



ISEF 2016 Grand Award Winners

Best in Category \$5,000, First \$3,000, Second \$1,500, Third \$1,000, Fourth \$500

Animal Sciences	Award	Name	School	Title
	Second	Jared Bergen	Sayville High School	<i>Geospatial Analysis of Cetacean Distribution and Habitat Utilization Related to Prey Density and Sea Surface Temperature off the Long Island, New York Coastline</i>
Animal Sciences	Award	Name	School	Title
	Fourth	Rachel Mashal	Bellmore JFK High School	<i>Development of a Caffeine Addiction Paradigm to Examine How Dietary Restriction and Level of TOR Signaling Modulate the Effects of Drugs</i>
Behavior & Social Sciences	Award	Name	School	Title
	Second	Miriam Eisenberg	North Shore Hebrew Academy High School	<i>Going for the Goal: The Effects of Removing Preparatory Information on the Fast and Unconscious Reading of Action Goals in a Computer-Simulated Competitive Interaction</i>
Biochemistry	Award	Name	School	Title
	Second	Kameron Sedigh	Kings Park High School	<i>Structural and Kinetic Analysis of Methicillin-resistant Staphylococcus aureus MenE, an acyl-CoA Synthetase of the Bacterial Menaquinone Biosynthesis Pathway as a Novel Antibacterial Target</i>
Biomedical Health Sciences	Award	Name	School	Title
	Fourth	Mohamed El-Abtah	Syosset High School	<i>Organotypic ex vivo Culture of Liver Tissue for Assessment of HCC Chemoprevention Drug</i>
Chemistry	Award	Name	School	Title
	First	Archana Verma	Jericho High School	<i>Effect of Jahn-Teller Distortions on Relaxation Dynamics</i>

Energy: Chemical	Award	Name	School	Title
	Second	Lee Blackburn	Lawrence High School	<i>Incorporation of Platinum and Gold Partially Reduced Graphene Oxide into Polymer Electrolyte Membrane Fuel Cells for Increased Output Power and Carbon Monoxide Tolerance</i>
Environmental Engineering	Award	Name	School	Title
	Second	Alexis D'Alessandro	Half Hollow Hills High School West	<i>Design and Implementation of a Sustainable Permeate Gap Membrane Distillation System for Water Purification in the Turkana Basin of Kenya</i>
Materials Science	Award	Name	School	Title
	First	Grace Hu	Jericho High School	<i>Advanced Au-SPIONs: Synthesis and Characterization of Multifunctional Nanoparticles for Personalized Nanomedicine</i>
Mathematics	Award	Name	School	Title
	Fourth	Metaab Sawhey	Commack High School	<i>A Study of Bar and Arc k-Visibility Graphs</i>
Microbiology	Award	Name	School	Title
	Third	Justin Kim	Jericho High School	<i>Enhancement of Beta-lactam Antibiotic Susceptibility by Tannic Acid through Beta-lactamase Inhibition</i>