ISEF 2015 Grand Award Winners

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

	Award	Name	School	Title
Biochemistry	Second	Jason Fiacco Kevin Sadhu	Manhasset High School	Counteracting Pb2+ Induced Neurodegeneration: A Chemical and Genetic Approach towards Enhanced Synaptic Plasticity
	Award	**Name**	**School**	**Title**
Cellular and Molecular Biology	Second	Scott Massa	Commack High School	The Importance of Endocytosis to Neuregulin1 Back Signaling: Implications in Neuropsychiatric and Neurodegenerative Disorders
	Second	Jay Zussman	William A. Shine Great Neck South High School	Zip1 C-terminal Phosphorylation Promotes Zip1-Sgs1 Interaction in Meiotic Cells
	Award	**Name**	**School**	**Title**
Chemistry	Second	Pavithran T. Ravindran	W. Tresper Clarke High School	Formation of Poly(3-hydroxybutyrate) Inclusion Compounds with Urea and Thiourea
	Award	**Name**	**School**	**Title**
Energy: Physical	Third	Aidan Dwyer	Northport High School	Fueling the World One Layer at a Time: Improving the Efficiency of the Gratzel Cell with Nanotechnology
	Award	**Name**	**School**	**Title**
Environmental Engineering	Second	Steve Zheng	Jericho Senior High School	Synthesis of a Novel Metal Organic Framework with a PCU Topology for CO2 Separation in CCS
	Award	**Name**	**School**	**Title**
Microbiology	Fourth	Brian Joseph Righter	Smithtown High School East	Designing a Genetic CRISPR-cas Detection Probe for Adherent Invasive Escherichia coli Utilizing Comparative Genomics

	Award	Name	School	Title
Physics and Astronomy	Second	Niyati Ketan Desa	Ward Melville High School	Hybrid Graphene-Ferroelectric Devices Utilizing BaTiO3 - SrTiO3 Superlattices
Plant Sciences	Second	Meghan Dong Duo Bialt-DeCelie Benjamin David Golbin Levy Aaron Sominsky	George W. Hewlett High School	Investigating the Phytotoxicity of ZnO Nanoparticles and the Mechanism of Transport in the Prothallial Cells of Ceratopteris richardii
Systems Software	Fourth	Justin Barish	Kings Park High School	A Hand-centric Gestural Interface for 3D Navigation and Interaction in Visualization