you might have!

Use this quick [Feedback Form](#) to do so. It is anonymous if you are not interested in sharing your information.

Thank you!

ACKNOWLEDGEMENTS

We'd like to thank the following people for advising us throughout the process of creating this toolkit:



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