



# EMPOWERING LEARNERS & LEADERS:



A Guide to Using  
Student-Centered  
Projects to Teach  
Climate Education





# TABLE OF CONTENTS

Introduction	3
A Closer Look at Climate Anxiety	4
Schools As Climate Change Central	5
Laying a Foundation for Student-Led Initiatives	6
Help Students See That They Can Make a Difference	7
Creating Opportunities for Students to Take the Lead	8
Start a Green Club Checklist	9–10
Student-Powered Projects for a Greener Tomorrow	11
Litterless Lunch	12
Upcycled Elegance: Hosting an Eco-Fashion Show	13–14
Sparkling Streets: Student-Powered Clean-up Crew	15–16
Stepping Up to Save Water	17–19
Race to Recycle: Hosting a Recycling Contest	20–21
One Step Curriculum	22
Conclusion	23
References & Resource	24





# INTRODUCTION

The need for climate action has never been more urgent. A new government report finds that the impact of climate change in the U.S. is increasing and present in every region of the country. In 2023 alone, Maui suffered devastating wildfires, Vermont experienced terrible flooding, Phoenix had extreme heat, and East Coast cities experienced intense smoke from out-of-control wildfires in Canada. Weather-driven disasters like these are occurring more frequently and cost about \$150 billion each year.<sup>1</sup>

Today's students care deeply about climate change. They see how weather-related disasters impact their communities and communities around the globe. A recent survey found that 37% of teenagers feel anxious when they think about the consequences of climate change, and more than one-third are afraid. Many also feel overwhelmed and helpless. And in turn, this can leave educators and school counselors who are not trained to address students' climate anxiety feeling helpless.<sup>2</sup>

## But there is a solution...

This guide provides educators with strategies, resources, and project ideas that will empower students, amplify their voices, and offer them opportunities to exercise agency — and in the process reduce their climate anxiety. We're excited to support you and your students in leading positive change right in your own neighborhood. Every action matters and just one step makes a difference.

**Let's get started!**



# A CLOSER LOOK AT CLIMATE ANXIETY

Researchers at Yale University have been tracking Americans' beliefs about climate change for more than 20 years, and many people are worried. 64% of Americans are at least somewhat worried about global warming. The largest group concerned about climate change is teenagers — and that group continues to grow as the effects of climate change become harder to ignore.

A nationally representative *Education Week* survey conducted in October 2022 revealed that 37% of teenagers feel anxious about climate change and 34% are afraid. More than 20% responded that the threat of climate change has impacted where they want to attend college and 37% said that it impacts where they want to live as an adult.<sup>3</sup>

## Tapping into Social-Emotional Learning

Experts say that students who are feeling anxious about the climate need to be heard. Their anxiety is not misplaced and experts agree that climate anxiety is not a mental disorder, but rather a natural response to real threats. The good news is that many schools today are already teaching social-emotional skills. While educators may not have been specifically trained in the intersectionality of climate anxiety and social-emotional learning, the skills students are building — including stress management, goal setting, relationship building, and teamwork — will help them navigate their fear and uncertainty about climate change.



**37%**  
**OF TEENAGERS FEEL**  
**ANXIOUS ABOUT**  
**CLIMATE CHANGE**



# SCHOOLS AS CLIMATE CHANGE CENTRAL

Schools alone can't combat climate change, but they can be leaders in their communities in three powerful ways that can have far-reaching and long-lasting impacts.



**1. Implement district- and school-wide sustainability initiatives** to mitigate schools' ecological footprint.



**2. Incorporate climate education across curricula** so that students become empowered global citizens who possess the knowledge and skills — both academic and social-emotional — to address climate challenges.



**3. Encourage and support student-led initiatives** through involvement in environmental clubs, local environmental initiatives and events, field trips, and other learning activities and projects so that students develop agency and can see firsthand the difference they can make in their community.

## A Step-by-Step Blueprint to Implement Greener Policies and Practices

Whether you're just launching a green initiative or looking for ways to expand your school or district sustainability initiative, Growing Green Schools is an indispensable how-to guide. Inside, you'll find:

- Action plans
- Step-by-step guidance to conduct an environmental impact audit
- Sample surveys, vision statements, and family letters
- And more!

[Download Now](#)



# LAYING A FOUNDATION FOR STUDENT-LED INITIATIVES

Educators know that students learn best when the curriculum is inquiry-based, experiential, and placed in a local context. This model is especially true when it comes to teaching about the climate. These strategies not only engage students in learning but also build agency and empower them to take action — a powerful antidote to climate fear and anxiety.

Teachers can build a foundation for student-led school and community projects by connecting classroom instruction to local and global issues that students care about.

## Examples of Real-World Environmental Learning Across Curricula



### Social Studies:

- Put students' collaboration and problem-solving skills to work by having them research, discuss, debate, and propose solutions for local environmental issues such as reducing the use of single-use plastics like shopping bags, water bottles, and balloons.
- Teach about local, state, and federal legislative processes through the exploration of landmark environmental laws.



### Mathematics:

- Incorporate environmental issues into math lessons by having students calculate things like how many trees are needed to offset the carbon dioxide generated by your district's bus fleet each year or how much water is saved by using a low-flow showerhead.
- Help students build their data analysis skills by having them collect, analyze, and present data related to a local environmental topic. For example, students could conduct a waste audit of their homes by measuring the amount and types of waste they generate and then making recommendations for how they can reduce, reuse, or recycle it.



### English Language Arts:

- Practice creative writing by having students create poems, stories, plays, or other written works to express their feelings about climate change and what they've learned about its impact on their community.
- Explore persuasive writing by having students write letters to support, propose, or encourage policy changes in their local community.

## On-Demand Webinar

Looking for More Ways to Integrate Climate Education into Existing Curricula?

Watch *Let's Talk About Climate: Using Climate Education to Support Student-Centered Learning Across Curricula*



Watch Now



# HELP STUDENTS SEE THAT THEY CAN MAKE A DIFFERENCE

Environmental problems can seem overwhelming and too big for any one person to make a difference. Yet young people all over the world are coming together to lead change. Introducing students to climate leaders from diverse backgrounds helps students see themselves as leaders and inspires them to take action in their communities.

Here are just a few youth climate activists you can encourage your students to learn more about.

## INTRODUCING...



**Vic Barrett**

Vic is one of 21 young Americans who filed a lawsuit in 2015 against the U.S. government. *Juliana v. United States* asserts that through its actions the government has caused climate change, thus violating the youngest generation's constitutional rights to life, liberty, and property. Along with work on the case, Vic has spoken and protested at several international climate conferences and organized local climate campaigns. Learn more about the other plaintiffs in the case in the film [Youth v. Gov.](#)



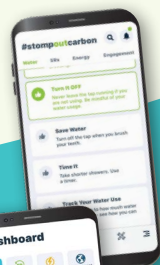
**Xiye Bastida**

Xiye is a 21-year-old climate justice activist based in New York City. She is an organizer with Fridays For Future and the co-founder of Re-Earth Initiative, an international youth-led organization that focuses on highlighting the intersectionality of the climate crisis.



**Wanjiku "Wawa"  
Gatheru**

Wawa is a climate storyteller passionate about making the climate movement relevant and accessible to everyone. Wawa is the founder of Black Girl Environmentalist, a national nonprofit dedicated to empowering Black girls, women, and non-binary people in the climate movement.



## Help Students See How Their Everyday Actions Can #StompOutCarbon

The One Step Sustainable Action Tracker offers students simple suggestions to shrink their carbon footprints, from shorter showers to composting.

Students log their eco-actions in the tracker and can monitor personal and collective progress toward sustainability goals.



[Learn More](#)



# CREATING OPPORTUNITIES FOR STUDENTS TO TAKE THE LEAD

By integrating climate education into classroom lessons and activities and modeling sustainability through district-wide initiatives, schools create an environment in which students feel safe, empowered, and inspired to address climate issues. Educators can provide structure and support for students to take action by encouraging them to start a Green Club.

Green Clubs can focus on school-specific actions like reducing food waste and becoming more energy efficient but can also involve the whole community.

Students can share what they're learning and their recommendations to improve sustainability with families, school board members, civic leaders, and other community members through presentations, podcasts, and workshops. For example:



A workshop on the benefits of composting and how to get started.




A Green Club-sponsored bicycle event to raise awareness of alternatives to driving.



A student-hosted podcast that shares how several students are making changes in their daily lives to reduce their carbon footprint.

## STUDENT-LED CLIMATE ACTION IN ACTION



In Salt Lake City, a group of environmental clubs researched and made a presentation to the school board. Their goal was to get the district to commit to transitioning its 40 buildings to 100% clean energy by 2030 and to stop using fossil fuels for heating and transportation by 2040.

Two months after the presentation, the school board voted "yes" to the students' proposal. "The entire district will be outfitted with LED lights, six school buildings will get new solar panels, and two elementary school buildings will get new mechanical systems that run on electricity rather than fossil fuels."<sup>7</sup>





# RESOURCE: START A GREEN CLUB

Share this guide with students to help them start a Green Club and select projects they're passionate about.



## START A GREEN CLUB!

Starting a green club starts with you! A green club is a great way to meet people, to spread awareness of environmental issues, and to have fun while doing so.

**STEP ONE** **Get a group of friends together!** Spread the idea of a green club among your friends. Then ask your friends to tell their friends until you have a group of people interested in helping the environment.

**STEP TWO** **Pick your focus!** A green club can focus on many different things in the environment so it's important to brainstorm about the areas you want to focus on. What do you want your club to accomplish? What are your goals? What kinds of activities does your club want to do? Think of a mission statement for your club. This will help keep your club focused on its goals.

### MISSION STATEMENT

For example, your mission may be to promote environmental awareness and to provide students with the opportunity to participate in service projects at school and in the community.

Here are some examples of areas your green club can focus on:

- ♻️ Recycling
- ♻️ Conservation
- ♻️ Educating your peers on environmental issues
- ♻️ Preservation
- ♻️ Restoration

Think about having one year-long goal for your club in addition to doing several activities. Here are some activities your green club could do:

- ♻️ Clean up the beach, river, or lake near you
- ♻️ Adopt an endangered animal and raise money to help their conservation
- ♻️ Recycle bottles and cans
- ♻️ Plant trees at your school or a nearby park
- ♻️ Recycle newspapers and magazines





## START A GREEN CLUB!

- 🌱 Plant a garden
- 🌱 Create art projects out of recycled materials
- 🌱 Take a field trip to an environmental-friendly place, such as a community garden, landfill, or a recycling center



**STEP THREE** **Every great club needs an advisor!** Ask a teacher who you think would be excited about a green club if he or she will be the advisor for your club. This person doesn't need to be a science teacher—they just need to have a passion for going green!

**STEP FOUR** **Get your school's permission.** Different schools have different rules about clubs so make sure you find out what the rules are at your school. Your advisor is likely to be able to help you with this.

**STEP FIVE** **Promote your club!** Make signs advertising your club and put them around campus. Ask permission from your principal or advisor and host a "wear green" day. Create T-shirts that are only worn by members on meeting days or at club events.

**STEP SIX** **Fundraise!** In order for your club to make money for the activities you want to do or the causes you want to raise money for, you will need to fundraise. There are lots of ways to fundraise. Here are some ideas:

- 🌱 Host a bake sale.
- 🌱 Host a garage or rummage sale.
- 🌱 Have a seed fundraiser! Companies like [High Mowing Organic Seeds](#) offer fundraising opportunities by selling seeds.
- 🌱 Have an electronics recycling fundraiser. Many small electronics are recyclable for cash including old cell phones, laptops, printer cartridges, and MP3 players. Companies like [FundingFactory](#) work with schools interested in raising funds by gathering and recycling used toner and printer cartridges.

A green club is an exciting and fun way to empower other students to participate in activities that help the environment. Be sure to check out resources in your area to give you ideas on how you can **GO GREEN ONE STEP AT A TIME!**

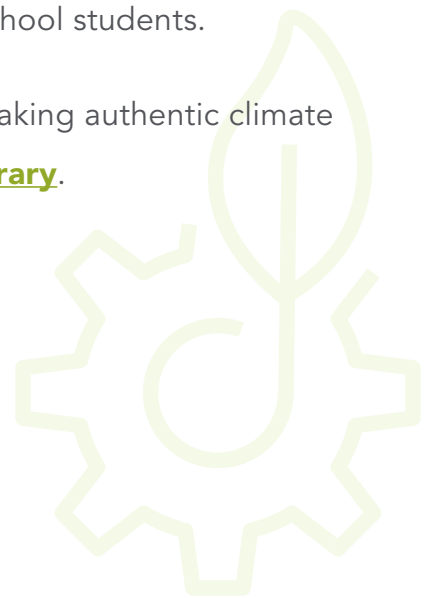


# STUDENT-POWERED PROJECTS FOR A GREENER TOMORROW



Whether you're planning a project for a single classroom, a Green Club, or the whole school, on the following pages you'll find five student-led, solution-focused projects that will inspire and engage your middle and high school students.

These projects will help students learn and build skills while taking authentic climate action. For more ideas, [check out the PBLWorks project library](#).



# PROJECT #1

## LITTERLESS LUNCH

Wasted food and single-use containers are a large contributor of waste at school. Reduce your carbon footprint with reusable containers and bottles.

### Make this a schoolwide effort!

1. Think of ways you can reduce food waste and other types of waste.
2. Talk to your parents/guardians about how they can help.
3. Start a **LITTERLESS LUNCH** campaign. Talk to a teacher or administrator at your school about it.
4. Create posters about how to go litterless and put it around school. Be sure you get permission first!
5. Encourage your classmates and family members to participate in this campaign.

### DON'T FORGET THE 5Rs

🚫 REFUSE

↓ REDUCE

↻ REUSE

♻️ RECYLCE

🌱 ROT



# PROJECT #2

## UPCYCLED ELEGANCE: HOSTING AN ECO-FASHION SHOW



Hosting an eco-fashion show is a great way to bring attention to fashion waste and creatively promote waste reduction while showcasing students' creativity and innovation.

### Part 1: Planning the Fashion Show

**1. Consider your theme, message, and goals:** Why do you want to host this fashion show?

Consider the importance of educating people about responsible waste management, waste in the fashion industry, the importance of reusing materials, etc.

Once you've answered this question, consider a fun theme for participants, like "Trash to Trendy," "Ocean Guardians" (addressing marine waste), or "Upcycled Glam."

Finally, consider what your goal is at the end of the fashion show. Deciding what you want to achieve will inform all of your planning!

**2. Assemble a team:** Recruit like-minded students to help plan and organize the fashion show.

Assign responsibilities like judging coordinator, event coordinator, participants coordinator, etc. You may also consider asking your art teacher for support.

**3. Determine the date and location:** Work with your team to find a date and location for the fashion show. Consider large spaces in your school or neighborhood.

**4. Decide on guidelines and judging:** Create clear rules for participants, including guidelines about the materials that can be used, size restrictions, what types of art techniques can be used, etc. (Example questions: Can participants only use recycled materials, or can they use certain new materials like paint to decorate? Are you focusing on plastic waste only, or all waste?)

Judging criteria must also be selected. Consider criteria like originality, creativity, effective use of recycled/reused materials, etc.

Finally, consider if you want to find outside judges like teachers or local artists, or if you would like for students to serve as judges and vote for their favorite piece at the event.

**5. Determine prizes:** Prizes can be awarded to one piece, or multiple prizes for winners in different categories. Consider creating certificates as prizes, and/or asking local businesses to donate prizes.

Continued



## UPCYCLED ELEGANCE: HOSTING AN ECO-FASHION SHOW

**6. Set up registration and promote the competition:** Create a simple registration form (paper or online) for interested designers. Information should include name, grade, title, and description of the art piece (including concept and materials used).

Promote the competition (with a link to registration) on social media, school websites, popular neighborhood areas, etc. Remember to clearly state the deadline for registration!

**7. Consider support for participants:** If this is your community's first eco-fashion show, participants might need help with imagining and creating their design. Consider what kind of support you might give participants, including materials idea lists, general ideas for the theme, or hosting workshops to guide participants through the process and/or answer questions.

### Part 2: Putting on the Ritz

**1. Set up the runway:** Arrange a runway area with eco-friendly decorations and lighting to create a stylish ambiance.

**2. Welcome and introduce:** Welcome participants and the audience, explain the purpose of the fashion show and the flow of the evening, and introduce the judges.

**3. Emcee the show:** Allow participants to showcase their eco-friendly creations on the runway, modeling their unique designs. During the actual runway show, consider appointing an emcee to introduce each designer and provide information about their garment's design concept and materials.

**4. Host award ceremony:** After judging is complete, consider hosting an award ceremony. Celebrate everyone's creativity and efforts.

**5. Raise awareness:** Reiterate the purpose of the fashion show to participants and audience members. Consider sharing a graph or chart illustrating the waste problem, such as the [EPA's](#) data on clothing waste.

**6. Thank participants:** Express gratitude to all participants for their creative contributions and dedication to raising awareness. If you'd like to keep the momentum going, gather feedback from all participants to improve future fashion shows.

Keep in mind that these tips are suggestions. You can do all of the components listed or choose to skip some. Let your creativity and the needs of your community lead the way!

Remember, throughout the process, maintain open communication, collaboration, and respect for sustainable fashion principles. Your sustainable fashion show can educate, inspire, and raise awareness about the importance of responsible fashion choices while showcasing creativity and style.



# PROJECT #3

## SPARKLING STREETS: STUDENT-POWERED CLEAN-UP CREW



A community clean up is a wonderful way to make an immediate positive impact in your neighborhood, as well as a great way to support and engage your community in protecting the environment. During a community clean up, people gather to remove litter, debris, and other forms of waste from specific public spaces like parks, streets, and waterways. Read on for tips before, during, and after a cleanup event.

### Part 1: Organizing the Cleanup

- 1. Consider your goals:** Is your goal to clean a specific public space, teach people about the negative effects of littering, or something else? Deciding what you want to achieve will inform all of your planning!
- 2. Assemble a team:** Recruit fellow students and community members to join the cleanup effort. Consider reaching out to local environmental groups or local government. People who have hosted community cleanups before have expertise and infrastructure that might be helpful for you (ex: cleaning supplies like trash bags, help navigating getting permission from local authorities, access to additional volunteers, etc.). If your goal is to teach people about environmental stewardship or the negative effects of littering, decide who on your team could create a flyer to give to cleanup volunteers or host an information session before the cleanup.
- 3. Pick a site, date, and plan for trash disposal:** Use the size of your group to determine the size of your cleanup site. Popular cleanup dates include Earth Day, Martin Luther King, Jr. Day, and weekends. Remember to get permission from the relevant government department to clean the area you've chosen! Finally, consider where you will dispose of all gathered waste. Some places, like parks, have public trash and recycling bins, but some places don't. Contact the site to discuss disposal options as well as your local disposal company to find the closest drop-off site.
- 4. Gather supplies and promote the event:** Consider asking businesses to donate important supplies for the events, including:
  - a. Heavy-duty garbage bags (landfill and recycling bags)
  - b. Heavy-duty gloves
  - c. Trash pickers and grabbers
  - d. First aid kits
  - e. Water
  - f. Trash/recycling cans (if there are no public cans at the site)
  - g. Old clothing you don't mind getting dirty
  - h. High-visibility reflective vests

Promote the event by creating flyers, posters, and social media posts to spread the word. Highlight the goal, date, time, location, and how interested individuals can participate.

Continued



# SPARKLING STREETS: STUDENT-POWERED CLEAN-UP CREW

## Part 2: Hosting the Cleanup

- 1. Get the team ready for the event:** Assign responsibilities to your team during the cleanup event. Responsibilities might include registration, passing out supplies, sorting waste types, and assigning tasks to volunteers. You may also want to create a station for each of these responsibilities.
- 2. Let the cleanup begin!:** Welcome volunteers, pass out supplies, and assign areas to volunteers if needed.
- 3. Run workshops:** If you chose to include workshops during your event, decide if you want to offer them before or after the cleanup. Remember to promote the workshops.

## Part 3: After the Cleanup

- 1. Dispose of waste:** Make sure to get all waste to proper disposal areas.
- 2. Thank participants:** You can email them if you gathered that information, or thank them through social media posts.
- 3. Share results with others:** Share the impact of the cleanup, including the amount of trash collected, number of volunteers for the event, and any positive changes observed in the community.
- 4. Plan for the future:** Do you want to keep the momentum going? Keep in touch with volunteers by emailing information about local environmental clubs, and keep them posted about any future cleanups you might host!







## PROJECT #4

### STEPPING UP TO SAVE WATER

#### Part 1: Get Water Wise

**1. Gather the facts:** Research water facts. Where does your local water supply come from? Is your community facing any water challenges? How many gallons of water does the average family use each day? How much water does the average family waste each year due to leaks? You may also want to think globally and research which countries use the most water, which countries are experiencing drought, etc.

Here are a few websites to jumpstart your research:

- a. [United States Environmental Protection Agency](#)
- b. [United States Geological Survey](#)
- c. [Worldometer](#)
- d. [Save the Water](#)

**2. Make it personal — conduct a water audit:** How do you and your family compare to the general water facts and statistics that you learned? Find out by conducting a daily water use audit at home. You can use the worksheet on the following page.

Continued



# Daily Water Use Audit

## How Much Do You Use and How Much Do You Lose?

**Average Use =** The number of times you and your family members do each activity in one day. Multiply the number of Water Used by the Number of Times the activity is done. This will give you the number for the Gallons Used column.

**Calculated Use =** The number of total minutes used for each activity. Multiply the number of Water Used by the number of Total Minutes to find the number for the Gallons Used column.

For any activity you didn't do, put a 0 under Gallons Used. Add all the numbers under Gallons Used to find the Total Gallons Used.

AVERAGE USE			
Activity	Water Used	Number of Times	Gallons Used
Dishwasher	5 gallons per load		
Toilet Flushing	2 gallons per flush		
Bath	20 gallons (full tub)		
Laundry			
CALCULATED USE			
Activity	Water Used	Number of Times	Gallons Used
Garbage Disposal	2 gallons per minute		
Brushing Teeth	2 gallons per minute		
Washing Hands	2 gallons per minute		
Washing Dishes by Hand	2 gallons per minute		
Shower	2 gallons per minute		
Yard Watering with Hose	7 gallons per minute		
		<b>Total Gallons Used</b>	



## STEPPING UP TO SAVE WATER

**3. Discover ways to save:** Now that you better understand water use in your community and in your own home, research ways you can reduce your use. Here are a few tips to get you started.

- ✓ Run the dishwasher only when it is full.
- ✓ When taking a bath, close the drain before turning on the water and fill the tub only halfway.
- ✓ Throw tissues, bugs, and other trash in the wastebasket rather than flushing them down the toilet.
- ✓ Turn off the faucet while washing your hands or face.
- ✓ Turn off the faucet while brushing teeth.
- ✓ Wait until there is a full basket of laundry before running the washing machine.

### Part 2: Take Action

**1. Take a water pledge:** Write a pledge and encourage classmates, teachers, school staff, and your family to take it. Here is a sample pledge:

*I pledge to conserve water every day, use it wisely, not waste it away. I will save every drop I can, every day of the week. Here is my plan:*

**2. Share what you've learned:** There are lots of ways to spread the word about water use and conservation. Create a poster or infographic that visually shows water usage facts and stats and ways to conserve. Host a podcast where you talk about the water facts and conservation tips you've learned. You could interview your school facility manager about how your school works to prevent leaks and water waste or reach out to your city's water manager for an interview. Include a water-saving tip each day during the morning news broadcast. Write public service announcements about the importance of conservation. Get creative!



# PROJECT #5

## RACE TO RECYCLE: HOSTING A RECYCLING CONTEST



Even if your school already has a recycling program in place, hosting a recycling contest is a good way to renew everyone's commitment to recycling. You can host a contest for your class or the whole school. Encourage families to get in on the fun, too.

### Part 1: Organizing the Contest

- 1. Decide who will participate and how long the contest will run:** Will the contest be just in your classroom? A challenge with another classroom? Or open to the whole school? How long will the contest run? For a day, a week, or a whole month?
- 2. Decide which items to include in the contest:** If your school already recycles you may decide to stick with items you already collect such as paper, aluminum cans, cardboard, and glass. You can talk with your school's maintenance director, principal, and/or recycling facilities in your town about other items you could collect during the contest. e-waste is particularly challenging for many schools and households to recycle and dispose of properly so partnering with an e-waste recycling program is one way to increase the impact of your contest.
- 3. Set the contest rules:** Here are a few things to consider:
  - a. Can students bring recyclable materials from home or local businesses?
  - b. Will individual students, classes, or grades be chosen as winners?
  - c. What is the metric for success? Will each student's recyclable items be weighed? Will the class with the fullest bins be the winner?
- 4. Plan your collection and storage system:** Since the goal of the contest is to collect more recyclable items than your classroom or school typically does, meet with your school's maintenance director and principal to determine how many extra bins you may need, where they'll be located, and how the materials will be moved from collection sites to the location where they will be picked up for recycling.

**Host a contest within a contest!**  
**Challenge students or classes to a recycling bin decorating contest.**  
**Encourage creativity and the use of recycled materials for the decorations.**

- 5. Select prizes:** Decide what winners will be awarded. You could partner with local businesses or your local recycling facility to donate prizes or you could give certificates to the winners.
- 6. Promote the event:** Spread the word about the contest with posters in school hallways, on your school website, on social media, and by sending flyers home. Be sure to use recycled paper for any posters or flyers!

Continued



# RACE TO RECYCLE: HOSTING A RECYCLING CONTEST

## Part 2: Running the Contest

- 1. Build excitement:** Throughout the contest, whether it's a day or a week, share updates on how many items have been collected and who is leading the race to recycle the most. You can give updates during morning announcements, on social media, and on a tally board posted in a hallway. Giving updates will motivate students throughout the contest.
- 2. Tally the results and announce the winners:** Once the contest has ended, weigh or count what's been collected to determine your winners. You could host an award ceremony where the winners are recognized or post the winners to social media, on a school bulletin board, and on the school website. Be sure to take lots of pictures!
- 3. Keep the momentum going:** Continue to encourage students, teachers, and staff to recycle by decorating the recycle bins throughout the school, sharing recycling tips and reminders on social media, or giving a weekly recycling update during morning announcements.






# INSPIRE REAL-WORLD SCIENCE & STUDENT-LED ACTION!

More than 80% of parents and 86% of teachers in the U.S. support climate education in schools. Yet, educators don't always feel they have the appropriate resources to teach about it.<sup>4</sup> One Step is the solution.

This video-based supplementary curriculum for grades 4–12 fills gaps in existing science curriculum. One Step takes students on a journey around the globe to explore green solutions and technologies while learning important standards-aligned concepts.

## One Step's Solution-Focused Curriculum Includes:

-  **High-Quality Videos:** Age-appropriate videos make the science understandable and compelling for students.
-  **5E Lesson Plans:** NGSS-aligned lesson plans provide teaching support, including prompts to facilitate in-depth academic discussions.
-  **Student Projects & Pledges:** Materials include ideas for student projects designed to reduce waste, along with commitment pledges.
-  **#StompOutCarbon Tracker:** Help students track their actions to reduce their carbon footprint.



**TRY ONE STEP  
FREE FOR 30 DAYS!**

**Sign Up Now**

Learn more, preview videos, and download sample lesson plans at [OneStep-connect.com](https://onestep-connect.com).





# CONCLUSION

## LEARNERS & LEADERS



*Young people are not the only victims of climate change. They are also valuable contributors to climate action. They are agents of change, entrepreneurs, and innovators. Whether through education, science or technology, young people are scaling up their efforts and using their skills to accelerate climate action.”*

~United Nations, Youth in Action

Today’s students are experiencing the impacts of climate change and are facing a future in which they will need to take action to address them. Educators can prepare students by implementing problem-based and inquiry-based learning that is centered in real-world climate challenges. But don’t stop with teaching about the climate. Use climate lessons as opportunities for students to develop and implement solutions in their schools and broader communities.

We hope that this guide sparks ideas to craft learning experiences that empower students to take action to be climate problem-solvers and innovators, today and in the future.

**Share the projects  
your students are doing!**

**We’d love to see what  
you’re up to and you’ll  
inspire other educators.  
#Stompoutcarbon**





**Watch Now**

## On-Demand Webinar Climate Education: Ignite Student Learning, Engagement, & Action

Tune in for ideas from Dr. Monica Burns to use locally relevant climate change issues to build core academic skills and empower students to take action with creative projects that capture their learning and elevate their voices.



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