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**Sustainable Career Pathways**  
**Wastewater Management**

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**The Stone Soup Leadership Institute's BETA Program  
Durfee High School CTE's Environmental Science & Tech  
Program**



Presented by  
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# The Sustainable Journey

## Ben's Goals

**Personal:** I want to live comfortably for the rest of my life.

**Professional:** Pursue a career in Clean Water that offers financial stability and areas to grow!

**Community:** To have us reach peak sustainability.

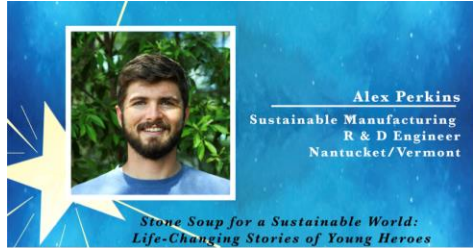
## Gavin's Goals

**Personal:** To grow up and be happy without financial concerns.

**Professional:** Pursue a career in Clean Water or environmental engineering. Interested in working in a positive workplace/environment.

**Community:** To achieve improved sustainability, and green energy use.

# Sustainable Education Toolkit - BETA Program



## 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/>

## Engineering Solutions to Climate Change Problems



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."

## 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.

What is the Sustainable Education Toolkit?

The toolkit is a virtual curriculum that highlights 100 stories from *Stone Soup for a Sustainable World: Life Changing Stories of Young Heroes*. The activities are highlighted in four different categories within a lesson plan: Language Arts, Stem Activities, Sustainability Innovations and Sustainable Career Pathways



# Bristol Community College - Clean Water Certificate

## Clean Water Quality Professional Certificate

Prepare students to enter into, or to advance in, careers in the water industry with particular attention to Wastewater Treatment and Collection. Students successfully completing these courses will be prepared to take the Massachusetts Wastewater Treatment Plant Operator and Collection System Certification Examination

## Why? Dual Enrollment

Bristol Community College partnered with Durfee High School to offer CTE students the opportunity to participate in the Clean Water Quality Professional Certificate Program.

**BRISTOL**  

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**COMMUNITY COLLEGE**

# Wastewater Management Sustainability Tour



# The Future is Ours

## **Excitement for Semester 2**

The pandemic has caused the certificate program to be converted into a virtual learning course. Barring setbacks, the spring program will be in person with Hands-on Experience! Tours of plants and in-person projects are vital to the learning process.

## **Why Should Students Care about Certificates?**

Certificate programs are great opportunities for students who are not pursuing bachelor's degrees. They are a great resource and way to prepare for sustainable career paths!

## **Plans for Spring**

How many levels of certifications are available/requirements to move on?  
We are ready to understand the infrastructure of the water treatment around us, and how to be apart of the process



# Next Steps on the Road to Success

**Internships  
Summer Jobs  
Entry Level Positions**

What are the next steps that students can look forward to after they take the certification exam?

The Stone Soup Program will expand our ability to participate in job shadow days, internships and understanding career responsibilities as a part of the spring program!

