

LI Science & Engineering Fair, Inc.

Promoting Excellence in Scientific Inquiry and Discovery in LI Schools

LISEF 2014 Grand Award Winners

	Award	Name	School	Title
	First	Allison Mary Murphy	Sayville High School	Haplotype Variation in Banded Sunfish (Enneacanthus Obesus) from the Peconic River, Long Island, New York
	Second	Yianni Flouskakos	Garden City High School	High Fructose Corn Syrup Disrupts Circadian Rhythms of Drosophila Melanogaster
	Second	Noah White	Paul D Schreiber High School	An Analysis of the Population Densities of Pterois Volitans Around Day-Mooring Sites in St. Croix, USVI
	Third	William Averell Engellenner	Smithtown High School East	A 15-Year Longitudinal Study of the Impact of Marine Ecotourism on Antarctic Penguin Populations
	Third	Catherine Feldman	Smithtown High School West	Phylogenetic and Dietary Signals in the Dentition and Mandible of Carnivora (Mammalia, Placentalia): A Geometric Morphometric Approach
	Third	Evangeline A Giannopoulos	William A. Shine Great Neck South High School	The identification of novel Runt and Even-Skipped transcriptional co-factors in Drosophila melanogaster
Animal Sciences	Third	Brandon J Yu	Herricks High School	Human Breast Milk Protein (rhMFG-E8) Reduces Autophagy and Apoptosis in Nutrient Deprived Cells
				Assessing the Resistance

Honorable M	MaryAnn Boyce	South Side High School	of Feathers with Melanin-Based and Red Carotenoid-Based Pigmentation to Bacterial Degradation
Honorable M	Rhea Fogla	Manhasset High School	The Role of Complement Component 3 (C3) Deficiency in Ischemic/Reperfusion Injury of Cardiac Mice Tissues
Honorable M	Charlie Friedfeld Friedfeld	Lynbrook Senior High School	A Novel Method for Investigating Memory and Social Behavior; Determining the Effects of Arbaclofen and Minocycline on Wild Type and Fragile X induced Drosophila melanogaster
Honorable M	Kevin Alexander Marino, Sumaiya Iqbal Chowdhury	Brentwood High School	Is Bigger Better: Algal capture rates in the marine invader, Crepidula fornicata.
Honorable M	Jacob Strieb	Huntington Union Free School District	The effects of sleep deprivation on the activation of transposable elements in Drosophila
First	Justin C Lafazan	Syosset High School	A Comprehensive Study of Dollar Hegemony, Quantitative Easing, and the Foreign Exchange Market
First	Hannah Frankie Stewart	Plainview Old Bethpage JFK High School	Host Preference of Wild Northern and Southern Ixodes scapularis
Second	Trisha Chabria	Plainview Old Bethpage JFK High School	The Effects of Perceived Responsiveness and Egotism on Aggression
Second	Jessica Danielle Graber	William A. Shine Great Neck South High School	Evolution of Learning Motivation: How Standardized Testing Scores Influence Elementary School

				Students
	Second	Jaclyn Nicole Schess	Syosset High School	The Relationship Between Statewide Demographics and Organ Donor Registration Rates
	Third	Matthew Brandon Goldman	Plainview Old Bethpage JFK High School	The Impact of Text State and Generational Disparity on the Visual Attentiveness and Refractory Period of Refocusing to External Stimuli
	Third	Arielle Cole Heiman	Plainview Old Bethpage JFK High School	The Use of Congenital Amusia Assesments as Early Predictors of Dyslexia
	Third	Justin Law	Plainedge High School	Cereal Killers : Market speculation and its impact on global cereal prices and availability
Behavioral and Social	Third	Isabel Ren	Plainview Old Bethpage JFK High School	The Effect of Emotion Regulation on Impulsivity Across Cultures
Sciences	Third	Radhika Viswanathan	William A. Shine Great Neck South High School	The relationship between demographic characteristics and the motivations to volunteer in free or charitable clinics
	Honorable M	Michaela Ann Gawley	Paul D Schreiber High School	The Relationship Between Comorbidity, Symptom Severity, and Insight in Individuals with Obsessive-Compulsive Disorder
	Honorable M	Samantha Rose Ingenito	Bethpage High School	The Effect of the Audience's Authority on Social Facilitation
	Honorable M	Olivia Kung	Roslyn High School	To Participate or Not To Participate: The Effect of Pre-Paid and Post-Paid Incentives on Participation Rates
				The investigation of music's effects on

	Honorable M	Mary Elizabeth Leibold	Locust Valley High School	memory and the effectiveness of music therapy in human's with the use of Danio rerio research and its ability to aide Alzeihermers's patients
	Honorable M	Alia Suresh Sani	Paul D Schreiber High School	Infant Activity Level and its Effects on Learning Words
	Honorable M	Timothy Richard Sarro, Isaiah Noel Paige	Valley Stream North High School	The Effect of Classroom Integrated Technology on High School Student Motivation
	Honorable M	Bianca Rose Wyman	Smithtown High School West	The Effect of Personalized Music on Agitation Among Alzheimer's Patients
	Honorable M	Barry Austin Yang	Roslyn High School	A Rising Dragon in American Politics: Predictors of Chinese American Political Participation and Voting Behavior
	First	Ken Aizawa	Jericho High School	Interrogating SGK3 function in cancer
	Second	Abhinav Talwar	Herricks High School	Evaluation of the Nitric Oxide Generating Capability of the Giant Multimeric Hemoglobin from Earthworm (LtHb): a potential blood substitute candidate
	Third	Monica Beth Beeferman	John L. Miller Great Neck North High School	Intracellular Crosstalk in Protein Aggregation of E. coli Cells
Biochemistry	Third	Abrar Ali Nadroo	Syosset High School	Elucidation of the Role of Reactive Oxidative Species (ROS) in TGF-Î ² 1 Activation of TRPV1 in the Corneal Keratocyte
	Honorable M	Priya Alagesan	Manhasset High School	Defining Region-Specific Interactions of The Leading Edge Protein Complex in Saccharomyces cerevisiae

	Honorable M	Andrew Perry Kurland	Cold Spring Harbor High School	Impact of Nutrition on Drosophila Metabolic Responsiveness in obesity and ageing
	Honorable M	Sarah Aviva Rokhlin	Oceanside High School	Analysis of the spontaneous aggregation of wild type and disease-causing mutations of superoxide dismutase
	First	Ritayan Chakraborty	Syosset High School	AID and its Role in Reliving the Promethean Dream
	First	Scott Massa	Commack High School	Alzheimer's Disease: The Effect of Neuregulin1/ErbB4 Back Signaling on γ-secretase Production
	Second	Christopher Joseph Giuliano	Hauppauge High School	A Proposal of a Novel Molecular Mechanism Capable of Explaining Current Behavioral Epigenetic Phenomena
	Second	Ravina Jain	Herricks High School	Barentsz at the Interface: A New Mechanism for Intercellular Adhesion in Neuromuscular Junctions
	Second	Aneri Kinariwalla	Sayville High School	Coordinating Angiogenesis and Osteogenesis in Stem Cell Differentiation
	Third	Eda Algur	Smithtown High School West	Immortalizing primary murine microglia: developing a new tool for in culture multiple sclerosis studies
	Third	Anuhita Basavaraju	Jericho High School	Zip1 M region phopshorylation patterning: Implications for effective meiosis
	Third	Aakash Viren Jhaveri	The Wheatley School	APOL1 Risk Variants Enhance Necrotic Cell Death in Podocytes by Increasing Lysosome Membrane Permeability
Cellular and				Differential gene expression dependent on

Molecular Biology	Third	Preeti Kakani	Jericho High School	neural activity in developing mouse visual and somatosensory systems
	Third	Kuan Yu	The Wheatley School	Hericium erinaceus Mitigates Rotenone Induced Oxidative Stress and Neuro-degeneration: A Purification of Bio-Active Compounds Used to Treat Parkinson's disease
	Honorable M	Christopher John Lastihenos	Half Hollow Hills High School East	Towards the Development of an Inducible FAN1 Knockout Cell Line for the Study of Interstrand Crosslink Repair
	Honorable M	Shweta Lodha	Herricks High School	Glucose Compromises the Permeability of the Glomerular Basement Membrane Through Vitamin D Receptor Degradation
	Honorable M	Lindsey Nicole Stevens	East Hampton High School	What effect does the quantity and distribution of Tuft Cells have on the stages of pancreatic ductal adenocarcinoma
	Honorable M	Julia Zeh	Paul D Schreiber High School	Assessment of 16S primer sequence variation on DNA barcoding accuracy
	Honorable M	Kimia Ziadkhanpour, Nicolette Almer	Plainview Old Bethpage JFK High School	The Effect of Titanium Dioxide Nanoparticles on Proliferation, Differentiation and Cellular Functions of Stem Cells
	Honorable M	Kara Zielinski	Oceanside High School	A novel role for the KASH-Domain Protein Klarsicht in Integrin and Microtubule Regulation
	First	Matthew Leong Chun	Jericho High School	Stoichiometric Laser-Induced Breakdown Spectroscopy for Simple and Cost-Effective Laser Material Fabrication: A Case Study of Polycrystalline Yttrium Aluminum Garnet Ceramics

Second	Kevin Fitzgerald White	North Babylon High School	Using greenhouse gases to boost the Hydrogen economy: Bimetallic catalysts for dry-reforming of CH ₄
Third	Pavithran T. Ravindran	W Tresper Clarke High School	Crystallization Studies of Poly(ε-caprolactone)-Poly(ethylene oxide) blends
Third	Sachit Singal	Herricks High School	Chemical and Computational Biology Approach to Identifying the Binding Site of Novel Anti-Tubercular Agents Targeting Mtb -FtsZ
Honorable M	Reva llyse Butensky	Plainview Old Bethpage JFK High School	Evaluation of Novel Polyacrylamide Gel for Studies on Biological Redox Reactions
Honorable M	Jordan P Finzel	Kings Park High School	Quantification of Synthetic Cannabinoids in Herbal Samples with Nuclear Magnetic Resonance Spectroscopy
First	Joshua Michael Zweig	Commack High School	Diagnosis of Abnormalities in 3-Dimensional Mammograms via an Artificial Neural Network
Second	Jessy Lin	John L. Miller Great Neck North High School	A Visual Analytics Tool to Visualize Network Semantics by Querying the Web
Third	Daniel M Hanover	John L. Miller Great Neck North High School	Connectomics in the Human Brain from Large Invasive Neurophysiological Datasets
Honorable M	Aspyn Cole Palatnick	Cold Spring Harbor High School	iGenomics: Mobile DNA Sequence Analysis
		Smithtown	Data Sonification with the
	Third Third Honorable M First Second Third	Second Fitzgerald White Third Pavithran T. Ravindran Third Sachit Singal Honorable M Reva llyse Butensky Honorable Jordan P Finzel First Joshua Michael Zweig Second Jessy Lin Third Daniel M Hanover Honorable Aspyn Cole	First Joshua Michael Zweig Commack High School Third Daniel M Hanover M Hanover M Hanover M Hanover School Fitzgerald White School W Tresper Clarke High School Herricks High School Herricks High School Herricks High School Herricks High School Kings Park High School Kings Park High School Commack High School John L. Miller Great Neck North High School Third Daniel M Hanover Aspyn Cole Palatnick Cold Spring Harbor High School

	Second	Terry Wei	John L. Miller Great Neck North High School	Comparing the Back-projection Method of Analysis with the JMA HiNet catalogue using the 2011 March 11 Event to Determine the Effectiveness of Imaging Aftershocks
Earth & Planetary Science	Third	Harrison Li	Ward Melville High School	Multidecadal Changes in the Frequency and Ambient Conditions of Warm Season Convective Storms over the Northeastern United States
	Honorable M	Beatrice Lauren Brown	Bellmore JFK High School	Irene and Sandy… Oddity or Destiny? An Investigation of Factors Influencing Flooding Risks in the Long Island Area
	Honorable M	Kathryn Rose Maupin, Jasmin Chevon Sylvia, Hifza Mateen Malik	Sachem High School East	Study of Halobacterium in a Martian Environment
	First	Jessica Kim, Andrew Moshova	Manhasset High School	Comparison of Organized and Randomized Multilayer Nanofilms
				New Methods for the
	Second	Bailey Liao	Half Hollow Hills High School West	Prediction of Carbon Nanostructures and Their Application Towards Optimizing Electron Transfer Rates in Dye Sensitized Solar Cells
Energy & Transportation	Second Third	Bailey Liao Liana He	Hills High	Prediction of Carbon Nanostructures and Their Application Towards Optimizing Electron Transfer Rates in Dye

	First	Robert Joseph Myrick	Sewanhaka High School	A System for the Prevention of Vehicular Heatstroke
	Second	Mehtaab Singh Sawhney, David Li	Commack High School	Impact of the Location of a Solar Cell, in Relationship to the Focal Length of a Fresnel Lens on Power Production.
Engineering: Electrical & Mechanical	Third	Matthew William Brandes	Paul D Schreiber High School	Prototype design of a self-contained mechanical system to sense minimal water intrusion in residential structures and a study of its effectiveness.
	Honorable M	Jake Eskenazi Kritzberg, Andrew Robert Luisi	Long Beach High School	Evaluating the Utilization of Resistive Wire for Deicing Modern Composite Airplane Wings
	Honorable M	Avery Rubin	North Shore Hebrew Academy High School	Building a Human Breath Emulating Machine
	First	Harry Paul	Paul D Schreiber High School	Growing Spine Implant and Test Method
	Second	Justin Matthew Cheung	Commack High School	Gold Nanoparticles: Efficient Synthesis of Catalytically Active Nanoparticles using a One-Pot Method
	Second	Allison Chowdhury,	The	Functionalization of Gold Nanoparticles as Drug
		Greta Huang	Wheatley School	Delivery Agents for Treatment of Cryptococcosis
	Third			Treatment of

			High School	Poisoning in the Commonly Used Platinum Membrane
	Third	Aron Edward Coraor	Huntington Union Free School District	Ferroelectric Photocatalysis of Hydrolysis Utilizing Novel PbTiO3-SrRuO3 Superlattices
Engineering: Materials & Bioengineering	Third	Samantha Paige Novotny	Half Hollow Hills High School West	Matching Mechanical Properties of Porous Polycaprolactone (PCL) Scaffolds to Mature Human Articular Cartilage: A Model for Cartilage Repair
	Third	Eric C. Zhang	Ward Melville High School	Modulation of Shear-Induced Platelet Sensitization with Adenosine Diphosphate and Diadenosine Tetraphosphate
	Honorable M	Paige Skylar Botie	Half Hollow Hills High School West	Controlling Anti-Thrombogenic Properties of Polymer Surfaces through Sterilization Techniques for the Development of Safer Medical Device Implantation
	Honorable M	Aaron Gochman	Sanford H. Calhoun High School	Titanium Dioxide Nanoparticles: An Effortless Path for Staphylococcus aureus to Infect Cells
	Honorable M	Sharon Lam	Syosset High School	Three-Dimensional Representation of Functionally Identified Cat Pre-Bötzinger Complex Sites
	Honorable M	Allison Lee	Hauppauge High School	Mechanical Destruction of Bacteria Utilizing Graphene, Graphene Oxide, as well as Phase Separated Polymer Blends
	Honorable M	Lauren Michelle Perry	The Wheatley School	Realistic Tissue-Simulating Solid Hemoglobin-Containing PVA Phantoms for Optical

				Spectroscopy
	Honorable M	Divya Guddati Rao	Half Hollow Hills High School East	A Novel Microfluidic System for Enzyme Mediated Oxygen Attenuation as an in vitro Hypoxic Cell Culture Model
Environmental Management	First	Emma Jing Dong, Caitlin Noelle McCormick, Grace Karen Lee	Manhasset High School	A Model Approach to Harvesting Energy from a Marine Environment: The Engineering of Sediment Microbial Fuel Cells with a Modified Catalyst and Diffusion Layer
	Second	Steve Daikai Zheng	Jericho High School	Synthesis of a Novel Metal Organic Framework ($C_{24}H$ $_{24}CuF_6N_4O_3Si$) for Gas Adsorption
	Third	Theo Lauren Gibbs	Ward Melville High School	Highly Permeable Nanofibrous Membrane for Membrane Distillation: Fabrication and Applications
	Honorable M	Michael Joseph Cassano	Garden City High School	Utilizing Phylogenetic Tree Rendering for Preserving the Biodiversity of Plant Species in Native Grasslands
	Honorable M	Arielle Jillian Mcmanus, Chandler Julianne McMillan, Jamie Lauren Morgenstern	Long Beach High School	Can varying the amounts of polyvinyl in hydrogels and varying the contact time between hydrogel and ion solutions lead to increased adsorption of nitrates and phosphates?
				Investigating the year of
	First	Varsha Venkatesh	Jericho High School	Investigating the use of Plant Xylem from Angiosperm Wood Species as Organic Water Filters
	Second	Albert Kim	Manhasset High School	Environmental Toxins, Oxidative Stress, and Mitochondrial Dysfunction in HTB-11 cells: New Approach to Alzheimer's Disease

				Therapy
	Second	Benjamin H November	Bellmore JFK High School	Measurement of Leaf Properties to Improve the Parameterization Used by Earth System Models to Estimate the Maximum Capacity for CO ₂ Uptake in the Arctic
	Third	Raysa Theresa Bousleiman	Locust Valley High School	Mitochondrial DNA Control Region of Carcharhinus longimanus Reveals Population Subdivision and Low Genetic Divergence
Environmental	Third	Sara Ephesia Mikovic, Meredith Catherine Wardell, Emily Rose Brown	Babylon Jr-Sr HS	The effect of apricot kernels, a proven natural pesticide, on the growth of Phaseolus vulgaris and Cynodon dactylon
Sciences	Third	Chelsea Ramjeawan	Uniondale High School	WASTEWATER CLEAN-UP: Carpobrotus edulis Adsorbent of Industrial Pollutants
	Honorable M	Jared Katzen	Syosset High School	Utilizing Cyphoma gibbosum and Diadema antillarum As Early Indicators of Change Within the Bacalar Chico Marine Reserve's Reef Ecosystem
	Honorable M	Anja Schaefer Kenagy	Half Hollow Hills High School East	Elucidation of a Relationship between Total Mercury Concentration and Condition Factor in Menidia menidia as a Consequence of Latitude-Dependent Growth Patterns
	Honorable M	Dominick Prudente	Oceanside High School	Assessing the Affects of Hurricane Sandy: Increased Nutrient Loading from the Bay Park Sewage Treatment Plant
	Honorable M	Leslie Nicole Toohey	Oceanside High School	An Analysis of Growth Rates and Nitrogen Uptake in an Abundant Seaweed in Jamaica Bay,

				New York
Mathematical Sciences	First	Sarah Alyse Jacobs, Luke Matthew Farrell	Hauppauge High School	A Regional Analysis of Twitter as an Effective Means to Monitor the Spread of the 2012-2013 Influenza Epidemic In the United States
	Second	Jimin Kong	Syosset High School	Proving the Rational Numbers Countable
	Third	Richie Lee	Jericho High School	Creation of a Novel, More Powerful Test for Normality
	Honorable M	Akilesh Nagasai Tangella	Ward Melville High School	Generalized Closed Form Equations for Modeling Blood Platelet Geometry
	First	Lelina Chang	William A. Shine Great Neck South High School	Investigating the Role of Lymphocyte Osteopontin (OPN) in the Progression of Obesity
	First	Kanav Gupta	Jericho High School	Quizartinib (AC220) reverses ABCB1- and ABCG2- mediated multidrug resistance (MDR)
	Second	Rachel Lauren Mintz	Roslyn High School	The Influence of Magnesium Deficiency and Cisplatin on Oxidative Stress in Kidney Epithelial Cells
	Second	Matthew Mark O'Connell	Commack High School	Overcoming Language Barriers and Poor Health Literacy: A Computer Application to Relay Pharmaceutical Information through Pictograms
	Second	Simon Levi Shapiro	Paul D Schreiber High School	Preferential Genetic Expression in Regions Susceptible to Vulnerability in Alzheimer's Disease
	Third	Stephanie Badir	Commack High School	New York State School Nurses' Comfort and Knowledge Caring for Students with Diabetes Mellitus: A Cross Sectional

				Study
	Third	Samara Ford	Valley Stream North HIgh School	An Examination of the Concordance Between the Patient Self Report and the Medical Record
Medicine & Health Sciences	Third	Kavita Gera, Ayyan Shakil Zubair	East Meadow High School	Designing a Comprehensive Survey to Aid in the Effective Diagnosis of Celiac Disease
	Third	Thomas M Keady	South Side High School	Association Testing on an Aggregate of Case-Control Cohorts Identifies Novel MPN Risk Loci
	Third	Noshin Khan	Central Islip HIgh School	The Effect of Sevoflurane on Currents Through Heteromeric α1β Glycine Receptors
	Third	Joseph Christian Schindler	Oceanside High School	The Role of Macrophage-Derived IGF-1 in Lipolysis
	Honorable M	Justin Neel Borczuk	The Wheatley School	Validation of Protein Expression of the 8q Amplicon in Ovarian Carcinoma
	Honorable M	Alex Devarajan	Half Hollow Hills High School East	Ethyl Pyruvate Attenuates Systemic Inflammation Via Inhibition of Inflammasome Activation
	Honorable M	Shashank Gupta	Ward Melville High School	Analysis of Hemichannel Functionality to Determine the Mechanisms by Which GJB2 Mutations Cause Cx26 Associated Syndromic Deafness
	Honorable M	Evan Michael Hochhauser	Half Hollow Hills High School West	Examining Shear Stress Stimulated Endothelial Cell Matrices as a Viable Model for ex vivo Neural Stem Cell Production
	Honorable M	Tazim Sameer Merchant	Locust Valley High School	Strain/PV/M: A Novel Index of Myocardial Contractility Based On Non-Invasive CMR
			Smithtown	The Genetics of

	Honorable M	Nallammai Muthiah	High School East	Runt-Mediated Transcription Regulation in the Drosophila Embryo
	Honorable M	Meghana Nyapati Rao	Massapequa High School	The modulation of Keratinocyte Growth Factor (KGF) via sex steroid ablation and its effect on thymopoiesis
	Honorable M	Alan Yinong Wei	Ward Melville High School	Impact of Brief Visual Deprivation on Cortical Inhibitory Neuron Activity
				Host-specific binding of
	First	Amy T Xu	Jericho High School	ClfB in Staphylococcus aureus nasal carriage, year 2
	Second	Neil Mathew Thivalapill	William A. Shine Great Neck South High School	Design, Synthesis, and Testing of Novel Inhibitors Against InhA in Mycobacterium tuberculosis
	Third	Matthew Tyler Menold, Peter Ludvig Davis	East Hampton High School	Attractive Properties of Western Harvester Ants to Distinct Isolates of Entomopathogenic Fungi: Beauveria bassiana and Metarhizium anisopliae
Microbiology	Third	Stephanie Ying	Manhasset High School	Elucidating the interactions between the envelope glycoprotein gp41 of HIV-1, gC1qR and C1q: Relevance to HIV-1 pathogenesis
	Honorable M	Stephanie Morgan Gavin	Sachem High School East	Towards the Pevention of Tooth Decay: Synergistic Effects of Phytochemicals on Inhibition of Streptoccocus mutans Biofilm
	Honorable M	Cristina Bridget Lai	William A. Shine Great Neck South High School	Characterization of the Mechanism and Inhibition of Yersinia pestis FabV through Mutational Studies
	Honorable M	Emily Rose Mozdzer, Jessica Sydney Mero	Garden City High School	Chemotactic Responses to Artificial Sweeteners in Tetrahymena themophila.

Physics and Astronomy	First	Luhong Li	John L. Miller Great Neck North High School	Velocity Gradients in Relation to Spatial Scale of Star-Forming Dense Cores in the Perseus Molecular Cloud
	Second	Justin Samuel Calamari	Paul D Schreiber High School	Modeling Placental Networks Using Optimal Transport Paths
	Third	Kevin Reis Chaves	Kings Park High School	Analysis of Long-Term Muon Flux Data at Sea Level and a Novel Muon Detector Design
	Honorable M	Kevin Li Huang	Jericho High School	Fringe E-Fields of Flat and Cylindrical Deflectors and a New Proposal for the Proton EDM Experiment
	Honorable M	Ganesh Ravichandran	W Tresper Clarke High School	Optimization of the False Positive Probability Analysis of Kepler Planetary Candidates
Plant Sciences	First	Clara Sava-Segal	John L. Miller Great Neck North High School	The Expression and Regulation of Aq BANQUO in Aquilegia
	Second	Katherine Vera	Farmingdale Hlgh School	Cell-To-Cell Trafficking: Plasmodesmata-Located Proteins Influence Phenotype In Arabidopsis
	Third	Ishmael Rahim	Brentwood High School	Under cover: Nutrient, temperature, and salinity stressors on aquatic floating plant performance
	Third	Mahesh Tiwari	Floral Park Memorial High School	Testing the Stimulatory Effects of Richeria grandis
	Honorable M	Ayman Noor Haider, Michael Ian Green, Stephen Ng	GW Hewlett High School	Novel FyPP Protein Phosphatase 2A with Puroindoline B Domain Binds to Phytochromes in Ceratopteris richardii
	Honorable M	Ali Saad-Eldin, Kevin Saravia, Saad Faruque	Smithtown High School West	Benthic Barriers: An investigation of erradication methods of Variable Leat watermilfoil,

Myriophyllum heterophyllum