



# The Green House

## Sustainable Learning Center

Welcome to The Green House, where our mission is to cultivate sustainable environmental practices for a diverse community of children, adults, and families. The workshops listed below offer engaging opportunities for students to learn more about their place in and effect on the planet. These hands-on workshops help to create a fertile ground where the “seeds” of sustainability can grow within your school community and beyond!

## We Are The World

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### EcoAwareness

Students will explore their connection to nature and the link between individual actions and their global affect through a series of eco-games. Students will consider their ecological footprint, participate in a life cycle scavenger hunt, and create a trash timeline while learning how to become better stewards of the ‘aina.

1-50 minute class for grades 3-12

\$100 per lesson, supply fee \$25

### Garbology I

This course offers students an in-depth introduction to the issue of “waste.” We will reconsider what we think of as trash, and explore the true meaning of Reduce, Reuse, Recycle. Students will perform a mini “waste audit” to take a look at the valuable resources that they are sending to the landfill every day!

1-50 minute class for grades 3-12

\$100 per lesson, supply fee \$25

### Garbology II

Dive deeper into the waste stream! Students will conduct a more comprehensive waste audit for your school, and create a plan to Reduce, Reuse, and Recycle a greater percentage of your school’s waste. Prerequisite: Garbology I

1-50 minute class for grades 3-12

\$100 per lesson, supply fee \$25

# Back to the Garden

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## A Garden In Every School

Need help getting a garden started? The Green House has the expertise and the resources you need! We'll build a garden bed with your class and you can take it from there! Grow vegetables, herbs, and flowers, and experience the magic of the garden, where learning opportunities abound!

1 - 60 minute class for grades K-12      \$100 per lesson, supply fee \$250

## Composting I, II & III

Compost is nature's way of recycling! Learn how to turn food and yard "waste" into beautiful soil for your gardens and potted plants. Highly recommended as a compliment to gardens at your school.

Composting I: This is a "demonstration only" workshop for schools that aren't ready to commit to a composting system on-site.

1 - 60 minute class for grades 3-12      \$100 per lesson, supply fee \$25

Composting II: Let's build some bins! If your school is ready to build a composting system, we'll get you started. We'll work with you to construct the bins using recycled materials, then show your class how to use them. Compost piles take about four months until they're ready so plan accordingly.

1 - 60 minute class for grades 3-12      \$150 per lesson, supply fee \$50

Composting III: Once your compost pile is ready to harvest, we'll come and show you how. We'll demonstrate how to use it in your gardens, and perform a system "check up" to keep you composting!

1 - 60 minute class for grades 3-12      \$100 per lesson, supply fee \$25

## Worm Habitats

Worms turn organic "waste" into the best natural fertilizer for plants! Learn about composting worms and how to care for them, and build your own worm "house" from recycled items for your classroom. Students will rave about this first hand (and sometimes first ever) experience with worms!

1 - 45 minute class for grades K-12      \$100 per lesson, supply fee \$25 (includes worms)

## Butterfly Garden

Explore the importance of pollinators, their life cycle, what they eat and how to care for them. Watch a caterpillar turn into a butterfly and plant a flower garden to help butterflies survive!

3 - 45 minute lessons for grades K-4      \$100 per lesson, supply fee \$80 total

## Seeds and Sprouts

Seeds are the source of life in more ways than one. Students will learn about seed anatomy, diversity, harvesting and planting. We'll make newspaper pots and plant seeds for students to take home.

1 - 45 minute class for grades K-12      \$100 per lesson, supply fee \$25

## Ancient Arts

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### Papermaking from Plants

Students will make paper using tropical plants and recycled paper. Each step in fiber preparation of plants — harvesting, beating, cooking and sheet formation — will be covered, providing a full comprehension of papermaking from “seed to sheet.”

1 - 60 minute class for grades K-12      \$150 per lesson, supply fee \$50

### Natural Dyes for Printing

We will explore the making of natural dyes using methods of our Hawaiian ancestors. Students will use recycled items to create their own stamp and print designs and patterns.

1 - 45 minute class for grades 3-12      \$100 per lesson, supply fee \$25

## 3 R's Art: “Trash to Treasure”

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### ECO-T's

Abacadabra! With a little imagination and a few simple tools, students will transform old T-shirts into one-of-a-kind wearable art. Students will learn the impact of a simple T-shirt on the environment and the importance of reusing these valuable resources.

3 - 50 minute lessons for grades 4-12      \$150 per lesson, supply fee \$50 total

## Renewable Energy

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### Solar Power Model Car

Students will explore the power of the sun and create a mini solar powered car using recycled items. To test their designs students will get to race their cars and discuss design modifications.

2 - 60 minute lessons for grades 5-12      \$100 per lesson, supply fee \$15 per student (includes solar panel motor and gears)

### Solar Oven

Bake a cake or cook a stew using the power of the sun! Students will create a solar oven using recycled materials and carry out a cooking experiment – no electricity, wood, or fossil fuels required!

2 - 60 minute lessons for grades 5-12      \$100 per lesson, supply fee \$25

## Ka Wai Ola - Water Cycle I

This course covers the unique water cycle of the Hawaiian Islands and our role in it. Students will learn about conservation and water catchment techniques. Understanding water's importance in the lives of our garden earth.

1- 45 minute class for grades 5-12      \$100 per lesson, supply fee \$25

## Ka Wai Ola- Water Cycle II

This advanced course covers the concepts from Water Cycle I, and teaches students how to build a water catchment system and install it. A 55-gallon water catchment tank will be constructed from 95% recycled materials on location. A suitable location for installing the catchment tank is necessary and will need to be determined before the class. (Please call to determine this and thereby the feasibility of the course)

1- 60 minute class for grades 5-12      \$100 per lesson, supply fee \$125

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