

Name	Project Title	School
First Place		
Suvin Sundararajan	Analysis of the Manufacturing Process of D-Glucose-based Thermoformed Polymers	Westfield High School
Abigail Goyette	Concentration of Red Dye in Sports Drinks	Westfield High School
Second Place		
Isabella Baek	A New Space Filling Using a Domain Transformation Method	Northfield Mount Hermon School
Aiden Chisholm, Brendan Morrissey	A Statistical and Cost Analysis of Microbes from WHS Computers	Westfield High School
Dongyup Kim	A Theory for Ring Formation Around Asteroid Chariklo	Deerfield Academy
Xiandong Lin	A Wall-Climbing Hexapod Robot With Pneumatic Suction	Stoneleigh Burnham School
Emily Bone	Creating Bioplastic From Starch	Westfield High School
Catherine Morrissey, Elizabeth Regnier	Quantifying the Effect of a Rapid Temperature Increase on Coral Bleaching	Westfield High School
Driss Bourzgui, Kylie Taylor	Reduction of Atmospheric CO2 Using the Algae Scenedesmus and Ulothrix	BArT Charter Public School
Evelyna Legkoduks	Testing Bridge Strength Based on Bridge Span	Westfield High School
Emilie Pease, Mackenzie Rae	The Effect of Using App Functions on a Cellular Electromagnetic Field	Westfield High School
Abby Menzel, Emma Petzold	The Effects of Homemade Water Filters	Westfield High School
Ellen Jury, Nina Prenosil	Using Daphnia Magna to Examine Water Acidity	Westfield High School
Trisha Boonpongmanee	Using Fourier Analysis to Distinguish Pancreatic Cysts	Deerfield Academy
Third Place		
Abigail Webster	A Real Slip-Up	BArT Charter Public School
Daniel Cui	Computer Vision-based Characterization of Monoscale Lamina	Deerfield Academy
Nicholas Stathatos, Stephanie Sgueglia	Concrete's Strength Lies in Aggregate	Westfield High School
Rohan Shenoy	Creating a Human Powered Flashlight	Amherst Regional High School
Abigail Scholl, Brianna Martinez	Do You Like Music? Your Plant's Might Too!	BArT Charter Public School
Stefan Goretskiy	Injection of Oryzalin: Transformation of Daylilies into Tetraploids	Westfield High School
Yana Chumakova	Piezoelectricity	Westfield High School
Charles Przechocki	Scientific Study of Adhesives as a Theadlocker Alternative	Westfield High School
Imma Kayzakian	The Effect of Wireless Fidelity on Planarian Regeneration	Westfield High School
Trent Stucenski	The Extension of Time Before Growth of Mold on Food via Silica Gel	Westfield High School
Tetyana Shvyryd	The Time it Takes Painkillers to Dissolve in the Stomach	Westfield High School
Anthony Suhocki	What Cleaning Solution is Best for Disinfecting Wrestling Mats	Westfield High School
Zachariah Gravel-Blaney	Wi-Fi Signal Strength: Obstructed and Measured	Westfield High School
Honorable Mention		
Grace Krzanik	Archery Techniques: Determining the Best Arrow to Penetrate a Target	BArT Charter Public School
Kayla Berry	Blood Spatter Analysis	BArT Charter Public School
John Kozak	Building a Better Tabinet (Table-Cabinet)	BArT Charter Public School
Ziang Edward Pan	Comparison of Reading Literacy Between Chinese and Americans	Northfield Mount Hermon School
Yuxuan Billy Bao	Effects of Different Training Sets on Image Classification	Northfield Mount Hermon School
Amy Racela	Let 'Em Worm	BArT Charter Public School
Nicholas Duncan, Stephen Hinck	Multi Scale GPA Conversion Calculator	Westfield High School
Jiho Shin	Programmable Water Bottle Heater from Arduino and 3D Printing	Miss Hall's School
Cloey Parlapiana	Reef Safe SPF 30 Sunscreen	Taconic High School
Conroy Casey	Table Salt: Surprisingly Complex	BArT Charter Public School
Nicole Servetnik	The Efficacy of Storage Methods on Proteins	Westfield High School