

Category Awards by Place

Award	CertificateName School	Grade	Title	Teacher
Grand Award				
	Malini Mukherji Notre Dame Prep. High School	12	Increasing Pumped Storage Hydropower Flow Rate Using a Non-linear Penstock	Jocelynn Yaroch
	Samuel Maher Arthur Hill High School	12	Calculating Nephelometric Turbidity Units of Increased Suspended Solids in	Mark Hellebuyck
First Place				
	Neha Narayan Independant HS Student-no associated sch	10	Effectiveness of Homemade Activated Carbon Water Filter in Removing Pollutants	Joan Pence
	Madeleine Yang Detroit Country Day Upper	11	Incorporating Matrix Protein M2 in Influenza VLP to Improve Vaccine Production	Ross Arseneau
Second Place				
	Collin Wang Detroit Country Day Upper	11	Quantifying the Effects of Novel Mutations in Putative T2D Regulatory Loci	Gillian Vonseeger
	Sahil Suneja Detroit Country Day Upper	11	An Analysis of Weakly Nonlinear Systems	Harry Fried
	Devarshi Mukherji Notre Dame Prep. High School	9	Unraveling Alzheimer's Tau Aggregates using CyP40 - A Computational Study	Jocelynn Yaroch
	Salena Prakah-Asante Cranbrook Kingswood Upper School	11	Effect of Varying Solid Fuels on Indoor Air Pollution and Thermal Efficiency	Stephanie Kokoszka
Third Place				
	Alexander Wan Novi Senior High School	9	Using Deep CNNs and Feature Matching Algorithms for Smarter Autonomous Cars	James Didio
	Tony Pan University Liggett	12	LightScribe Graphene Supercapacitor	Shernaz Minwalla

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	Yujie Wang Troy High School	11	Development of GI-Sustainable Probiotic Targeting Obesity	Rebecca Brewer
	Josh Zhe Detroit Country Day Upper	11	Traffic Management of Autonomous Vehicles at Uncontrolled Intersections	Patricia Hanlan
	Akash Rathod Okemos High School	11	Investigating the role of biotic factors in host responses to rhizobia in Med	Dave Chapman
	Abdullah Umar City High Middle School	10	SMART Glasses model to assist visually impaired patients	Mr. David Reynier
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Fourth Place				
	Sai Anantapantula Northville High School	11	Protocol Identification Methodologies: A Comparative Study	Karin Nelson
	Zaid Haque Saginaw Arts and Sciences Academy	12	The Effects of Boron Compounds on Amyloid-beta 42 Plaque Aggregation: A New Th	Matthew Miller
	Alexander Mettler Detroit Country Day Upper	11	Great Lakes Initiative (Biodegradable, Sustainable, Edible Fishing Lure)	John Dougherty
	Bhuvna Murthy Huron HS	11	Biodegradable and Cost-Effective Sanitary Napkins	Andrew Collins
	Vihaar Nandigala Walled Lake Western High	9	Impacts of Catastrophes on Ecosystems and Survivability of Species	Laura Jennings
	Matthew Xiao Northville High School	10	Long non-coding RNA LINC00152 plays an oncogenic role via targeting MET and ST	Karin Nelson
	Marinos Bernitsas Northville High School	10	Adaptive Damping in Renewable Hydrokinetic Energy Harnessing	Karin Nelson
	Anirudh Cowlagi Huron HS	10	Maximizing Modern Solar System Production using MPPT and Algorithmic Diversion	Andrew Collins