



# ISEF 2011 Special Award Winners

	Award	Prize	Name	School	Title
American Association for Clinical Chemistry	First	\$1,500	Kelsey Skyler McKenna, Alan Eyal Czemerinski and Tom Jie Wang	South Side High School/ The Wheatley School/ The Wheatley School	<i>3-Dimensional Bio-imprinting of Proteins and Viruses</i>
	Award	Prize	Name	School	Title
American Association of Pharmaceutical Scientists	Fourth	\$125	Neil Pathak	Herricks Senior High School	<i>Polyfunctionalized Single-Walled Carbon Nanotubes as Novel Scaffolds for Multimodal Tumor-Targeted Therapy and Biological Imaging</i>
	Award	Prize	Name	School	Title
American Chemical Society	Second	\$3,000	Dianna Hu	Half Hollow Hills High School West	<i>Computational Analysis of Specific Missense Mutations in the SMN Tudor Domain</i>
	Honorable Mention	Certificate	Shaunak Krishan Bakshi	Manhasset High School	<i>Characterization of Tyrphostin AG879 as a Novel Selective Modulator of Amyloid Precursor Protein Gamma-Secretase: Towards Safe Neuroprotective Therapy for Alzheimer's Disease</i>
			Neil Pathak	Herricks Senior High School	<i>Polyfunctionalized Single-Walled Carbon Nanotubes as Novel Scaffolds for Multimodal Tumor-Targeted Therapy and Biological Imaging</i>
	Award	Prize	Name	School	Title

<b>American Meteorological Society</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Second</b>	<b>\$1,000</b>	<b>Marni Jordyn Wasserman</b>	Commack High School	<i>Investigating Climate Change: A Comparative Analysis of Colonial and Modern Weather Data</i>
<b>American Psychological Association</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Third</b>	<b>\$500</b>	<b>Samantha Michelle Phillips</b>	William A. Shine Great Neck South High School	<i>Strategies Utilized by People with Autism and Neuro-Typical Individuals to Determine Emotion in Faces</i>
<b>American Statistical Association</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Honorable Mention</b>	<b>Certificate</b>	<b>Brian Patrick Ralph</b>	Smithtown High School West	<i>Understanding the Evolutionary Trends of Basal Dinosauria with Respect to Body Mass Analyses</i>
<b>Association for Computing Machinery</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Third</b>	<b>\$300</b>	<b>Gregory Louis Manis</b>	John F. Kennedy High School	<i>The Design and Implementation of a Dialect of Scheme for Parallel Processing on the GPU</i>
<b>IEEE Computer Society</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Second</b>	<b>\$500</b>	<b>Gregory Louis Manis</b>	John F. Kennedy High School	<i>The Design and Implementation of a Dialect of Scheme for Parallel Processing on the GPU</i>
<b>IIT College of Psychology</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>\$15,000 per year for up to four years</b>	<b>Sarah Susie Pak</b>	Roslyn High School	<i>Would You Do It for the Kids? Factors Involved in the Prediction of Intergenerational Preferences</i>

<b>International Council on Systems Engineering - INCOSE</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Honorable Mention</b>	<b>Certificate</b>	<b>Ishwarya Ananthabhotla</b>	Kings Park High School	<i>A Robotic Assistant for the Visually-Impaired (RAVI): A Novel System Employing Digital Image Processing and Sonar Range Detection</i>
<b>King Abdul-Aziz &amp; his Companions Foundation for Giftedness and Creativity</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>\$5,000</b>	<b>Arianne Elizabeth Papa and Jane Elizabeth Smyth</b>	Long Beach High School	<i>Mussels, a Natural Approach to Sewage Treatment: Evaluating Geukensia demissa as Biofilters of Local Bay Pollution</i>
<b>National Anti-Vivisection Society</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Third</b>	<b>\$1,000</b>	<b>Neil Pathak</b>	Herricks Senior High School	<i>Polyfunctionalized Single-Walled Carbon Nanotubes as Novel Scaffolds for Multimodal Tumor-Targeted Therapy and Biological Imaging</i>
<b>Institutes of Health</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>\$2,500</b>	<b>Sarah Susie Pak</b>	Roslyn High School	<i>Would You Do It for the Kids? Factors Involved in the Prediction of Intergenerational Preferences</i>
<b>Sigma Xi, The Scientific Research Society</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>\$2,500</b>	<b>Arianne Elizabeth Papa and Jane Elizabeth Smyth</b>	Long Beach High School	<i>Mussels, a Natural Approach to Sewage Treatment: Evaluating Geukensia demissa as Biofilters of Local Bay Pollution</i>

<b>Society of Exploration Geophysicists</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Merit</b>	<b>\$1,000</b>	<b>Marni Jordyn Wasserman</b>	Commack High School	<i>Investigating Climate Change: A Comparative Analysis of Colonial and Modern Weather Data</i>
<b>States United for Biomedical Research (SUBR)</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Third</b>	<b>\$500</b>	<b>Daniel Jacobs Kramer</b>	Lynbrook Senior High School	<i>A Novel Approach to the Analysis of Circadian Biology Using Scale Invariance of Multiple Coupled Oscillations</i>
<b>US Air Force</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First Team Award</b>	<b>\$1,500 each</b>	<b>Nathan Akhavan and Benjamin Joseph Goldman</b>	Rambam Mesivta High School	<i>Manufacturing an Improved Polymer Photovoltaic Cell Using Graphene and Graphene Oxide</i>
<b>United States Army</b>	<b>Award</b>	<b>Prize</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>\$3,000 in U. S. Savings Bonds</b>	<b>Neil Pathak</b>	Herricks Senior High School	<i>Polyfunctionalized Single-Walled Carbon Nanotubes as Novel Scaffolds for Multimodal Tumor-Targeted Therapy and Biological Imaging</i>