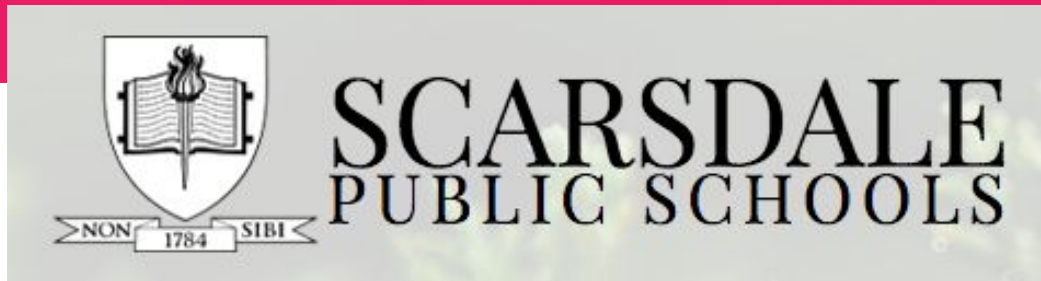


Teaching Sustainability

Scarsdale Middle School



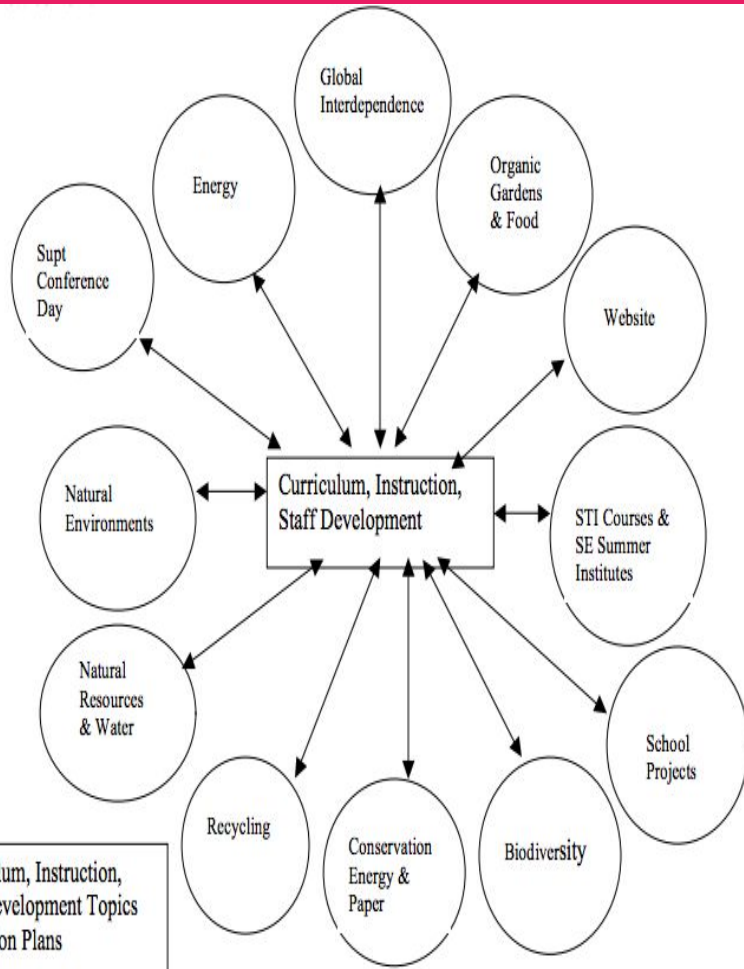
Jeanne-Marie Castiello

Sustainability In Scarsdale

In 2009, the Scarsdale School District made a commitment to create a curriculum centered around sustainability.

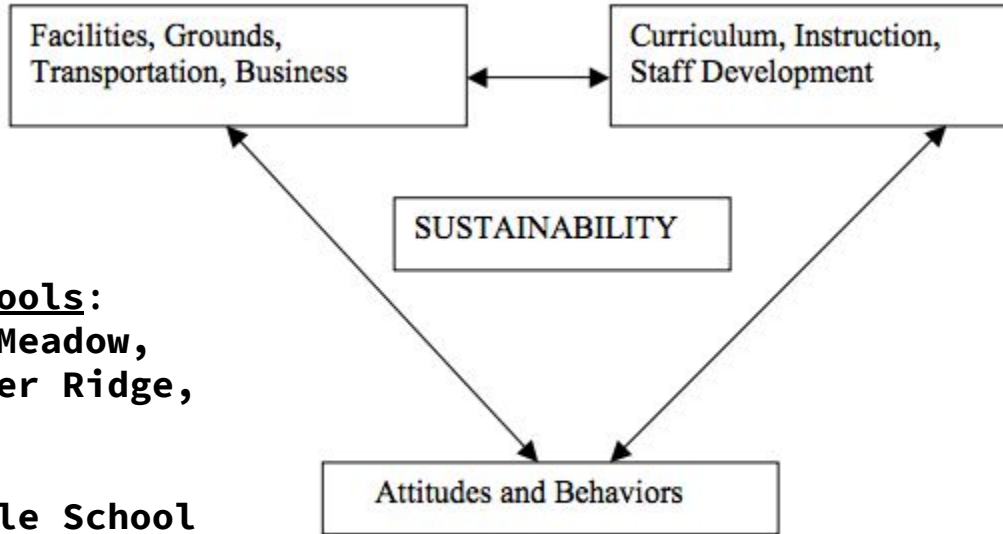
Curricular Goals:

1. The sustainability curriculum is interdisciplinary (Science & Social Studies)
2. Students need to understand the science, math, economics, politics, and justice of climate change issues
3. Environmental Stewardship



Curriculum, Instruction,
Staff Development Topics
for Action Plans

Scarsdale School District's Implementation Plan



Schools

Elementary Schools:

Edgewood, Fox Meadow,
Heathcote, Quaker Ridge,
Greenacres

Scarsdale Middle School

Scarsdale High School

Common Projects

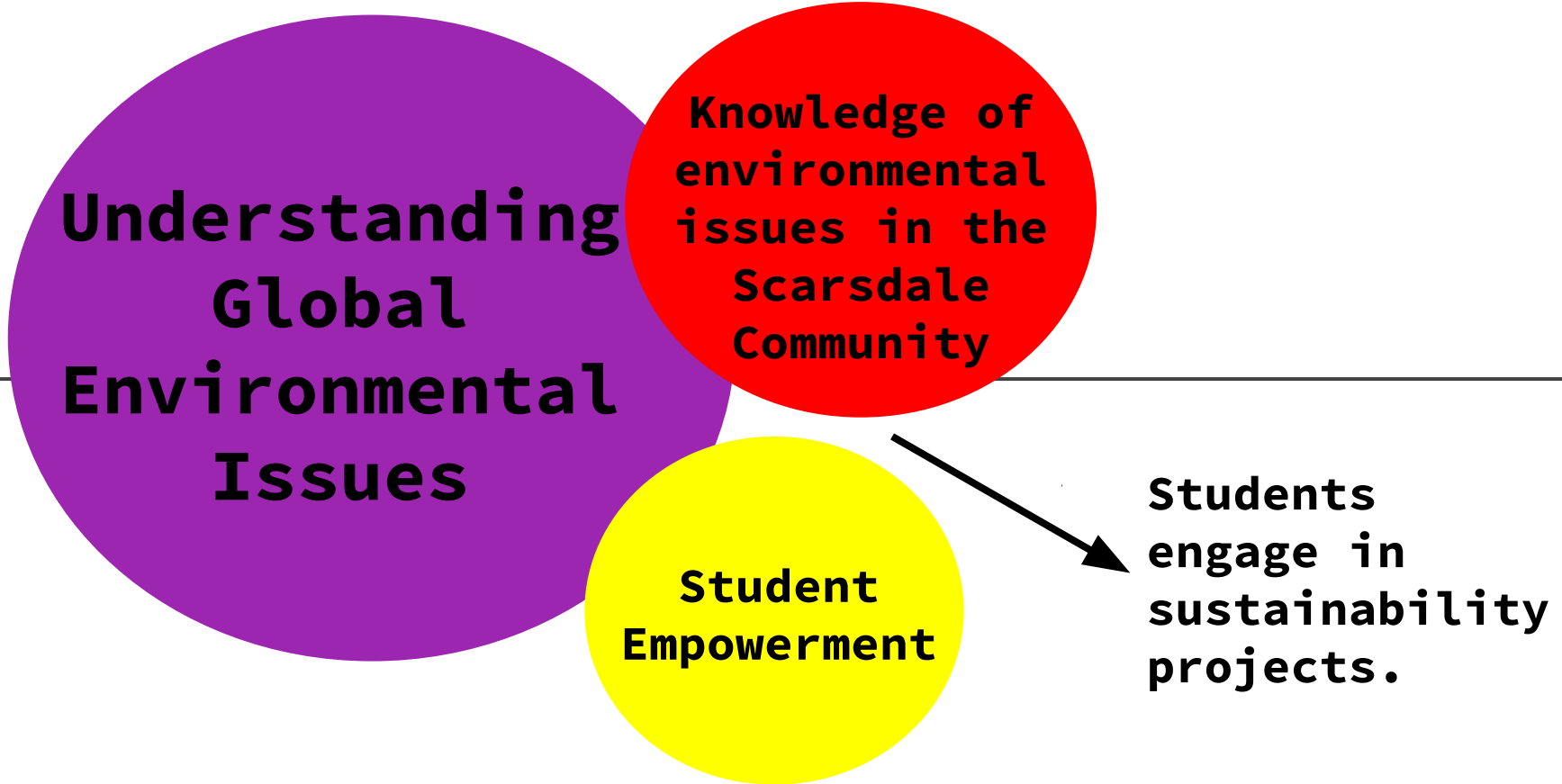
- School Gardens
- Solar Energy
- Composting
- Recycling
- Food Scraps
- Paperless Classrooms

Stewardship and Civic Responsibility

The strategy in my social studies classroom is to encourage students to take on the issue of sustainability by teaching them the following principles:

1. Environmental awareness
2. Community participation
3. Global citizenship

Environmental Awareness



Curriculum Based Sustainability Projects



Wilken's Farm

Wilken's Farm, a 270-acre historic orchard that has been operating for over 100 years in Westchester. Students learn about sustainable agricultural practices and farm to table practices.



Food Scraps & Composting

Scarsdale has one of the first food scrap recycling/composting programs in Westchester County. Students are asked to participate in the Scarsdale Village food scraps program.

INDUSTRIAL FOOD SYSTEM



GROWING

Growers use heavy equipment to prepare soil, and plant and maintain crops on huge farms of single "monocrops."



HARVESTING

Farm workers gather the ripened crop from the field using large machinery, harvesting great quantities at once.



TRANSPORTING

Transportation workers move the food by air, truck, train, ship, or barge. Transporting may happen at many steps and for very long hauls.



PROCESSING

Food processors use factory equipment to chop, grind, dry, boil, can, or freeze food to preserve it or to make it more convenient. Processed food is often greatly altered from its natural state.



PACKAGING

Workers operate machinery to put food into cans, bags, boxes, or other containers for sale. The packaging protects food and helps sell it.



WHOLESALE

Wholesalers sell and distribute large quantities of foods to stores.



RETAILING

Retailers sell foods to customers, usually in supermarkets, grocery stores, or other stores.



EATING

People buy, prepare, and eat the food.



DISPOSING

People discard leftover food and packaging. While most is recyclable or compostable, much of it ends up in landfills.



Learn to Care

Butler 6 Interdisciplinary Project:

- The Great Garbage Patch
- Global Warming
- Colony Collapse Disorder
- Invasive Species
- Clean Water
- Hydraulic Fracking
- Poverty in America
- World Population

The Great Pacific Garbage Patch

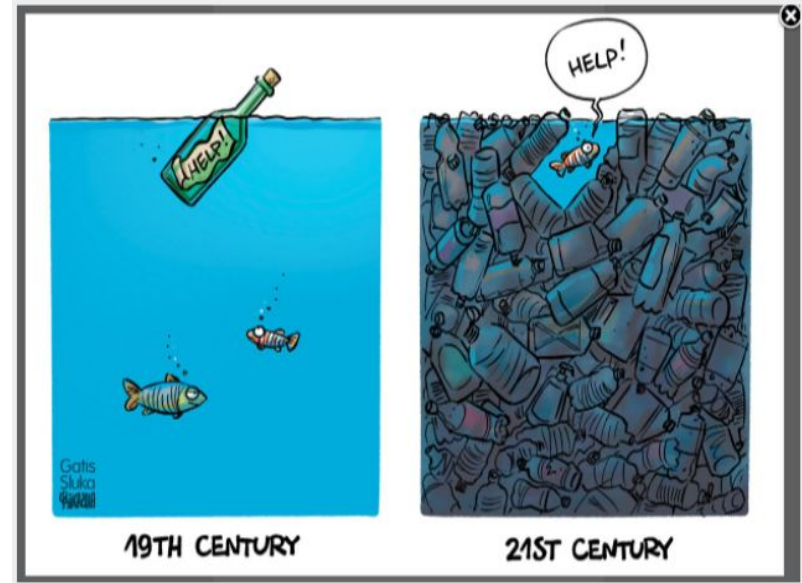


[Learn to Care Website](#)

Current Events



Weekly current events topics are based on the 17 Global Goals for Sustainable Development



Poverty

Interdisciplinary
Unit: World Language
& Social Studies



Students learn about access to clean water and food.

The poverty rate in Westchester.

Volunteer for one month at the Caritas Center Food Pantry in Port Chester, NY.

Take action by serving the community.

Scarsdale Conservation Advisory Council (CAC)

**Food Scraps Recycling
Program**

Furniture Share House

Solar Energy

School Recycling Programs

Scarsdale Tree Code



COLLECT

Collect food scraps & paper products in a **countertop pail** using **compostable bags**



PLACE CURBSIDE

Place bags of food scraps in storage bin and **place bin at curb** on your pickup day



WEEKLY PICKUP

Sanitation will pick up the food scraps weekly



Thank You!

