

## High School

School	Category	Special 1	Special 2	Special 3	Pro Title	FN 1	LN 1	Grade 1	FN 2	LN 2	Grade 2
Christopher Columbus High School	Plant Sciences	<b>Budding Scientist for Plant Restoration and Conservation</b>			Does salt accumulate in the fronds of the mangrove palm <i>Nypa fruticans</i> ?	Alexander	Fernandez	11			
Dr. Michael M. Krop High	Mathematical Sciences	<b>Mu Alpha Theta</b>	<b>FOSF</b>		Eminem has Entropy	Thomas	Blachman	12			
Dr. Michael M. Krop High	Environmental management	<b>NOAA</b>	<b>Genius Olympiad</b>		The Impact of Varying Productivity Levels on Abundance and Feeding Patterns of <i>Callinectes sapidus</i> : What does Blue Crab Behavior tell us About Everglades Restoration?	Jamie	Odzer	10			
Dr. Michael M. Krop High	Computer Science	<b>Intel Computer Science</b>			PHP and MySQL E-Learning Solution to Improve Reading and Math Skills	Prateek	Sachdeva	12			
Dr. Michael M. Krop High	Behavioral and Social Science	<b>APA</b>			The Relative Effectiveness of E-Learning in Teaching Students with Learning Disabilities as compared to Traditional Learning Methods	Marc	Vernick	12			
Felix Varela Senior High	Environmental Sciences	<b>SJWP</b>			Examining the Bioavailability of Mangrove Leachates of Shark River Slough	Cindy	Saenz	12			
Homestead Senior High	Engineering: Electrical and Mechanical	<b>SECME award</b>			Rockets	Diego	Alva	9			
Intrnl Studies Prep Academy	Environmental Sciences	<b>SJWP</b>			Bioindication with Gammaridae of Two Freshwater Canals	Andrea	Villa	10	Samantha	Kassner	10

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John A. Ferguson Senior	Engineering: Materials and Bioengineering	<b>ASM</b>			How the voltage across a piezoelectric material changes with varying pressure and temperature	Sanchit	Bhattacharjee	10			
Miami Killian Senior High	Cellular and Molecular Biology	<b>NAACP</b>			The effect of the placement of mismatches between a DNA primer and a DNA template on the strength of the bond during Polymerase Chain Reaction	Swati	Narasimhan	9			
Miami Northwestern Senior High	Earth Science	<b>NAACP</b>			Ground Zero	Alexander	King	10	Raymond	Pache	10
North Miami Beach Senior High	Plant Sciences	<b>NAACP</b>			To Grow or not to Grow	Dorothy	Alexis	9			
North Miami Beach Senior High	Engineering: Electrical and Mechanical	<b>SECME award</b>			Hurricane Spoilers, Part III	Abigail	Ayers	11			
Robert Morgan Voc/Tech	Engineering: Electrical and Mechanical	<b>US Navy Award 1st</b>			Exoskeleton Arm Endurance	Robert	Shively	10	Eric	Gonzalez	10
South Miami Senior High	Plant Sciences	<b>US Air Force</b>	<b>Dr. Benjamin Cole Award</b>		Does Vitamin B-Complex Affect the Growth of Cachucha Peppers	Rachel	Quintana	9			
Terra Env. Res. Institu	Environmental Sciences	<b>Agroecology Excellence Award</b>			Inoculation of Susceptible and Resistant Tobacco with Tobacco Mosaic Virus	Emily	Perez	11			
Terra Env. Res. Institu	Biochemistry	<b>DCSTA (BI)</b>			Mitochondrial DNA Haplogroup Analysis in Tibet	Kristina	Rodriguez	11			
Terra Env. Res. Institu	Cellular and Molecular Biology	<b>Society for in Vitro Bio</b>			An Inducible Transgenic Mouse Model to Investigate the Role of Sirtuin 1 in Osteoporosis	Ben	Troen	11			

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Westminster Christian School	Engineering: Electrical and Mechanical	<b>US Air Force</b>			Optimizing Efficiency of Coil Guns	Clint	Chilson	9			
Westminster Christian School	Environmental Sciences	<b>ISWEEEP-Recognition Award</b>			Flower Power	Allison	de Moya	9			
Westminster Christian School	Chemistry	<b>Agroecology Excellence Award</b>	<b>Yale Science Eng. Award</b>		The Electrochemical Effects of Saccarides on the Voltage Output of a Microbial Fuel Cell Using Penicillium Chrysogenum	Jack	Erdozain Jr.	11			
Westminster Christian School	Environmental Sciences	<b>SJWP</b>	<b>Genius Olympiad</b>		Effects of Ultraviolet Radiation on Enterococci Bacteria in South Florida Seawater	Robert	Goodin	9			
Westminster Christian School	Engineering: Electrical and Mechanical	<b>US Air Force</b>	<b>NSPE</b>	<b>ISWEEEP-Outstanding Sustainability</b>	Street Smart	Eric	Riehl	11			