



Green Science and the Sustainable Built Environment

Time	Session	Description
9:00	Check In and Review	
9:15	Sustainability in the Built Environment: <i>A New Design for Urban Environments</i>	Participants will discover how a Sustainable Built Environment contributes to a ecologically healthy and livable world. This workshop will introduce broad concepts in green technology; human-made sustainable physical structures and infrastructure; and how these can improve community health. Learn methods for applying these concepts to curriculum, schools and other learning environments.
10:00	Science Inquiry and Green Technology: <i>Critical Thinking and Scientific Exploration</i>	The value of science inquiry can not be understated. It is a key component of the 4-H Positive Youth Development program. Participants will learn how to tap into the natural curiosity and energy of youth to investigate and solve the mysteries of the world around them. This session will also model the use of science inquiry and experiential learning to explore the built environment with an emphasis on green technology.
Noon	Lunch	
12:45	Experiments with Renewable Energies : <i>Hands-on Activities with Innovative and Sustainable Technologies</i>	The field of renewable energy is filled with educational opportunities for students today and rewarding careers tomorrow. As educators we can help youth prepare for these opportunities by engaging them in lessons that integrate, science, engineering and math concepts into experiential learning activities centered on renewable energy. In this session participants will learn several, fascinating, experiments designed to introduce key technologies and concepts of renewable energy into the classroom and club environment .
2:00	Rain Gardens:	In this session participants will discover the theory, design and implementation of rain gardens and their benefits to the environment and healthy living. Emphasis will be place on tips and strategies for development of rain gardens on school grounds and integration of the rain gardens into educational activities.
3:15	Break	
3:30	Green Art: <i>Inspiration from Gardens and the Natural World</i>	Let your creative juices flow and discover inspiration in gardens, nature and the built environment. This session will reveal tips and strategies for integrating the environment around us into variety of artistic mediums.