

ISEF 2012 Grand Award Winners

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

	3			7,000, Fourth \$500
	Award	Name	School	Title
Animal Sciences	Third	Trinity Russell	Commack High School	A Behavioral Comparison of Laboratory Reared Stock and Recently Captured Fruit Flies (Drosophila melanogaster) Using Upward Movement, Phototaxic, and Starvation Assays
	Award	Name	School	Title
	Best in Category	Benjamin Kornick	Roslyn High School	OMG: Look Who Joined Facebook! The Relationship between Parenting and Adolescent Risk Behaviors
Behavior & Social Sciences	First	Benjamin Kornick	Roslyn High School	OMG: Look Who Joined Facebook! The Relationship between Parenting and Adolescent Risk Behaviors
	Fourth	Brett Gossett	Bellmore John F Kennedy High School	Are Some Disabilities More Handicapping than Others? A Comparison of Teacher Grading of Children with Medical, Physical and Behavioral Disabilities
	Award	Name	School	Title
	Best in Category	Rebecca Alford	Commack High School	The Membrane Mutational Effect Classifier (MMEC): A Novel Structure-Based Approach to Predicting the Functional Effects of Mutations in Membrane Proteins
Biochemistry	First	Rebecca Alford	Commack High School	The Membrane Mutational Effect Classifier (MMEC): A Novel Structure-Based Approach to Predicting the Functional Effects of Mutations in Membrane Proteins
	Second	April Pun	Jericho High School	DNA Repair Mechanisms: Investigations of Base Excision Repair Pathway in Differentiated and Proliferative Neuronal CAD Cells

	Award	Name	School	Title
Chemistry	Fourth	Steve Jang	Commack High School	Synthesis and Analysis of Novel Phototriggers for Drug Delivery Systems
	Award	Name	School	Title
Computer Science	Fourth	Azaria Zornberg & Bailey Liao	Half Hollow Hills High School West	Effective Prevention of Memory Error Exploitations through the Use of Memory Address Randomization
	Award	Name	School	Title
Engineering: Materials & Bioengineering	Fourth	Japbani Nanda	W. T. Clarke High School	The Ultimate Delivery Package: Implementing Composite Hydrogels for Use in Cell and Drug Delivery Applications
	Award	Name	School	Title
Environmental Management	Second	Rajkumar Pammal	Commack High School	Improving Reverse Osmosis Membranes for Desalination: The Modification of Cellulose Nanofibers
	Award	Name	School	Title
Environmental Sciences	Second	Arianne Papa & Jane Smyth	Long Beach High School	Mussels, a Natural Approach to Water Quality Improvement: Assessing the Impact of Environmental Factors on P. americanus and G. demissa Status in Long Island Bays and Applying G. demissa as Biofilters
	Award	Name	School	Title
Mathematical Sciences	Fourth	Kevin Sherwin	Roslyn High School	Classifying Generic Smooth Curves in the Projective Plane Related to Algebraic Curves of Degree 5
	Award	Name	School	Title
Medicine & Health	Second	Anoj Ilanges	Oceanside High School	Dietary Alcohol Exposure Enhances Overgrowth Phenotypes Resulting from Disruption of the Hippo Pathway in Drosophila melanogaster
Sciences	Third	Ruchi Shah	Sachem High School North	Beta-catenin and E- cadherin: Novel Protein Biomarkers for Improved Diagnosis of Precancerous Lesions of the Cervix

	Award	Name	School	Title
Physics and Astronomy	Third	Shannon Wetzler	Kings Park High School	The Novel Determination of the Stopping Power and Other Characteristics of Quark Gluon Plasma Based on Several Jet Modification Measurements