

Biochemistry	Award	Name	School	Title
	Second	Pooja Rambhia	Jericho High School	<i>Modification of Fibrinogen Clotting in the Absence of Thrombin: A Novel Surface Chemistry Approach with Biomedical Applications</i>
Engineering: Electrical & Mechanical	Award	Name	School	Title
	Third	Chaimaa Makoudi	General Douglas MacArthur High School	<i>Lighting the Future: The Power Output of Titanium Dioxide Solar Cells Using Various Dyes</i>
Engineering: Materials & Bioengineering	Award	Name	School	Title
	Second	Julia Poje	Valley Stream South High School	<i>A Molecular Automaton with Built-in Visual Display for Filovirus Identification</i>
Environmental Management	Award	Name	School	Title
	Second	Brandon Li	Jericho Senior High School	<i>Pore Size Reduction of Electrospun Polyacrylonitrile (PAN) Scaffolds for High Performance Microfiltration</i>
Environmental Sciences	Award	Name	School	Title
	Best in Category	Celline Kim	Manhasset High School	<i>Environmental Toxin 4-Nonylphenol and Autoimmune Diseases: Using DNA Microarray to Examine Genetic Markers of Cytokine Activity</i>
	First	Celline Kim	Manhasset High School	<i>Environmental Toxin 4-Nonylphenol and Autoimmune Diseases: Using DNA Microarray to Examine Genetic Markers of Cytokine Activity</i>

Mathematical Sciences	Award	Name	School	Title
	Best in Category	Joshua William Pfeffer	North Shore Hebrew Academy High School	<i>Super Kohler-Ricci Flow</i>
	First	Joshua William Pfeffer	North Shore Hebrew Academy High School	<i>Super Kohler-Ricci Flow</i>
Medicine & Health Sciences	Award	Name	School	Title
	Third	Pragya Kakani	Jericho Senior High School	<i>The Novel Use of Fluorescence Resonance Energy Transfer (FRET) to Observe Apoptosis in Oligodendrocytes</i>
Microbiology	Award	Name	School	Title
	Third	Joshua Lewin-Jacus	Lynbrook Senior High School	<i>The Effects of Grazer Exclusion on the Colonization of Hard Substrates by Microbial Communities</i>

	Award	Name	School	Title	
Teams	First	Jan Gong & Charles Cheng Yu	Garden City High School/ The Wheatley School	<i>High Glucose Levels Alter Morphine Signaling Systems: A Novel Pathway for Sugar Addiction</i>	
	Second	Shaunak Krishan Bakshi, Peter Hans Massey	Manhasset Senior High School	<i>Analysis of the Effects of Sleep Deprivation on Learning Behavior and Cognitive Deficit in a Drosophila Model: A Potential Target for Neuroprotective Pharmacotherapy</i>	
	Fourth		Ruchi Shah & Garima Yadav	Sachem High School North	<i>The Role of Perspiration Constituents in the Attraction of Culex pipiens to Humans</i>
			Jackie Bokor & Hannah Berkowitz	Long Beach High School	<i>Enhancing Biofilters: The Impact of Abscisic Acid on the Sequestration of Heavy Metals by Euglena gracilis</i>
			Neil Pathak & Rohit Ramani	Herricks High School / Half Hollow Hills High School East	<i>Construction of a Contrast-Enhanced Brain-Mimicking Hydrogel and Simulation of the Mechanical Effects of Implantable Brain Electrodes</i>