

## 2014-2015 Advanced Sustainability Initiative Training Course List

Course Name	Sponsored by	Grade Level	Advanced Descriptions
Clean Tech Curriculum	Solar One	Grades 9-12	Teachers are introduced to Solar One's advanced STEM curriculum- Clean Tech- which explores sustainability, STEM, and environmental science through close study of five areas: Energy, Air, Water, Food, and Materials. The lessons, filled with hands-on activities, use the school building as both a learning laboratory and tool for environmental change. During the PD teachers will; participate in hands-on STEM activities, explore methods for integrating environmental education and sustainability across subject areas, and receive lesson plans from the CleanTech curriculum.
Composting in the Classroom	NYC Compost Project hosted by Snug Harbor Cultural Center & Botanical Garden	All grades	NYC Compost Project presents a hands-on introduction to the world of composting. Learn why composting is important and how to bring it to your school. Activities include a workshop on basic wormbins for teachers, and an outdoor composting workshop at the nearby Battery Urban Farm.
Create a Certified Schoolyard Habitat with NWF Eco-School USA	NWF NYC Eco-Schools	All grades	Many schools create food gardens to teach their students about healthy, sustainable food. Did you know that you can also create school gardens that are habitats for native plants and wildlife? Schoolyard Habitats™ are living laboratories where budding citizen scientists can explore a range of ecological principles, from biodiversity to climate change. Join NYC Eco-Schools to learn about how you can garden for wildlife with the National Wildlife Federation's Schoolyard Habitats™ program, and create outdoor classrooms that attract and support local wildlife while meeting educational standards in ELA, Math, Science, Social Studies, and Art.
Education for Sustainability "To Go"	Childrens Environmental Literacy Foundation	All grades	"What practical Education for Sustainability (EfS) ideas, principles, and activities can I share with my school learning community tomorrow from today's workshop training?" - CELF's EfS to Go will engage you in EfS learning activities and best teaching practices that demonstrate how sustainability provides you with an integrating context for the content and standards you are already teaching while raising student engagement and performance. Together we will apply the habits of systems thinking to support your efforts to build a collaborative learning community in your school. You will return to your school with numerous EfS resources including student lessons, professional development activities for staff, and ways to engage other learning community members.
Green Design Lab Curriculum	Solar One	Grades 3-8	Teachers are introduced to Solar One's Green Design Lab curriculum which explores sustainability, STEM, and environmental science through close study of five areas: Energy, Air, Water, Food, and Materials. The lessons, filled with hands-on activities, use the school building as both a learning laboratory and tool for environmental change. During the PD teachers will; participate in hands-on STEM activities, explore methods for integrating environmental education and sustainability across subject areas, and receive lesson plans from the GDL curriculum.
Sort it Out NYC! Engaging Students & Adults in Organics Collection and Recycling	Recycling Champions Program	All grades	This comprehensive workshop will cover recycling and organics collection best practices in NYC K-12 schools. Learn about inquiry-based, fun, hands-on activities that engage students throughout a recycling campaign. Examples include; How to set up an effective system for recycling, the benefits of recycling and making it relevant to NYC students, how to integrate recycling into the NYC curriculum, how to start and engage a Student Leadership Green Team, and how to create an effective adult support network focused on sustainability and recycling.
Launching & Sustaining Effective Student Green Teams	Alliance for Climate Education	Grades 8-12	Join the Alliance for Climate Education (ACE) for a workshop that will focus on supporting student leadership in building the capacity of your Green Team from the ground up, so your Green Team can transform their ideas into action. Modules include: team structure, building membership, running effective meetings and developing successful projects.

Nature Works Everywhere	The Nature Conservancy	Grades 5-9	The Nature Conservancy will present hands-on activities and lessons that show the science behind how nature works and how people can work to keep nature healthy, productive and sustainable. Coming directly from lessons available at <a href="http://www.NatureWorksEverywhere.org">www.NatureWorksEverywhere.org</a> , participants will learn about resources they can take back and apply in their classrooms, schools, or school gardens immediately.
Reduce your School's Energy Use with the Cool School Challenge	NWF NYC Eco-Schools	All grades	NWF Eco-Schools USA's Cool School Challenge engages students and teachers in practical strategies to reduce greenhouse gas emissions school-wide. Students challenge individual classrooms to reduce their carbon emissions over a set period of time, and utilize an interactive carbon calculator to see results in real time. Join NYC Eco-Schools for a mock Cool School Challenge, learn how to perform an energy audit in your classroom, and use NWF's carbon calculator. Participants will split into teams to see who can save the most energy. Will your team win?
Reduce-Reuse-Recycling Resources for Schools	NYC Department of Sanitation	All grades	Explore DSNY's RRRResources for Schools. Try out some lesson plans and activities for students from the <i>NYC K-12 School RRRResource Guide</i> . Find out how to get your whole school involved in your applied-learning sustainability project, and learn the secrets of success for winning huge cash prizes in the DSNY <i>Golden Apple Awards</i> .
Renewable NYC Curriculum	CityScience	Grades 4-8	CityScience will present their 'Renewable NYC' curriculum for grades 4-8. The curriculum consists of four lessons about energy use and carbon emissions. Participants will receive copies of the lesson plans and PowerPoint presentation via Dropbox.
Reuse through the Common Core	Materials for the Arts	All grades	Materials for the Arts, a unit of the NYC Department of Cultural Affairs operates the city's premier reuse facility. Through the workshop participants will learn the details about how all NYC public schools can receive free reusable supplies from MFTA and their community. Everyone will learn many approaches in how materials can be reused for important purposes in schools including affordable Project-Based Instruction, props for School Performances, and building School Gardens. Creative Reuse helps engage schools in an understanding about waste and sustainability and helps teach schools about the advantages of good stewardship of materials.
Seed-To-Table Education	Edible Schoolyard NYC	All grades	A class in seed-to-table education, Edible Schoolyard will talk about ways to start a school garden, demonstrate a simple cooking activity, and give examples of curriculum that uses gardening and cooking to teach healthy food choices.
Small Victories for School Gardeners	Grow To Learn	All grades	Come learn about what types of school gardens are growing in New York City and learn what resources are available to NYC public and charter schools. Discover easy, quick and low-maintenance crops to plant that will start your school gardening experience with a bang!
The Zero Waste School by NYC Eco-Schools	NWF NYC Eco-Schools	All grades	Did you know that 90% of a school's waste could be recycled or diverted from landfill? Join NYC Eco-Schools for a hands-on workshop on recycling and waste reduction in schools through the program's "Consumption and Waste" pathway. You'll participate in a real waste audit, learn how you can recycle just about anything and earn cash for your school at the same time, tie your waste reduction activities to the curriculum, and find out about exciting recycling-related field trips in NYC. We'll try to work through common challenges and obstacles, and discuss how campus schools can recycle successfully. The ultimate goal is getting to zero waste!
Water for the Future	Department of Environmental Protection	All grades	Participants would learn about New York City's water supply and wastewater treatment systems and ongoing work being done to fix and maintain this aging system. Participants will also learn about current initiatives to reuse organic waste to recover and reuse methane gas for energy during the wastewater treatment process. This course will focus on the importance of sustainable practices and how sustainable behaviors in schools, such as composting, water conservation, and wastewater reduction all help lower the amount of energy used by DEP and the city.