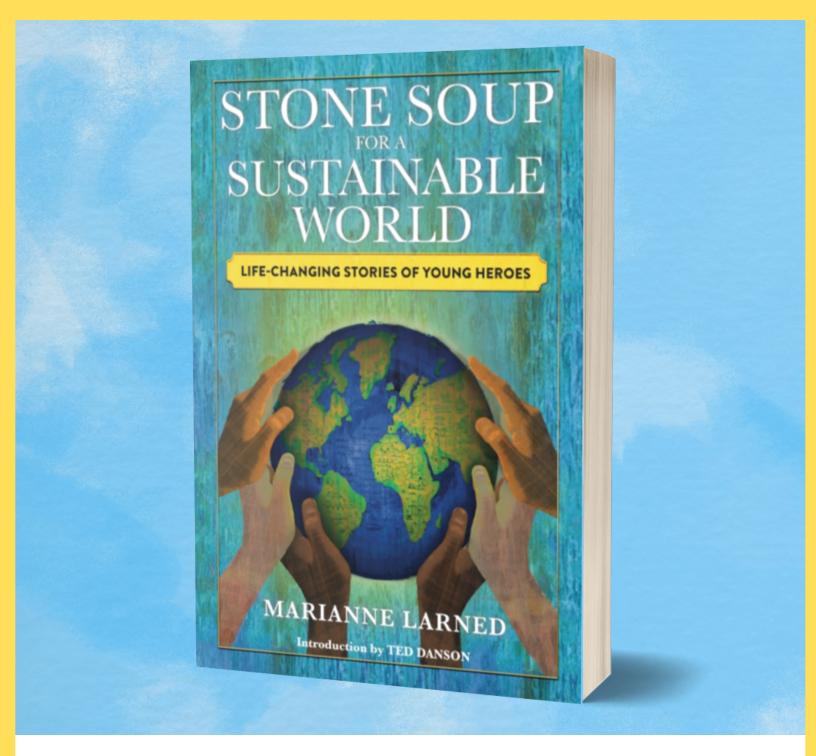
SUSTAINABLE EDUCATION TOOLKIT



The Stone Soup Leadership Institute's
Sustainable Education Toolkit, companion curriculum for the book,
Stone Soup for a Sustainable World:
Life-Changing Stories of Young Heroes

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The Stone Soup Leadership Institute's Sustainable Education Toolkit for the companion curriculum for the book, Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes

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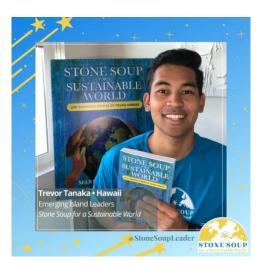
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Welcome Message from Trevor Tanaka Sustainability Coordinator

The Stone Soup Leadership Institute has given me the unique opportunity to grow as a high school student into a young adult while supporting students who aspire to become leaders in their lives, their communities and our world. The Sustainable Education Toolkit is a gift to students everywhere. As students we are often told what should be done, but this Toolkit gives them insight into those who have turned those words into action. We hope it serves as a tool for knowledge and excites passion in students to create a more sustainable future.

As a 16-year old student at Konawaena High School on the Big Island of Hawaii, I was confused about my future, and the goals I wanted to accomplish. I had a passion for the beauty of the natural world, and was dedicated to protecting it, but I wasn't about it learning in school. Working with the Institute helped me direct my interest in sustainability, and fuel my drive to find a way to overcome these challenges and bring sustainable education to all students. In just six months, we were able to get a Resolution passed by the State of Hawaii (House & Senate) that required every student in public schools to learn about sustainability so we could protect and preserve the 'Aina, the environment that sustains and nurtures human life.

For the last ten years, I've worked with the Institute to develop the leadership skills, training and tools to harness my passion for helping other students to take action, and help them discover sustainability solutions to the challenges we face. Out of this experience, along with educators and business leaders, we built this Sustainable Education Toolkit. I'm honored to be one of the 100 young heroes featured in the book Stone Soup for a Sustainable World. Along with the Institute's other youth leaders featured in the book like Taynara Goncalves, Chris Aring, Kassandra Castillo, Josue Cruz, we have planted seeds with young people in diverse communities to create a more sustainable future for our planet. It has been an honor to work alongside the other young heroes in the book to shine the light on sustainability solutions in 38 countries around the world.

We believe it is important for students to be able to understand both the problems we are facing today, and how they can serve an integral role in solving them. This Sustainable Education Toolkit provides educators, and others who work with young people, a set of resources and activities that bring sustainability issues to life. It is designed to help bridge the gap between traditional classroom materials and the global environmental issues we are facing today. The 100 lesson plans - one for each story in the book - serve as 100 shining rays of hope for students around the world. Reading the stories in the book, they can see for themselves that anyone, from students to the leaders of large companies, can make a meaningful impact on the world. Through the Language Arts and STEM activities, Sustainability Innovations and Sustainable Career Pathways serve as windows into a whole world of sustainable solutions that students can discover to the challenges we face today and become engaged in hands-on activities with real-world effects. It is our hope that this Sustainable Education Toolkit will help students unlock their potential and pursue their dreams so that they can join us in creating a more just, equitable, and sustainable world.

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The Stone Soup Leadership Institute's Sustainable Education Toolkit, companion curriculum for the book, Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes

What Young Heroes are Saying

Wow! This is amazing! If you made similarly robust curriculum for all 100 entries... I'm wildly impressed!!!!

Anna Lappé, Small Planet Institute, CA

Stories can and do change the world. Youth are the secret ingredient-full of drive and passion. Combining the two was a masterstroke by the Stone Soup Leadership Institute. And now their lesson plans have arrived to raise the next generation of storytellers.

Elliot Connor, Human Nature Projects, Australia

This lesson plan is fantastic and such a great way to get kids involved in storytelling and the youth climate movement.

Slater Jewell-Kemper, Youth Unstoppable, Canada

"It is amazing to see our story as a lesson! We are honored to be part of the Stone Soup Leadership Institute. By learning from others I hope that the youth of today can make a better tomorrow. We must act now to save our world.

Niven & Tiara Ganegama, Youth Force Sri Lanka

I'm honored to participate in the Stone Soup Leadership Institute's great work and am very grateful for everyone who's helped along the way. Really proud to be a part of this project.

Nainoa Thompson, Polynesian Voyaging Society, Hawaii

"It is not only important to learn the reasons why system change is necessary, but the means we have to make it possible. Art is one of the most powerful means for this."

Alejandro Martinez, Juventud Por El Clima, Spain

The lesson plan is wonderful! I am so excited about what my story and the ninety-nine other stories in the book will be able to teach young people.

Salvador Gomez-Colon, Light and Hope for Puerto Rico

For humanity to live sustainably on this planet, we must learn how to create and operate sustainable enterprises. I hope that this curriculum, and the example of my grandfather Ray C. Anderson, can inspire a new generation of future business leaders to reimagine our economic status quo.

John A Lanier, Ray C Anderson Foundation, Atlanta, GA

Thank you so much for sharing this. It has been so amazing to work with the stone soup family. I look forward to joining such interactive classes.

Shreya KC, NYCA, Nepal

We are so honored to be part of this great Stone Soup project and hope to inspire many others who are seeking to be changemakers. We can all help protect the planet and all its inhabitants.

Asha & Jia Kirkpatrick, Petitiongirls.com, London

"I like to think that having an impact on someone's life can make a difference, the course of life changed this way and I do wish that telling my story to youth can have that impact. I might not be the one who leads a revolutionary change but my voice could inspire others to do it"

Azza Faiad, Egypt

We believe in leading by example, to motivate others to take responsibility for the safe and proper handling and disposal of their personal rubbish - "in the bin, and NOT on the ground". No one is too young to learn this, and the younger the better. It is the young who will shape the future, and building a caring generation is so important.

Lilly Platt, Lilly's Plastic Pickup, Netherlands

"It's important for people to understand the lessons of the past and know the elders on whose shoulders we stand today. My story is just one piece of bridging the past and present, and I'm grateful to be included in this project."

Carmen Perez-Jordan, The Gathering for Justice

I've known I wanted to work on climate since a high school teacher convinced me that addressing climate change could make the world more awesome. I hope this curriculum and my story helps kids to imagine themselves as problem solvers working to make a better world for all.

Ana Sophia Mifsud, RMI, New York/Colorado

I'm so excited to see my work as a tool to inspire more youth towards creating a better future. I'm honoured to be a part of the Stone Soup Leadership Institute.

Aadya Joshi, The Right Green, India

It is my pleasure to be a part of this wonderful work, I am proud that my story is part of the education curriculum, I thank all the people behind this project 'and what we see today is really the fruit of a great effort I was absolutely amazed at the way the story was included so that it was ready to be part of an educational course.

Alaa Salah, Sudan

In our world, more than ever before, young people need something to give them a sense of possibility, open up their strengths and gifts, and inspire them to do whatever they can, to be of service to their communities and our shared world. The Stone Soup curriculum is aiming for just that. I hope it will guide us towards new paths of imagination and creativity and show us how to find meaningful ways forward, together.

Shilpa Jain, YES!

We all gathered 'round to read the curriculum last night and everyone was blown away.

Bethany Yarrow

I am very grateful and honored to be a part of the Stone Soup Leadership Institute. I strongly believe that together we can create a wave of change. Let's H.E.L.P (Heal the environment, love the planet)

Sainath Manikandan, UAE

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The Stone Soup Leadership Institute's Sustainable Education Toolkit A Note for Principals

At the Stone Soup Leadership Institute, we know that principals are striving to provide the best education for their students that they can, with limited resources. Imagine what the 10 million new jobs in the blue/green economy could mean for your students. These jobs represent the opportunity for them to have meaningful careers, while helping to rebuild our planet. As a principal you have the extraordinary opportunity to help your students, your community and our world, by taking the first steps toward that world.

At a time when we need more STEM education to help students prepare for the transition to this sustainable economy, schools are struggling to hire and keep STEM teachers. With the COVID pandemic, many students must learn online with even more limited opportunities to develop their critical thinking skills, explore project-based learning, or even get the basic scientific understanding they need to be part of this transition. This is a challenge, but it is also an opportunity to engage in creative, productive "disruptive thinking" that can help us all move toward "building back better." While we all know that STEM education is increasingly important for student success in the emerging green economy, implementing STEM curricula in schools can be a challenge. Schools are facing not only instructional challenges when it comes to implementing successful, multidisciplinary STEM curricula; they are also facing administrative challenges: budgetary constraints and a lack of appropriate teacher training.

At the Institute, we consider our partnership with schools to be crucial to our mission. We are partnering with school administrators across the country to facilitate the implementation of sustainability and STEM curricula in their schools. We are committed to providing dynamic resources for educators to increase their students' appreciation for STEM, with a special focus on climate education and sustainability solutions.

The transition to a sustainable economy is the most challenging issue of the 21st century.

Innovation is the key to building a more sustainable world.

About the Stone Soup Leadership Institute

For over 20 years, the Institute has been a leader in developing dynamic educational tools, trainings, and resources that expand young people's appreciation for STEM, climate education and sustainable solutions. We pride ourselves on creating educational programs that bring sustainability issues to life and STEM activities into the classroom, to help prepare multicultural youth for a wide range of STEM-related career pathways. We have designed an engaging, comprehensive, and solutions-oriented program that prepares students for the environmental, economic, and social issues we face today.

Our team of seasoned educators created this Sustainable Education Toolkit as a Companion Curriculum for the new book, *Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes.* It is ideally suited for high school educators and students to help teachers meet the requirements of state standards. And since we strive for diversity, our curriculum has a multicultural approach to help educators ensure their students' academic success and become leaders of a more just, equitable, and sustainable world. The curriculum adheres to the Next Generation Science Standards, a set of standards focused on helping students develop a coherent and scientifically-based view of the world and convert their ideas into tangible, real-life projects. These standards focus on Physical and Life Sciences, Earth and Space Science, and Engineering; they have been adopted by 20 states in U.S.

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The Stone Soup Leadership Institute's Sustainable Education Toolkit

A Note to Educators

The book *Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes* features the real-life stories of 100 change makers from 38 countries around the world and 32 cities in the U.S. who are building a more just, equitable, and sustainable world. These young global leaders can inspire your students to open their minds, expand their horizons, and increase their understanding and appreciation of both the rich cultural diversity of the global community and the fascinating world of science. It will also make them aware of the urgent challenges we are presented with by climate change, and invite them to become actively involved in a wide variety of practical, real-world sustainability actions taking place around the world, as well as in their own communities.

TODAY! RIGHT NOW!

The **Sustainable Education Toolkit** has 100 lesson plans to help you bring the stories in this book to life for your students. Each of the lesson plans is designed by experts in curriculum development, to help you organize your classes around the stories in the book with concrete suggestions while meeting state standards.

- *Values:* Highlights values shown by the featured person in the story to inspire your students to live a values-based lives.
- Language Arts: Creative ideas for how to incorporate sustainability into your English & Language Arts classes.
- **STEM Activities:** Expand student experience with engaging, hands-on project-based learning projects.
- Sustainability Innovations: Links to rich resources where students can deepen their appreciation for solutions.
- Sustainable Career Pathways: Guide your students toward exciting blue/green jobs as they pursue how they can find their place in the world of work, while helping to rebuild the planet.
- YouTube: Safe for Kids: The Institute's Education Channel features hundreds of videos to supplement your lessons.
- Multifaceted Social Media Campaign. Each week we showcase one of the 100 stories from each book with a week-long series of posts that bring them to life -- drawing on Story-a-Week; a Hero Report video. We feature an Honor Roll and Call to Action to invite people to support their efforts. We feature these posts on Facebook, Instagram, Twitter, and LinkedIn.

Thank you for all your good work as you prepare our youth for the future. We hope you find the Sustainable Education Toolkit helpful. We would love to hear about your experiences as you bring them into your classroom.

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For Guidance Counselors

The transition to a sustainable economy is the most challenging issue facing us.

Imagine what the 10 million new jobs in the sustainable economy could mean for your students, your community and for our country.

It's a whole new world!

Young people are concerned about the planet and want to help. As a guidance counselor, you could be the one to expand your students awareness of how they can navigate this whole new world. Just imagine...your students could be the next engineers who invent new products to clean up the planet. Imagine if your students could be inspired by, learn from and be mentored by those pioneers of the sustainable economy.

Today's companies are increasingly hiring students who are ready for these green careers. These jobs represent the opportunity for them to have meaningful careers, while helping to rebuild our planet. For over 25 years, the Institute has been a leader in developing dynamic educational tools, trainings, and leadership and workforce development initiatives that empower students to help build a more sustainable world.

The Sustainability Education Toolkit features practical information to help guide students toward the green jobs that will help rebuild the planet. We offer students real-world examples of careers in sustainability that they can explore.

The Sustainable Career Pathways Section features over 200 green jobs in ten sectors: water, energy, agriculture, business, and education. From engineers and scientists; to eco-entrepreneurs, green business managers and policy advisors, from marine biologists to wildlife veterinarians, and conservationists.

Professional Development Training Module

- Sustain WDNTM is an digital ecosystem that builds bridges between guidance counselors, students and companies to build a sustainable workforce development pipeline. It offers guidance counselors the tools to guide students toward sustainable career pathways, and an economic planning tool for communities to transition to sustainable economy.
- The SustainWDNTM Facilitators Certificate Program offers guidance counselors the tools they need to prepare and guide their students for this sustainability economy of the 21st century.

We have a great opportunity for schools to work with schools to engage in this educational career and workforce development outreach program. Students have high aspirations - helping them recognize and identify paths knowing what local industry and government incentive programs can offer will ultimately ignite local communities with much needed solutions to local challenges.

Anthony Baro, PowerDocks LLC

The emerging Blue Economy has a place for everyone. We are engaging students early to help them pursue STEM careers. Bringing together the many players in this Blue Economy is very important so that we can work together, as a team, to bring a bright future to our region and the nation as a whole.

Robert Rak, Bristol Community College's Blue Center

The biggest issue facing the blue economy is companies aren't able to hire enough educated students to scale-up their efforts. Companies are interested in what you're doing around workforce development and developing that pipeline of talent. Stone Soup for a Sustainable World is full of inspirational stories about the next generation of leaders who are passionate about our environment and oceans. Protecting our oceans, and in turn our planet, is going to require passionate leaders like these who are willing to take action.

Dr. Tobias Stapleton, Blue Innovation Symposium

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Stone Soup Leadership Institute

Lighting the Wax To a Sustainable World











Story of the Week

Young Heroes Videos

Our Team

Stone Soup Leadership Institute

Sustainable Education Toolkit



The Peace Corps in Malawi Jill Bhowmik



Never Apologize for Dreaming Big Daniela Fernandez



Applied Hope: **Building Resilient Communities** Ana Sophia Mifsud



Changemaking from the Nation's Capital Jerome Foster II



Care for the Circle of Life Lilly Platt



We Are the Leaders of Today Kevin Patel



An Opportunity to Give Back - via Zoom!! Demi Weitz



Acting Locally and In Solidarity with Others Shreya KC



We Will Rock This! Linus Dolder



Sustainable Products with a Conscience François van den Abeele



A Life of Service: Water.org Gary White



Healthier Skin with True Botanicals Hillary Peterson



Climate Action in a Digital World Iris Zhan



What Does Sustainability Mean to You? Salvador Colon



Rise Up for Africa! Vanessa Nakate



The Stone Soup Leadership Institute
is seeking strategic partners and
progressive educators to join the Cohort
to BETA test the Sustainable Education Toolkit,
a Companion Curriculum for the Book,
Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes

At the Stone Soup Leadership Institute, we know that educators are striving to provide the best education for their students that they can, with limited resources. Imagine what the 10 million new jobs in the blue/green economy could mean for your students. These jobs represent the opportunity for them to have meaningful careers, while helping to rebuild our planet. As an educator you have the extraordinary opportunity to help your students, your community and our world, by taking the first steps toward that world.

The transition to a sustainable economy is the most challenging issue of the 21st century. Innovation is the key to building a more sustainable world.

The Institute is committed to a future in which sustainability is at the heart of our economies. Unfortunately, too few students today are obtaining the STEM education they'll need to navigate that new reality, or a basic understanding of how important sustainability issues are for their future. However, as the news reveals every day, the rebuilding of our world in a sustainable way—one that provides opportunities to everyone, but not at the cost of future generations, or of the planet—is urgent.

At the Institute, we consider our partnership with schools to be crucial to our mission. We are uniquely positioned to partner with school administrators across the country to facilitate the implementation of sustainability and STEM curricula in their schools. We are committed to providing dynamic resources for educators to increase their students' appreciation for STEM, with a special focus on climate education and sustainability solutions.

The Sustainable Education Toolkit is a dynamic, solutions-oriented companion curriculum that makes these stories come alive!

The Sustainable Education Toolkit is a diverse, inclusive, and extensive STEM and solutions-oriented sustainability curriculum with individualized lesson plans for each story that offer multi-faceted activities to help you incorporate sustainability into your Language Arts and STEM courses. Each lesson plan also includes practical information about sustainable career pathways, to help guide students toward the blue and green jobs that will help rebuild the planet.

The Sustainable Education Toolkit is a pedagogical tool designed to help teachers hone their students' skills in STEM and ELA. It is ideally suited for educators of high school students to help meet the requirements of state standards. And since we strive for diversity, our curriculum has a multicultural approach to help educators ensure their students' academic success and become leaders of a more just, equitable, and sustainable world. The curriculum adheres to the Next Generation Science Standards, a set of standards focused on helping students develop a coherent and scientifically-based view of the world and convert their ideas into tangible, real-life projects. It is aligned with the Green New Deal and President Biden's Plan for Climate Change and Environmental Justice. It will prepare your students for the millions of jobs that are being created to help rebuild the planet.

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Invited Progressive Educators

- High School Educators: 10-12 grades
- STEM/Environmental Education
- Language Arts & Digital Tools

- Collaborative Learners
- Inquiry-Based Learning
- Experiential Project-Based Learning
- Passionate about Sustainability
- NGSS states: AK, CA, CT, D.C., DE, HI, IL, IO, KS, KY, MD, MI, NE, NH, NJ, NM, OR, RI, VT, WA
- Massachusetts

Fall 2021: BETA Site Cohort I: Sustainable Education Facilitator

• Time Commitment: 10 week program: one hour sessions 20-30 hours (2-3 hours/week x 10 weeks) + Retreat (optional)

Sustainable Education Toolkit Components

- Virtual/Hybrid Curriculum
- Lesson Plan
- Story: English & Spanish

- Audiobook: English & Spanish
- Video: Hero Report
- Podcast: Intergenerational & young leaders

Cohort Benefits

- Comprehensive Sustainable Education Tools
- Collaborative Learning Experience
- Be perceived as a Leader in Sustainability
- Featured on Podcasts & YouTube videos
- Professional Development CEU's & Certification (pending)
- Social Media: Brand Awareness & Positive Press
- Educators Retreat (virtual/in-person optional)

Spring 2022: BETA Site Cohort II: Sustainable Career/Guidance Counselor with Sustain WDNTM

About the Stone Soup Leadership Institute

For over 20 years, the Institute has been a leader in developing dynamic educational tools, trainings, and resources that expand young people's appreciation for STEM, climate education and sustainable solutions. We pride ourselves on creating educational programs that bring sustainability issues to life and STEM activities into the classroom, to help prepare multicultural youth for a wide range of STEM-related career pathways. We have designed an engaging, comprehensive, and solutions-oriented program that prepares students for the environmental, economic, and social issues we face today. Watch The Institute's video

Our Team: We are proud to have an exceptionally strong team comprised of academics, educators, researchers and youth leaders from a diversity of cultures. We have use a collaborative learning process to develop this companion curriculum. Their diverse cultural, professional, and educational backgrounds ensures that the team as a whole has diverse points of view, and that each of the lesson plans has a rich, engaging, and global perspective.

The Institute's BETA Sites

The Institute is a Massachusetts registered non-profit organization training multicultural youth to be leaders in their lives, communities and our world. We have conducted BETA programs in several Massachusetts communities.

- Martha's Vineyard (2000-2002 + 2010-2018)
- Cape Cod BETA Site: 2020
- New Bedford BETA Site: 2018-2019
- **Boston**(2009-2010)
- **Holyoke** (2017-2019)

Other States

- Hawaii: 2011-2018
- Rhode Island: 2017-2020
- Vieques, Puerto Rico: 2003-2010
- Virgin Gorda, BVI: 2007-2010
- Sustainability Initiatives
- BETA Sites: 2015-2020

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The Stone Soup Leadership Institute's Sustainable Education Toolkit, companion curriculum for the book, Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes

Overview

The Stone Soup Leadership Institute is excited to present educators with the Sustainable Education Toolkit, a companion curriculum for the book, *Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes.* The book features real-life stories of 100 climate change trailblazers, environmental justice changemakers, educator champions, sustainability business leaders, intergenerational legacy figures, green inventors and entrepreneurs, and emerging island leaders from 38 countries and 32 U.S. cities.

The Sustainable Education Toolkit is a dynamic, solutions-oriented companion curriculum that makes these stories come alive!

The Sustainable Education Toolkit is a diverse, inclusive, and extensive STEM and solutions-oriented sustainability curriculum with individualized lesson plans for each story that offer multi-faceted activities to help you incorporate sustainability into your Language Arts and STEM courses. Each lesson plan also includes practical information about sustainable career pathways, to help guide students toward the blue and green jobs that will help rebuild the planet.

The Stone Soup Leadership Institute is committed to a future in which sustainability is at the heart of our economies. Unfortunately, too few students today are obtaining the STEM education they'll need to navigate that new reality, or even a basic understanding of how important sustainability issues are for their future. However, as the news reveals every day, the rebuilding of our world in a sustainable way—one that provides opportunities to everyone, but not at the cost of future generations, or of the planet—is urgent.

The Sustainable Education Toolkit is a pedagogical tool designed to help teachers hone their students' skills in STEM and ELA. It is aligned with Next Generation STEM (NGSS) state standards as well the Green New Deal and President Biden's Plan for Climate Change and Environmental Justice. It will prepare your students for the millions of jobs that are being created to help rebuild the planet.

Our goal is to inspire your students to explore the world of sustainability.

About the Lesson Plans

Our primary goal in designing the lesson plans has been to make sure they are user-friendly. They provide educators with clear and easy-to-follow guidelines to help them organize their own lessons, while complying with their state's Department of Education requirements. Including the standards along with the lesson plans makes it easier for teachers to plan their classes and design assessments. We have taken great care to create lesson plans that are aligned with state standards and have clear and well-defined assessment methods, both formative and summative. Every assessment is designed with a specific academic goal.

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- Values: We've imagined the values each person embodied as they pursued their goals.
- Language Arts Section is designed to help students develop their critical thinking, reading and
 comprehension, and verbal and written communication skills.
- STEM Activities Section is interactive, engaging, and project-based. It is designed to motivate
 students use technology, creativity, and innovation to actively participate in problem solving.
- Sustainability Innovations Section features people and organizations around the world are tackling similar issues. It directs your students to a wide range of resources so they can continue their exploration with independent projects and science fairs.
- Sustainable Career Pathways Section grounds sustainability practices into the real world. We want students to understand that, just as the sustainability problems we are facing are real, so are the solutions to them. In this section we offer students real-world examples of careers in sustainability that they can explore.

Why Standards?

We have designed our lesson plans around state-specific standards to ensure that teachers are able to seamlessly include these lessons in their curriculum, and that students are receiving the best possible training in skills that will ensure their academic success. By aligning our lesson plans with state standards, we ensure that all students have the opportunity to develop the same skills, regardless of their ethnic background or socioeconomic status. Basing our lesson plans on state-specific standards guarantees that students will learn the skills their state expects them to develop; helps them to achieve academic success, and sets them up to succeed in their future professional lives.

The Sustainable Education Toolkit is aligned with the following state standards:

The Next Generation Science Standards (NGSS) The NGSS is the national and becoming a global standard. We model our lesson plans using NGSS, since take into account scientific innovation, and are designed to improve American students' ability to compete internationally towards scientific disciplines and careers. There are 20 states who use NGSS standards: Arkansas, California, Connecticut, Delaware, Hawaii, Illinois, Iowa, Kansas, Kentucky, Maryland, Michigan, Nevada, New Hampshire, New Jersey, New Mexico, Oregon, Rhode Island, Vermont, Washington + District of Columbia (D.C.), These states represent over 35% of U.S. students.

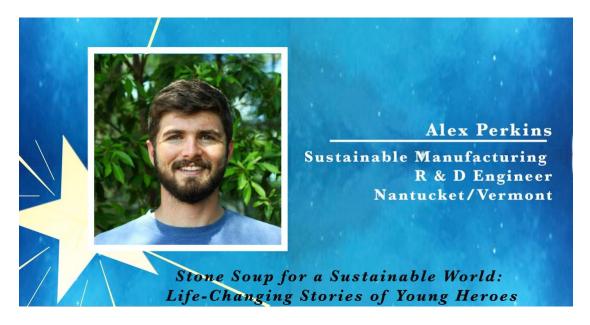
English Learning (ELA)

- Massachusetts Department of Education State Standards
- California Department of Education State Standards

Professional Development Educator Module focuses on how to use sustainability as a means to keep students engaged, as they develop the skills they need to succeed in their academic lives.

Our Team: We are proud to have an exceptionally strong team comprised of academics, educators, researchers and youth leaders from a diversity of cultures. We have use a collaborative learning process to develop this companion curriculum. Their diverse cultural, professional, and educational backgrounds ensures that the team as a whole has diverse points of view, and that each of the lesson plans has a rich, engaging, and global perspective. <u>see attached.</u>

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Engineering Solutions to Climate Change Problems
Alex Perkins
Nantucket/Vermont USA

Alex Perkins grew up in Nantucket, helping his parents take tourists out on their whale-watching boat. In high school he spent a semester in the Bahamas, where he learned about sustainability issues, and observed the horrible effects of burning plastic waste. He became fascinated with sustainability issues, and especially with finding technical solutions to these problems. First he joined with others to build a wind turbine at his school. Later he became a mechanical engineer, and even developed a machine that can turn plastic waste into fuel. For Alex, passion, technical skills, and collaborating with others are key to fighting the climate crisis. "We need to find innovative solutions to the problems we're facing," he says. "It's all about collaboration: talking about problems with friends, talking about ideas that you can build together."

Values: Caring Cooperation Imagination Determination Commitment

Lessons Learned

- When you see something, do something! Use the resources you have to solve a problem you feel passionately about?
- To solve environmental problems, reach out to others, and get them to work collaboratively toward the same goal.
- We need to all work together to find alternatives to plastics that are healthier for people, and for our planet.

Language Arts

- Imagine you are part of a group of students tasked with convincing your school to start using energy generated by wind power. In order to do this, you will need the support of other students, teachers, and administrators. Create a promotional piece to educate people in your school about the benefits of wind power. Be creative. You can use video, audio, graphic design, music, anything you like to create your campaign. Then write a reflection paper on the choices you made, and explain why you think this would be the most effective way to create awareness of the issue of your choice.
- Create a social media post designed to convince people to join your cause. Address just one specific group of people in your school community (students, teachers, or administrators). You can use still images and/or video. Then write a reflection paper explaining why you made the choices you made: why you chose to

- address that particular group of people (and how you think they can help your cause); why you addressed them the way you did (the language you used, the tone of the post, etc.); and why you chose the medium you used (video, music, graphics, written word).
- Create a PowerPoint presentation about the importance of teaching sustainability in schools. Focus on how including sustainability in the curriculum would add to the quality of kids' educations, and explain why using wind power at your school would contribute to the students' education. Then write a reflection paper explaining why you made the choices you made: why you chose to address that particular group of people (how you think they can help); why you addressed them the way you did (the language you used, the tone of the post, etc.), and why you chose the medium you used (video, music, graphics, written word).
- Write a speech to be delivered to the school board on the issue of using wind-generated power for your school district. The speech must address not only the environmental benefits of wind power, but also the practical and financial benefits of this type of electricity. The speech must be no longer than three pages, and it must include facts gathered from research.

STEM Activities

- Research areas in and around your community that could be sites for ecotourism. Alex's home in Nantucket is surrounded by the beautiful ocean. But a forested mountain range, a sprawling desert, or a prairie grassland could be equally interesting places to visit. Any places untouched by people are perfect spots to appreciate the beauty of our planet. Remember that it is important to remain respectful of the earth; leave everywhere you go just as it was when you arrived. List three potential ecotourism sites in or near your community, and three global ecotourism sites you may want to visit.
- Are there any wind turbines or other sources of renewable energy in your community? If not, do you see any potential sources of renewable energy? For example, if there are large open fields with consistent sunshine upon them, solar panels could be installed to take advantage of the surface area. If you live in a particularly windy area (like Nantucket) a wind turbine could be the perfect answer to providing power to your community! List two renewable energy resources that you think would be a good fit for your community.
- Learning is one of the most important steps on any journey; Alex helped his peers by creating a free online library. Check out your local library's selection of online books. Most libraries have books on sustainability and renewable energy; so sign up for a library card online and check out a book on sustainability. The keywords to search for are "sustainability," "renewable energy," "solar power," "geothermal," and "wind power."
- Alex used "pyrolysis" to turn plastic waste into fuel. What other waste materials do you think could be recycled into something useful? For example, did you know that scientists have found ways to use corn husks as the base for a biological car fuel? List three items that you do not see being recycled (or that are not recycled efficiently) and think about how they could be turned into something useful.
- What is a problem that you struggle with that you think could be aided, or fixed entirely, by technology? Alex says that change can happen even when it's not commercially viable, so don't limit yourselves only to profitable solutions. For example, it costs more money to build elevators in buildings than to simply use the stairs, but we can all agree that 90-story buildings do need elevators!

Sustainability Innovations

- SeaAhead: <u>sea-ahead.com</u>: SeaAhead is a <u>blue tech startup platform</u>, based in Boston, that helps build companies and facilitates investments. They are helping to catalyze a blue tech cluster in the Northeast.
- AirCarbon: https://www.newlight.com/aircarbon_ AirCarbon uses natural ocean microorganisms to make PHB from air and greenhouse gases as an alternative to plastic.

ENGIE Impact: https://www.engieimpact.com/: ENGIE Impact is a sustainability and energy management company.

Sustainability Career Pathways

- **Mechanical Engineer.** As Alex's story shows, with engineering skills we can redesign our manufacturing processes to make things—from wind turbines to toasters—more efficient and more sustainable! Want to explore the field of engineering? <u>Start here.</u>
- Renewable Energy Site Design Consultant. A lot goes into identifying an appropriate site for a new renewable energy project, from figuring out whether it will generate enough electricity, to determining what impact it will have on the surrounding environment. As we transition to renewables, there is a great demand for people who are skilled in helping to set up new projects. For example, Geo SubSea, a consultancy firm, assesses and maps the design of offshore wind farm sites in the Northeastern United States.
- Sustainable Finance. With billions of dollars being invested, where the money goes will shape the future of business. Should we be investing in oil companies, or in renewable energy companies? In downtown real estate or suburban malls? Working with a socially responsible investment firm, or with a university or foundation as an asset manager can be a great way to help develop the sustainable business sector. Here is a brief introduction to the many jobs in the field.
- **Inventor.** It's not easy to invent something, and it's even harder to get the world to notice. But a good idea can change the world! Explore these <u>5 Steps to Inventing Something</u>, and these <u>7 steps to becoming a full-time inventor</u>.

Call to Action: Identify a problem you feel passionate about, and figure out what skills you need to learn so you can do something about it. Then find others who can work with you to create a solution. Learn more about Alex's work in technological solutions to climate change problems. https://www.roadpitch.co/pitcher/synticos-llc/

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The Stone Soup Leadership Institute's Sustainable Education Toolkit Section Introductions

English Language Arts (ELA)

English Language Arts (ELA) is all about using language proficiently to communicate ideas. For students, proficiency in language is a fundamental educational component plays a key role in creating a successful future – and a very important foundation for lifelong learning.

The lesson plans in this section are designed to help students think more critically about the information they receive. The activities combine classroom discussions and presentations, with writing assignments to deepen the lessons learned through reading the stories in *Stone Soup for a Sustainable World*. These engaging, hands-on activities are designed to strengthen students' speaking, listening, reading, writing, and digital media skills, while inspiring their curiosity, encouraging them to ask difficult yet important questions, fostering collaboration, and showing them how they can-apply what they see, hear, and learn to their own lives. More importantly, it encourages students to turn their learning into actions. We want students to *do* something with what they're learning - to make a difference! These activities can be the spark that lights the fire.

STEM Activities

Imagine your students creating something groundbreaking that can change the world for the better. Like Sainath Manikandan, one of the young heroes featured in *Stone Soup for a Sustainable World*, who used what he had learned in robotics classes to invent a robot that collects trash from water sources. He went on to win multiple prizes, awards, and international recognition. More importantly, his invention is going to contribute to cleaning up our oceans. Not bad for a 12-year-old!

Real-world, hands-on learning is vitally important in preparing students for today's competitive modern workforce; and science, technology, engineering and math (STEM) skills are in high demand. Regardless of what career path students choose to take, STEM education cultivates critical thinking. As an educator, you hold the key to unlocking the talents of the next generation of problem-solvers and change-makers. Adding hands-on, project-based learning activities to your curriculum will provide your students with a valuable perspective on how technology can help solve the problems we are facing, and give them the self-confidence they need to take part in creating those solutions. This Sustainable Education Toolkit will provide you with the tools, resources, and ideas you need to ignite their curiosity and inspire them to enjoy learning—and finding ways to do something about these problems!

There are more than 300 STEM activities in these lesson plans: that they offer a hands-on approach to solving real-world problems using math, engineering, and computer science concepts and skills. Each lesson plan features at least three STEM-related activities inspired by one of the stories in *Stone Soup for a Sustainable World*. These activities will empower your students to take charge of their own learning and learn from one another as well as from you. It will also help them develop key skills: how to think creatively, and how to collaborate and communicate with others to solve complex problems. Through these activities, students will learn how working together strengthens us; how a variety of approaches and perspectives can inspire new and better ideas; and how we can use what we've learned to better our world.

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Sustainability Innovations

What is sustainability? The dictionary defines sustainability as "using a resource so that the resource is not depleted or permanently damaged." Taking it one step further, the United National Sustainable Development Goals (UNSDG) say sustainability is "meeting our needs without compromising the ability of future generations to meet their needs." Unfortunately, we have created a consumer-based culture that is focused on creating a constant supply of products and consumer expectations and demands, without considering whether we have adequate resources to meet those expectations and demands. Now, as a global community, we must come together to create a more sustainable world by changing or eliminating many of the products we are accustomed to, and stop making choices that are harming ourselves and the Earth.

Technological innovation has developed fracking, gold and diamond mining, unethical manufacturing practices in a variety of industries, and has created and a great many products that are causing direct harm to the earth. It is long past time to make a change. This section features "sustainable innovations" that are aiming to offset some of the harmful things we have done to our environment and begin to repair the damage. The innovations featured here will introduce your students to some of the products, apps, ideas, and new developments that are focused on solving sustainability-related issues, or are creating alternatives to harmful current practices that society has normalized. We hope that learning about these innovations will inspire you and your students to see some of the ways that technology can help to make our lives and communities both healthier and more sustainable.

Sustainable Career Pathways

Sometimes the right word, the right kind of encouragement, the right lesson from a trusted teacher or guidance counselor can set the course for a student's entire life path. This section features more than 200 green jobs across ten sectors including water, energy, agriculture, business, and education. The jobs range from engineers and scientists to teachers and environmental mental health counselors, from community organizers, eco-entrepreneurs, and green business managers to policy advisors, wildlife veterinarians, and conservationists—among many others.

This section offers students interesting ideas and inspiration for possible future career paths, with links to websites that offer additional information on how to explore, prepare for, and/or pursue those paths. Class discussions about these careers can be used as a prompt to further investigation into these fields. Most importantly, the many exciting careers featured here can expand their understanding of the myriad of green jobs that are available, and increase the chance that they will choose green jobs and help to build a sustainable future. They might even come up with some innovative ideas of their own, for new green jobs that haven't been created yet!

The transition to a sustainable economy is the most challenging issue of the 21st century.

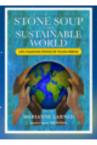
Imagine what the 10 million new jobs in the blue/green economy

could mean for our young people and for our country.

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Stone Soup Leadership Institute

Lighting the Way To a Sustainable World





WHAT WE DO







AWARENESS

Youth experience our oceans fragility firsthand on our Sustainable Field Trips.
Multicultural youth and faculty also explore ways to engage all people in sustainability and honor cultural diversity.

EDUCATION

The Institutes Educational
Curriculum uses inspirational
humanitarian stories to teach
empathy and authenticity and
inspire youth to find their moral
compass- their true north – as they
navigate important divisions for
their lives, communities and the
world

LEADERSHIP

At the Institutes Sustainability Summits, youth learn best practices and innovative models t solve sustainable issues in their communities and world. Youth become representative of their communities, and make artistic video presentations broadcast on social media.







VISION

Youth use the Institutes Life
Planning tools to envision their
lives, and plan for their future.
They are inspired by other youth
who have overcome obstacles and
are changing their lives and their
world. The see themselves as part
of the solution.

INITIATIVE

During the Institute's Fellowship Programs, youth learn to take initiative in their lives. They design sustainability-in-action projects, develop action plans, troubleshoot challenges and develop strategies to engage others. They learn from emerging leaders with can do spirit & make-it-happen energy.

CONNECT

Youth are match with mentors from Blue/Green companies that lead to internships and jobs. The Institute's Sustainable Leadership Metrics measure 21st century skills: Adaptability, communication, critical-thinking, conflict-resolutions, teamwork, Project Management, and Problem Solving.



Stone Soup Leadership Institute

Lighting the Way To a Sustainable World



Influencer Toolkit



Book Reviews

Introduction by Ted Danson

Praise for the Institute

Praise for the Book

World's Largest Book Signing Event

Press

Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes

Featured



Food Sleuth Radio
September 2021



School and Society and written for the Society for the Advancement of Education September 2021 Issue



Clarion Book Review



Midwest Book Review

Green Teacher



Green Teachers Podcast

Episode 17: Stone Soup to prepare youths for a sustainable world

Green Teacher Magazine
September 2021 Issue



CTV News with

Angie Seth with

Marianne

New Book Showcases Young Climate Activists June 5, 2021



CTV News with Angie Seth (Part 2)

Book Profiles 100 Young Climate Change Trailblazers and their Innovative Ideas Trevor Tanaka & Aadya Joshi June 19, 2021



Felemundo TV Interview with

Xiye Bastida

US TV

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US Radio



Big Blend Radio: Nature Connection Show

STONE S

Marianne Larned and Iris Zhan Stone Soup for a Sustainable World August 19, 2021



Radio 1190 Boulder, Colorado Ana Sophia Mifsud



KGMI News

Bellingham, WA Trevor Tanaka Climate Change Heroes



Naturally Savvy
Podcast Interview
October 5, 2021



The Last Word

June 30, 2021



KTRC-AM Talk 1260 The Richard Eeds Show Santa Fe, NM July 29, 2021



KFOR

Lincoln, NB June 9, 2021

US Print



Real Leaders
Magazine
Francois van den
Abeele, Slater JewellKemker, Fergus Moore,
Alyssa Lee
October 2021 Issue



GreenBiz

This Young Person's Goal: Build Climate Resilience across Puerto Rico Salvador Gómez-Colón July 2, 2021



Nob Hill Gazette

Movers & Shakers: By Land And Sea

Daniela Fernandez

August 3, 2021



BioFuels Digest Azza Faiad



SEE change Magazine, on Social Entrepreneurship

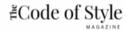
Stone Soup for a Sustainable
World: New book profiles
young climate change activists
Francois Van Den Abeele,
Daniela Fernandez, Fergus
Moore, Jonah Witkamper.
Perry Raso, Vincent Kimura



Kirkus Book Review

World Literature Today

World Literature Today



Code of Style Magazine

World's Largest Book Signing Virtual and Live Event June 24, 2021

Global Radio and Print



CBC Radio Canada Slater Jewell-Kemker



Harrowsmith Magazine
September 2021 Issue



Science Times

Mitzi Jonelle Tan,
Philippines
Stone Soup for a Sustainable
World: Life-Changing Stories
of Young Heroes by
Marianne Larned
[Book Review]



Nepali Times

Nepali climate activist makes waves Shreya KC



Guyana Chronicle

River Guardian Benita Davis is latest recipient of Young Heroes ${\bf Fund\ Award}$



Gratitude Gourmet

New Book: Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes August 5, 2021



The Stone Soup Leadership Institute's Sustainability Journey

Young people are eager to get involved with sustainability - and want to learn what they can do. They are keen to get jobs and careers to rebuild the planet. The stories in this book have been thoughtfully chosen to showcase solutions to the most pressing issues of our time. Our companion curriculum makes it easy for educators to bring these stories to life in their classroom. The Institute is committed to bringing these educational tools to our schools. We hope you will join with us!

What We've Learned

For over 20 years, the Institute has worked alongside young people who are on the front lines of climate change, social justice, and economic equity. Island people are now "the canaries in the coal mine." Every day they see their coastlines eroding, their fish supply depleted, plastics littering their beaches, and toxic waste and environmental hazards dumped into their pristine waters. In Hawaii, where they've set an ambitious goal of 100 % renewable energy by 2045, their systems are woefully lacking, especially their schools.

Education: The Challenge

As the news reveals every day, we need everyone to help rebuild the world in a sustainable way—one that provides opportunities to everyone, but not at the cost of future generations or the planet. However, while young people are hungry to learn how they can adapt to climate change in their communities, few students are obtaining even the basic STEM education they'll need to navigate that new reality. Few are learning how critical an understanding of sustainability is to their future. Ironically, at a time when we need more STEM education to help students prepare for the transition to a sustainable economy, schools are struggling to hire and keep STEM teachers. Some leave teaching for higher-paid jobs with companies. Some schools are even cutting their STEM programs to meet budget demands. Now with the COVID pandemic, many students must learn online with limited opportunities to develop their critical thinking skills, explore project-based learning, or even get the basic scientific understanding they need to help be part of this transition.

The Institute's Educational Tools

Over the years, the Institute has become a leader in developing sustainable education and sustainable workforce development educational tools — by listening to and learning from young people and their community's leaders. Our multicultural youth are leading the way toward a reimagined future, where sustainability and environmental justice are at the forefront. The Institute's Sustainability Summit, and our educational tools, books, lesson plans, career mentoring, and workforce development programs through SustainWDNTM, are custom-designed to prepare the next generation of youth leaders to build a more just, equitable, and sustainable world. Our programs align with Next Generation STEM state standards, the Green New Deal and President Biden's Plan for Climate Change and Environmental Justice.

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Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes features the stories of 100 climate change trailblazers, environmental justice changemakers, educator champions, sustainable business leaders, intergenerational legacy figures, green inventors and entrepreneurs, and emerging island leaders from 38 countries and 32 cities in the U.S. who are building a more just, equitable, and sustainable world.

Our *Sustainable Education Toolkit*, a companion educational curriculum is a dynamic, solutions-oriented program that brings these stories to life with lesson plans for each story that highlight the values and academic disciplines of Language Arts and STEM activities as well as Sustainable Innovations and Sustainable Career Pathways, to help guide students toward blue and green jobs to help rebuild the planet.

Our *Sustainability Summits* are the cornerstone of the Institute's work with hundreds of multicultural youth around the world who have been trained to become leaders, by taking initiative in their lives, their communities, and their world. We've hosted 17 Summits in four locations in two countries: from Vieques, Puerto Rico to Virgin Gorda, British Virgin Islands to Martha's Vineyard, and Newport and Bristol, Rhode Island. To respond to the pandemic and expand our reach globally, the Institute transitioned in 2020 to a virtual Summit.

Speakers Bureau inspire young people to deepen their appreciation of science and pursue sustainable career pathways, blue and green companies, and global youth speakers from *Stone Soup for the Sustainable World: Life-Changing Stories of Young Everyday Heroes.*

Our Sustainability Toolkits

- Sustainability Is Fun connects young people with engaging, fun, and interactive educational opportunities like virtual sustainability tours; games; inspiring videos; and an educational curriculum. It can be customized by region or state to provide targeted resources.
- The *Sustainable Workforce Development Network:* Over nearly 25 years, The Institute has grown to become a global leader in designing sustainable workforce development initiatives that prepare multicultural youth to become successful in their lives, their communities and our world. The Institute has collaborated with business, education, government, and community leaders to develop workforce development initiatives that build bridges with marginalized youth who face significant inequities in education, employment, and life opportunities. The Institute's multifaceted educational tools, trainings, and project-based learning programs are designed to build sustainable workforce development initiatives.
- Sustain WDNTM is an online ecosystem that builds bridges between young people, educators, and blue and green companies to build a 21st century blue/green workforce development pipeline. It offers educators and career counselors tools to guide students toward sustainable career pathways, and serves as an economic planning tool for communities to transition to sustainable economy. It helps companies realize a triple bottom line by preparing young people to contribute to a sustainable workforce, and a resilient community.
- The Sustain WDNTM Facilitators Certificate Program gives educators and career counselors the tools they need to prepare and guide their students for the green/blue economy of the 21st century. This engaging resource serves as a network to build bridges between blue employers, educational institutions, community organizations, and young people who are seeking ways to rebuild their communities and the planet.

The Institute is partnering with forward-thinking allies across industries, from PhDs and MBAs, to universities, greenblue companies, environmental organizations, educational institutions, technical and vocational programs, and most importantly, *young people* who are eager to build sustainable future. We are eager to scale this platform to reach more schools and businesses nationwide, so that together we can begin to really make a difference.

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Praise for The Stone Soup Leadership Institute

The Stone Soup Leadership Institute is continuing the legacy of past environmentalists by fostering youth leadership throughout the world. Launching the "Green Revolution" from a grassroots base will be integral to future policymaking; it is up to these youth delegates to lead this movement. With a focus on sustainable building, sustainable economies, cultural sustainability, and sustainable agriculture, this year's Sustainability Summit will continue to tackle the most difficult problems our world community faces. Use this Summit as a tool to help hone your already-budding leadership qualities into a strength that can help you connect with people from all walks of life.

John Kerry, U.S. Special Presidential Envoy for Climate

Your dedication, compassion, and care for the island communities you work with is greatly appreciated and your efforts have not gone unnoticed. The work you have done for sustainable development across the globe is a valuable contribution to the future of our environment.

U.S. Senator Elizabeth Warren, Massachusetts

The Stone Soup Leadership Institute's work of inspiring, educating, and empowering young people to take initiative in their communities is a critical step in ensuring the success and longevity of our oceans, island sustainability and our planet. Joe Kennedy, The Groundwork Project

The Institute's Virtual Education Toolkit and courses based on the book, Stone Soup for the World: Life-Changing Stories of Everyday Heroes is a treasure. It gives educators a powerful way to engage students through real-life stories with meaningful lessons that address the importance of SEL (social-emotional learning) values of caring for ourselves, others, and for the community. The Institute's noble work with students, teachers, and schools reminds me of how we created one of the nation's first SEL curriculum and founded two schools with SEL as a central pillar. We worked alongside educators, political and business leaders, and a group of Nobel Laureates to reflect on the educational needs of our society. We decided that the central foundation of a school is beyond students' knowledge. We must give them an opportunity to think, act, and lay the foundation for life-long learning. The Institute's curriculum and online courses gives teachers the tools they need to bring SEL into their classrooms. I encourage everyone who cares about our children, their future, and ours to bring these tools into our schools.

Karen Stone McCown, Founder The Nueva Learning Center, The Synapse School

I was present when the real celebrity/dignitaries, Walter Cronkite and Marianne Larned, gave life to a concept that was to become Stone Soup for the World ... and led us here today. Having had the great honor to witness the beginning, I am thrilled to be part of this event to celebrate all of the 100 impressive heroes featured in Stone Soup for a Sustainable World: Life Changing Stories of Young Heroes, who are the manifestation of that dream. I applaud you all for your brilliance, ingenuity, and commitment to helping our planet and its inhabitants. The iconic Walter Cronkite was a man of unimpeachable integrity, and great foresight and imagination. He also was an environmentalist. When Marianne shared her dream of challenging people to find their passion and use it for the betterment of mankind, he challenged her to light the way. I have no doubt that he envisioned what would follow-and is smiling down on you now, from his nearby perch, reveling in the life-changing effect you all are having on our world. Walter and Marianne both understood that it would be up to your generation to alter our course. My deepest gratitude for the enduring impact your contributions are making today, and for lighting the way for the heroes of tomorrow.

Marlene Adler, Former Chief of Staff to Walter Cronkite



The Stone Soup Leadership Institute's Sustainable Education Toolkit, a-Companion Curriculum for the Book, Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes

Our Team: We are proud to have an exceptionally strong team comprised of academics, educators, researchers, and youth leaders from a diversity of cultures. We have used a collaborative learning process to develop this companion curriculum. Our team's diverse cultural, professional, and educational backgrounds ensure that diverse points of view are represented, and that each of the lesson plans has a rich, engaging, and global perspective.

Erik Assadourian, a sustainability researcher, writer, and consultant, oversaw the development of the Sustainable Career Pathways section of the companion curriculum. For 17 years Erik served as senior fellow and researcher with the Worldwatch Institute. There he directed two editions of *Vital Signs*, and five editions of *State of the World*, including the 2017 edition (*EarthEd: Rethinking Education on a Changing Planet*); the 2013 edition (*Is Sustainability Still Possible?*); and the 2010 edition (*Transforming Cultures: From Consumerism to Sustainability*). He also designed *Catan: Oil Springs*, an eco-educational scenario for the popular board game *The Settlers of Catan*, and developed a reality TV show, *Yardfarmers*, to get young people to move back in with their parents, to farm their yards, as well as the yards of their neighbors. Erik is also an adjunct professor of Environmental Studies at Goucher College.

The Stone Soup Leadership Institute is working to draw attention to some of the most inspiring sustainability efforts taking place around the planet. If their stories inspire others to follow this path, it could make a powerful difference in our pursuit of a sustainable future. Erik Assadourian

Patricia Dias oversaw the development of the STEM activities for the companion curriculum, and served on the Institute's tech team with people of diverse backgrounds, to develop the 2019 SustainWDN TM BETA site for the Blue Economy in Southeastern Massachusetts. Patricia plans to work with diverse clients to build problem-solving applications for digital companies. While in high school she won first place in the 2014 Congressional App Challenge for building an inventory and sales-tracking application. A descendant of Cape Verdean parents, Patricia immigrated to the United States from Portugal when she was 7 years old. She is a graduate student in Computer Information Science at the University of Massachusetts, Dartmouth. Patricia lives in New Bedford, Massachusetts, where she served as a facilitator for the Institute's Sustainability Summit in 2020. She is currently a remote software developer for Augur Enterprises, using Java to build application features.

The Stone Soup Leadership Institute is wonderful organization, spearheaded by the committed and passionate Marianne Larned. Being a part of this team and creating these lesson plans has opened my eyes to the real problems facing our world and the people helping to solve them. It means so much to be able to help bring these stories to schools and inspire students to see themselves in these stories and to make a difference in their communities, Patricia Diaz

Marilyn Marquez oversaw the development of the Language Arts section of the companion curriculum. She is an English teacher for 11-12th graders at Travis Technical College and Bishop Moore Catholic High

School in Kissimmee, Florida. She is also an adjunct professor at Valencia College in Orlando. Marilyn served on the Institute's cross-curriculum design committee to create assignments and activities, as well as professional development sessions in pedagogy, online teaching technology, and curriculum design. As an adjunct professor in English at Springfield Technical Community College, she was a member of the Commission for Redesigning English Composition and Review for College Writing. As the Writing Center Assistant Director at Western New England University, she trained tutors on how to work with ESL, multicultural, and multilingual students. Marilyn is a writer and teacher of writing and literature, specializing in Latino subjects. Her work has been published in *Quintessence*, the *Surreal Times*, and *Label Me Latino*, among other publications. Born in Caracas, Venezuela, Marilyn has lived in the United States since 2002.

Working with the Stone Soup Leadership Institute has been a revelation. I am elated to have the opportunity to work with like-minded colleagues to work on a common goal: educating global citizens for a sustainable future.

Marilyn Marquez

Trevor Tanaka oversaw the development of the Sustainability Innovation section of the companion curriculum. As a 16-year-old, he was a founding member of the Sustainable Hawaii Youth Leadership Initiative. Trevor envisioned Hawaii's Sustainable Education Resolution to ensure that every student in the state has the opportunity to learn about sustainability. With the Institute's strategic support, he championed this resolution through its passage in just six months. To implement the Resolution, Trevor served on the Institute's team to create the Sustainable Hawaii Toolkit, a global model for connecting youth, educators, business, and community to build a sustainable world. Trevor graduated from Chapman University in 2016. He now serves as the Institute's Sustainability Coordinator and faculty member of the Institute's Sustainability is Fun Training Program, where he helps youth to realize their dreams and develop sustainability-in-action projects to help their communities. Trevor's story is featured in the book *Stone Soup for a Sustainable World: Life-Changing Stories of Young Heroes.*

The Stone Soup Leadership Institute has given me the unique opportunity to grow as a high school student into a young adult while supporting students who care going through a similar process. The Sustainable Education Toolkit is a gift to students everywhere because of the variety of people that it features. Students are often told what should be done, but the Toolkit gives them insight into those who have turned those words into action. We hope it serves as a tool for knowledge and excites passion in students to create a more sustainable future. Trevor Tanaka

Namgyal Gyaltshen is the project coordinator for the companion curriculum. She works on the Institute's social media and tech teams to ensure that the Institute's learning tools are user-friendly and up to date. She graduated from Brown University with a double degree in Economics and Environmental Studies, and is interested in issues at the nexus of economic development and environmental conservation. While at Brown, she interned with Environment America to advocate for the strengthening of the Regional Greenhouse Gas Initiative, and renewable energy in Rhode Island. In Bhutan, she served as an intern with the Ministry of Economic Affairs' Dept. of Renewable Energy, where she researched diversification of renewable energy sources. Under WWF Bhutan, she worked with local experts on bird conservation to launch the first Birdwatching Club of Bhutan, to initiate dialogue among the youth about conservation.

The Institute is doing powerful work and I am honored to be part of the team. I have witnessed young people who have changed their lives, and their communities and also a team that cares enough to want to bring that change to millions. I have worked closely on many of the Institute's projects. The Institute's Sustainable Education Toolkit is especially meaningful to me. Reading about and working with the global young heroes was an amazing testament to the idea of collaboration, across borders and time zones. Namgyal Gyaltshen

Janet Hulstrand is a writer, editor, writing coach, and teacher of literature. One of her all-time favorite editorial projects was working with Marianne Larned on the first *Stone Soup for the World* book. She also edited *Stone Soup for a Sustainable World*, and the companion curriculum. Janet is coauthor of *Moving On: A Practical Guide to Downsizing the Family Home*, and author of *Demystifying the French: How to Love Them, and Make Them Love You*. Her editorial clients have included the District of Columbia Public Library, the National Audubon Society, the Paul Robeson Foundation, NAFSA, and the World Bank, as well as Caroline Kennedy and Andrew Young. Born and raised in Minnesota, Janet has lived in New York City and Washington D.C. She now divides her time between France and the United States.

The Institute's Sustainable Education Toolkit, a companion curriculum for Stone Soup for a Sustainable World is an invaluable pedagogical resource for teachers, and anyone else who works with youth. In addition to a rich collection of engaging, hands-on activities in language arts and the STEM disciplines, links to online resources provide a wealth of information about current and future efforts in innovative solutions for solving our global problems. The Sustainable Career Pathways section not only introduces teachers (and students) to a number of career paths that many people may not have ever even heard of, but tells them how to learn more, and take the first steps toward entering them. The result is a practical primer for how to stop feeling hopeless and desperate, and start taking concrete steps toward meaningful, gainful, helpful involvement in today's-- and tomorrow's-- world. Janet Hulstrand

Marianne Larned is the author of the *Stone Soup for the World* series and the companion curriculums. A progressive educator, thought leader, and spokesperson, she uses the Stone Soup folk tale to encourage everyone to share their time, talents, and resources to build a more just, equitable, and sustainable world. As the founding director of the Stone Soup Leadership Institute, she uses the true stories of "everyday heroes" told in the *Stone Soup* books to develop multicultural digital educational tools, trainings, and Sustainability Summits that empower young people to become today's—and tomorrow's—leaders. Her passion for sustainability evolved from living and working alongside young people from island communities around the world—from Martha's Vineyard to Puerto Rico, and-Hawaii, Sri Lanka, and the Philippines. For twenty years Marianne served as a consultant to Fortune 100 companies as a business and workforce development strategist and corporate social responsibility pioneer, to catalyze innovative public-private partnerships. Marianne is a lifelong learner with an undergraduate degree from the University of Massachusetts School of Education and the Rudolf Steiner International Training Center in Aberdeen, Scotland. She received her master's degree in Organizational Development from Boston University, and received leadership development training from Claire Nuer's Learning as Leadership, and the Wilson Learning Management Systems.

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A Call to Action

I. WAKE UP! Climate Change Trailblazers

All Hands on Deck: It's Zero Hour Jamie Margolin, Seattle, WA, Zero Hour

An Inconvenient Youth
Alec Loorz, Washington DC, iMatter

Caring for the Circle of Life

Lilly Platt, the Netherlands, Lilly's Plastic Pickup

Climate Movements in a Digital World Iris Zhan, Virginia, Fridays 4Future Digital & Sunrise Movement

Hope from the Ends of the Earth Joel Enrique Peña Panichine, Chile, Chiloé Protegido & Fridays 4 Future Santiago

Hope Springs from the Land Down Under Jean Hinchliffe, Australia, School Strike 4 Climate

Luna

Julia Butterfly Hill, California

Plant for the Planet Felix Finkbeiner, Germany, Plant-for-the-Planet

Savvy Social Media Influencer Strikes for Our Future David Wicker, Italy, Fridays for Future Italy

Small People Creating Big Changes

Asha Kirkpatrick, United Kingdom, Global Girls Network

Standing Alone, Together Arshak Makichyan, Russia, Fridays for Future Russia

The Art of Saving the Planet
Alejandro Martinez, Spain, Juventud Por El Clima, #Fridays4Future Spain

Thirsty for Change

Alaa Salah, Sudan, Women of Sudanese Civic & Political Groups

To the Ends of the Earth...and Back

Parker Liautaud, California, Arctic Expeditions

Turning Trash into Trees

Vihaan Agarwal, India, One Step Greener

Traveling with a Purpose

Jessa Garibay-Yayen, the Philippines, Center for Sustainability PH

We Are the Leaders of Today

Kevin J. Patel, Los Angeles, CA, OneUpAction

We Will Rock This!

Linus Dolder, Switzerland, Fridays for Future Switzerland

Youth Unstoppable

Slater Jewell-Kemker, Canada, Youth Unstoppable

Our Treaty: Youth Delegates MockCOP26

II. RESPECT: Environmental Justice Changemakers

An Indigenous Leader

Evon Peter, Alaska, Indigenous Leadership Institute

An Indigenous Rebel with a Cause

Lucía Ixchíu, Guatemala, Festivales Solidarios

Blueprint for Climate Revolution

Srdja Popovic, Serbia, Otpor!

Changemaking from the Nation's Capital

Jerome Foster II, Washington DC, OneMillionofUs & The Climate Reporter

Divestment for a Sustainable Future

Alyssa Lee, Massachusetts, DivestEd

Fighting Alongside the Most Vulnerable Among Us

Mitzi Jonelle Tan, the Philippines, Youth Advocates for Climate Action Philippines

Get into Good Trouble!

U.S. Congressman John Lewis, Atlanta, GA, Student Nonviolent Organizing Committee

Green Generation

Destiny Hodges, Washington DC, Generation Green, Inc.

Indigenous Leader Invites Youth to Share Their Gifts

Xiye Bastida, New York, NY, Re-Earth Initiative, Fridays for Future New York City

Jovenes Por El Clima

Nicki Becker, Argentina, Jovenes Por El Clima

Raising Our Voices for Change

Carmen Perez, Los Angeles, CA, Barrios Unidos, Women's March, The Gathering for Justice

Rise Up for Africa!

Vanessa Nakate, Uganda, RiseUp Movement

Sustainability for Black Communities

Illai Kenney, Washington DC, HBCU Green Fund

Walking Between Worlds

Shilpa Jain, India/California, Yes World

Water Walker

Autumn Peltier, Canada, Anishinabek Nation

The Escazú Agreement

III. INSPIRE!: Education Champions

A Call to Civic Action

Scott Warren, Washington DC, Generation Citizen

Acting Locally & In Solidarity with Others

Shreya K.C, Nepal, Nepalese Youth for Climate Action

A Voice for Youth and Oceans

Angelique Pouponneau, Seychelles, SYAH-Seychelles

Awareness Campaigns

Iqbal Badruddin, Pakistan, Fridays for Future Pakistan

Building Community for Climate Refugees

Mohamad Al Jounde, Syria/Sweden, Gharsah Sweden

Digital Toolkits for Inclusive Climate Justice Movements Jett Zhang, Florida, Fridays for Future Digital

Eco-Feminism for Climate Change Adenike Oladosu, Nigeria, iLead, Fridays 4Future Nigeria

From Invisible to Visible Michelle Dilhara, Sri Lanka, Earth Day Network Ambassador

Generation Wake Up Joshua Gorman, Berkeley, CA, Generation Waking Up!

Like Kids Everywhere Samantha Smith, Maine, Cold War Peace Activist

One Goal at a Time Lesein Mutunkei, Kenya, Trees 4 Goals

Planting the Right Kind of Green Aadya Joshi, India, The Right Green

Seeing the Ocean in a New Way

Cruz Erdmann, New Zealand, Young Wildlife Photographer

The Land of Many Waters
Benita Davis, Guyana, Sandwatch Foundation

The Peace Corps in Malawi
Jill Bhowmik, San Diego, CA, Peace Corps Alumnus

We Can Do Better!

Jasper Ralph, Martha's Vineyard, Plastic-Free MV

IV. INNOVATE! Green Entrepreneurs and Inventors

Applied Hope: Building Resilient Communities

Ana Sophia Mifsud, New York, NY, Rocky Mountain Institute

A Life of Service: Water.org

Gary White and Matt Damon, Water.org

A Smart Response to Disaster Relief Ben Smilowitz, Washington DC, Disaster Accountability

Cleaning Rivers to Keep Our Oceans Clean Gary Bencheghib, Bali, Make a Change World

Connecting Islands Virtually for Climate Action

James Ellsmoor, United Kingdom, Island Innovation

Engineering Solutions to Climate Change Problems

Alex Perkins, Nantucket

Farming the Ocean

Perry Raso, Rhode Island, Matunuck Oyster Farm

Human Nature Projects

Elliot Connor, Australia, Eco Life

Invent Something to Help Others

Gitanjali Rao, Colorado, Water Testing for Lead

Light and Hope for Puerto Rico

Salvador Colon, Puerto Rico, Light and Hope for Puerto Rico

Navigating by the Stars: The Polynesian Voyaging Society

Nainoa Thompson, Hawaii, Polynesian Voyaging Society

Never Apologize for Dreaming Too Big

Daniela Fernandez, San Francisco, CA, Sustainable Ocean Alliance

Rise and Grind: Minimizing Food Waste

Fergus Moore, Scotland, Revive Eco

Robots for Fighting Plastic Pollution

Sainath Manikandan, United Arab Emirates, Jane Goodall Institute UK

Sustainable Farming for Our Future

Vincent Kimura, Hawaii, Smart Yields

Turning Waste into Fuel

Azza Faiad, Egypt, Turning Plastic into Biofuel

V. DOING WELL BY DOING GOOD FOR THE PLANET: Sustainable Business

A Future Forged in Radical Inclusion

Jonah Wittkamper, New York, NEXUS

Blue Planet Foundation: A Sustainable Legacy of Blue Innovation

Henk Rogers, Hawaii, Tetris, The Blue Planet Foundation

Building a Sustainable Business Ecosystem

Elliot Hoffman, San Francisco, CA, REVSustainability

Creating Mission-Driven Companies David Dietz, New York, NY, SUPR

Creating a New Social Contract Sam Jacobs, New York, NY, Resource Generation

For Tomorrow's Child: An Environmental Epiphany John Lanier, Atlant, a GA, Ray Anderson Foundation

Healthier Skin with True Botanicals Hillary Peterson and Laura Dern, California, True Botanicals

Ice Cream and Climate Action!

Ben Cohen, Vermont, Ben & Jerry's Foundation

Learning as Leadership: Humanizing Business

Lara & Claire Nuer, San Francisco, CA, Learning as Leadership

Sea2See Eyewear: Sustainable Products with a Conscience François van den Abeele: Spain, Sea2See Sustainable Eyewear

Service Is Just What You Do Gary Hirshberg, New Hampshire, Stonyfield Farm

Speaking Truth to Power Maria Ressa, the Philippines, Rappler!

Sustainable Business, Sustainable Living Ed Begley Jr., Begley's Best

VI. PASSING THE TORCH: Intergenerational • Legacy

A Citizen of the World

Leila Ndabirabe, Maison Shalom, Burundi/Belgium

An Opportunity to Give Back—Via Zoom! Demi Weitz, Los Angeles, CA, Quarantunes

A Voice for The Voiceless Betsabe Reyna, New Jersey, Pathways to Peace

Carrying on His Grandfather's Legacy
Cesar Chavez, Los Angeles, CA, Radio Campesina

Captain Planet: An Environmental Philanthropic Leader John R. Seydel, Georgia Turner Foundation, Director of Sustainability, Atlanta Mayor's Office of Resilience

Empowering Women to Lead

Hafsat Abiolo-Costello, Nigeria, Kudirat Initiative for Democracy

Planting the Seeds for Peace

Sami Awad, Palestine, Holy Land Trust

Ripples of Hope

Kerry Kennedy, Washington DC, Robert F. Kennedy Foundation

Tackling the Root Causes of Hunger

Anna and Frances Moore Lappé, Small Planet Fund & Institute

The Children Will Lead the Way

Valentina Ossa, Bethany and Peter Yarrow, New York

The Girl Who Silenced the World for Five Minutes

Severn Suzuki, Canada, David Suzuki Foundation

We Must Be the Change We Want to See in The World

Arun Gandhi, New York, Total Nonviolence

YouthForce Carries on His Legacy

Niven Ganegama, Sri Lanka, YouthForce

Dr. A. T. Ariyaratne, Sarvodaya

VII. EACH ONE TEACH ONE: Emerging Island Leaders

A Multicultural Dreamer

Taynara Goncalves, Martha's Vineyard, Martha's Vineyard Youth Leadership Initiative

Be the Change

Chris Aring, Martha's Vineyard, Martha's Vineyard Youth Leadership Initiative

From Recycling to Resale: ReBag

Kassandra Castillo Cruz, New York, NY, Kavani Handmade, Vieques Youth Leadership Initiative

"How Can I Help?"

Josue Cruz, Puerto Rico, Viegues Youth Leadership Initiative

Nature's Little Secrets

Feliza Fenty, Virgin Gorda, BVI, Virgin Gorda Youth Leadership Initiative

What Does Sustainability Mean to You?

Trevor Tanaka, Hawaii, Sustainable Hawaii Youth Leadership Initiative

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