

SSEF andISEF Finalists 2013

School	Category	Project Title	FN1	LN1	Grade	ISEF
George Washington Carver	Environmental Sciences	Fishin on a Mission	Laura	Stieghorst	8	
Blessed Trinity School	Engineering: Materials and Bioengineering	Can Our Brainwaves Move Robotic Equipment?	Daniela	Rodriguez	7	
Winston Park K-8 Center	Animal Sciences	Does protien affect Procamburus alleni growth rate?	Bryce	Porter	7	
Winston Park K-8 Center	Environmental management	Seaweed vs. Charcoal	Kevin	Sanchez	8	
Ruth K Broad/Bay Harbor K-8	Energy and Transportation	Your New "Hot" Cell Phone	Cameron	Behar	7	
Norman S. Edelcup/Sunny Isles	Biochemistry	Universal Water Conservation Plan: Greywater Irrigation	Daniel	Rub	8	
Winston Park K-8 Center	Physics and Astronomy	Fletching Accuracy	Caprice	Cuellar	8	
Ruth K Broad/Bay Harbor K-8	Animal Sciences	Macaque Feeding Behavior	Kailani	Barreras	7	
Jorge Mas Canosa Middle	Computer Science	Mineral Oil Submerged P.C.	Nicholas	Holeyfield	6	
Ada Merritt K-8 Center	Computer Science	Machine Learning with Remote Sensing in Robotic Systems	Robert	Zoeller	7	
Westminster Christian	Behavioral and Social Science	At What Point in Time Will Children Cheat on a Game?	Ashley	Diaz	9	
Westminster Christian	Environmental Sciences	A Novel Use of Copaiba paupera on the Inhibition of Aspergillus niger and Fusarium oxysporum	Tiana	Fernandez	9	
Westminster Christian	Cellular and Molecular Biology	Utilizing Autoinducers and E.coli to Investigate Quorum Sensing in novel Mucin-Degrading Bacterium A. mucinophila	Gabrielle	Argimon	10	
Aventura Waterways K-8 Center	Medicine and Health	Most Water-resistant Adhesive for Diabetic Insulin Pumps	Maya	Levy	8	
Jose Marti Mast 6-12 Academy	Engineering: Electrical and Mechanical	Vertical Axis Wind Turbine Farm Efficiency Based on Schools of Fish in Nature	Yenny	Dieguez	9	Yes
Gulliver Prep	Animal Sciences	Origin and Recovery of	Chandler	Precht	11	
Dr Michael M Krop Senior High	Environmental management	The Effects of Fire on the Species Richness and Density of Macro-invertebrates in a Seasonally Aquatic Wetlands Ecosystem	Jamie	Odzer	11	Alt

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Archimedean Upper Conserv Char	Environmental management	Impact of Chlamydomonas reinhardtii in Removing Nutrients from Artificially Polluted Water	Vaidya	Govindarajan	9	
John A Ferguson Senior High	Medicine and Health	A Thrombogenic Assessment of Novel Biomaterials for use in an Intravenous Magnetic Valve Access Device	Ashwin	Bhat	11	Yes
John A Ferguson Senior High	Physics and Astronomy	Optimizing Wireless Power Transfer Systems: An Investigation of the Parameters Affecting Wireless Power Systems	Sanchit	Bhattacharjee	11	
Archimedean Upper Conserv Char	Microbiology	Finding novel alginate genes for better management of infection in cystic fibrosis patients	Shiva	Kangeyan	11	Yes
Archimedean Upper Conserv Char	Environmental Sciences	Using microbial source tracking to assess impacts of seaweed debris on beach and water quality	Aditya	Shetty	11	
Hialeah Senior	Environmental management	Alum's Effect on Total Suspended Solids	Katrina	Montane	11	
Terra Environmental Research	Biochemistry	Mitochondrial DNA Variation in Three Historical Provinces of Tibet	Kristina	Rodriguez	12	
North Miami Beach Senior High	Biochemistry	Purification of toxic compounds in <i>Cylindrospermopsis raciborskii</i> and its effect on the zebrafish (<i>Danio rerio</i>) embryo	Eyleen	Izaguirre	12	
Coral Reef Senior High	Biochemistry	Application of Osmotic Regulation in Purifying Nuclear Proteins	Jialin	Zhang	12	Yes
Westminster Christian	Physics and Astronomy	A Novel Way to Reinforce Ballistic Vests Against High Powered Rounds	Clint	Chilson	10	
Westminster Christian	Chemistry	Synthesis of Peptide Modified CU ₂ O Nanoparticles Used in the Photocatalytic Degradation of Dyes	Robert	Goodin	10	
North Miami Beach Senior High	Cellular and Molecular Biology	Using Viral Nanobots to make Designer Genes	Valine	Desronvil	11	
North Miami Beach Senior High	Medicine and Health	Analysis of Plasma Levels of Soluble CD14 as a Measure of Immune Activation in HIV infected individuals pre and post-cART and its association with virologic and immunologic markers.	Stephanie	Nolasco	11	