

Grades 7 - 12 Project Category	Prize	Student's First Name	Student's Last Name	Grade	Title of Project	School Name
Behavioral / Social Science	1	Joanna	Steinig	8	Interaction between brand equity and sensory preference.	Home Schooled
	1	Rujia	Zhang	10	Can Planaria Be Rescued from Drug Induced Depression	Central High School
	1	Brandon	Sharkey	11	The role of immersivity in VR Therapy for Pain	Central High School
	2	Madeline	Markham	7	Afterimages: The Science of Color and Light	St. Francis Xavier
	2	Hayden	Stephan	11	Don't Sleep on Saliva	Springside Chestnut Hill Academy
	3	Selena	Chen	7	What do your Facial Expressions Mean?	McCall School
	3	Larkin	Dhillon-Richardson	11	Does The Way You Wake Up Affect How Much You Remember of Your Dreams	Springside Chestnut Hill Academy
	HM	Ann	Maisuradze	7	Temperture vs. Knowledge	J.R. Masterman School
	HM	Starsheya	Taylor	8	Who Is Smarter	Bregy
	HM	Amelia	Jeoung	8	The A-maze-ing Race	Meredith Elementary
	HM	Kayla	McBride	8	What did you see	Philadelphia Academy Charter Elementary
	HM	Amaiah	Gullatt	10	Evolution of Friendship Groups over Time	Mariana Bracetti Academy
	HM	Hieu	Nguyen	12	Sleep-deprivation, stress, and cognitive ability	Central High School
Medicine / Health	1	Isaac	Schapiro	8	Flu Season-To Vaccinate or Not to Vaccinate That is the Question	Springside Chestnut Hill Academy
	1	Martha	Victoria	10	The X Bugs; Elploring the developing of antibiotic resistance bacterial mutant	G.W. Carver HSES
	1	Jada	Peters	12	A modern approach to melanoma	G.W. Carver HSES
	2	Igor	Avanesov	8	The Effects of Human Growth Hormone on Planarian Regeneration	C.C.A. Baldi Middle School
	2	Allison	Rossi	10	Does changing the size of arteries effect the blood flood?	Philadelphia Academy Charter High School
	2	Peter	Kapp	11	Does the location of defrosting meat affect bacterial growth	Springside Chestnut Hill Academy
	3	Jenny	Bui	7	Are Fingerprints Paterns In Inheritance	St. Peter's School
	3	Hailee	Maiden	10	Clawing their way to the top	Philadelphia Academy Charter High School
	3	Kianah	Watson	11	Which Acne Treatment Prevents the Growth o	Springside Chestnut Hill Academy
	HM	Fiona	Fuller	7	Sugar Rush	Penn Alexander School
	HM	Samar	Oubarri	8	How to OTC drugs effect planarian	C.C.A Baldi Middle School
	HM	Nicole	Meade	8	Lung Capacity	Philadelphia Academy Charter Elementary

	HM	Sheiny	Araujo-Feliz	10	Drug Reactions	Mariana Bracetti Academy
	HM	Michael	Morales	10	Powerade vs Gatorade	Mariana Bracetti Academy
	HM	Dimple	Patel	11	Effects of Antitumor drugs on Stem Cells	Central High School
	HM	Angel	Washington	11	Does Social Media Hold Clues to Health Status	Central High School
	HM	Briyona	Williams	11	The effect of usig and anti coagulant on coagulation	Frankford High School
	HM	Ekram	Ibrahim	11	Planarian regeneration in presence of chemicals	G.W. Carver HSES
Microbiology	1	Silas	Grasse	7	Is the 5 sec rule a real thing	St. Peter's School
	1	Charlie	Dang	10	Whats in your wallet?	Philadelphia Academy Charter High School
	1	Chinyere	Anucha	11	Evaluating Anti Body Responses	J.R. Masterman School
	2	Alessandra	Fusaro	7	Microbial Filtration using White Pine	St. Mary Interparochial School
	2	Brenda	Krishanwongso	11	CRISPR vs Bacterial transformation success rate	Central high School
	3	Justice	Blackburn	8	Where is the student really Safe?	The Philadelphia Charter School for the Arts and Sciences
	3	Emma	Yeatman	11	The Effect of P. Fluorescens on Pant Yield as compared to a Commercial Inoculant	Springside Chestnut Hill Academy
	HM	Andre	Charpentier	8	What is the Affect of Aeration on Yeast Metabolism?	McCall School
	HM	Amir	Muhammud	9	Mold Grows Old	Mariana Bracetti Academy
	HM	Nancy	Zhu	11	Do Principals of Ecology Yogurt Fermentation?	Central High School
	HM	Yuxuan	Zhang	11	The Relation between Nitrate and Marinated Time for Cabbages	Springside Chestnut Hill Academy
	HM	Shaina	Shakeel	12	Genetic Analysis of Recessive Genes in E Coli	Central High School
Physics	1	Miranda	Sweeney	8	Whoosh!	St. Mary Interparochial School
	1	Sabrina	Wang	10	The Electronic Viola: How does the Design and Materials Used to Make a Voila Affect the Sound it Produces	Springside Chestnut Hill Academy
	1	Amber	Tousett	11	Domino Effect	Mariana Bracetti Academy
	2	Brady	DeGrands	7	Dynamics of Vacuume Chamber	Penn Alexander School
	2	Alyssa	Smith	10	Join the Dark Side	Mariana Bracetti Academy
	2	James	Phillips	11	Quantum Levitation	Mariana Bracetti Academy
	3	Max	Guillot	7	Maximum Attraction	Meredith Elementary

	3	Michael	Wertz	10	Feel the Vibration	Philadelphia Academy Charter High School
	3	Joshua	Jones	11	Artist of Re-entry	G.W. Carver HSES
	HM	Bobby	Kelly	7	PS impact	Gen. H. LaBrum Middle School
	HM	Jiasheng	Shi	7	Can you truly survive home alone traps	St. Peter's School
	HM	Alexander	Sepe	8	How Does Angle of Butterfly Wings Affect Their Flight?	McCall School
	HM	Kaia	Grant	8	One Sticky Situation	St. Mary Interparochial School
	HM	Karoline	Lopez	10	The New and improved baseball	Northeast High School
	HM	Michael	Kates	11	Perpetual motion in machines and productions of electial energy	Philadelphia Academy Charter High School
Zoology	1	Namira	Nera	7	The Effect the Human Growth Hormones on the Regeneration Rate of Planaria?	C.C.A. Baldi Middle School
	1	Sarah	Edelson	11	The effect of ethanol and Caffeine on the on the rate of Planaria Regeneration Stages	Springside Chestnut Hill Academy
	2	Sunny	Liu	8	Could Wookies Cuddle to Keep Warm?	McCall School
	2	Sena	Houessou-Adin	11	What natural substances best repel fruit flies	Springside Chestnut Hill Academy
	3	Regan	Beaton	8	salty shrimp eggs	Cook Wissahickon
	3	Brittany	Ruiz	11	Is Memory Inherited	Central High School
	HM	Ye	Lin	7	How Does Your Age and Gender Determine Your Vocal Range	McCall School
	HM	Nirmal	Nelson	8	Green detergents v conventional detergents	C.C.A. Baldi Middle School
Team	1	Cameron	Scott	7	Effect of the SMK1 gene in pathogenic yeast	J.R. Masterman School
	1	Theo	Winter	7	Effect of the SMK1 gene in pathogenic yeast	J.R. Masterman School
	2	Helen	Li	11	Are Humans the Only Living Things That Use Radiowaves to Communicate	Central High School
	2	Yasmine	Mezoury	11	Are Humans the Only Living Things That Use Radiowaves to Communicate	Central High School
	2	Kejsi	Ruka	11	Are Humans the Only Living Things That Use Radiowaves to Communicate	Central High School
	3	Edwin	Lapp	7	Back Breaking Backpacks	Penn Alexander School
	3	Thomas	Moore	7	Back Breaking Backpacks	Penn Alexander School
	HM	Kevin	Culp	8	Placebo Effect	George Sharswood Elementary

	HM	Hol	Seng	8		George Sharswood Elementary
	HM	Bryce	Cohen	8	Melodious Mathematics	Meredith Elementary
	HM	Gavin	Koski	8		Meredith Elementary
	HM	Anna	Thomas	10	Mung beam?	Mariana Bracetti Academy
	HM	Yareliz	Burgos	11	Mung beam?	Mariana Bracetti Academy
	HM	Tahirah	Cooper	12	Effect of angle of impact on measurement of k	Frankford High School
	HM	Jalyce	Cotto	12	Effect of angle of impact on measurement of k	Frankford High School
Consumer	1	Gianna	Aregnano	7	Electrolye Effectivness	Nazareth Academy Grade School
	2	Tamyra	Turner	7	Battery Life	J.S Jenks Academy
	3	Kera	McCarthy	8	How The Cookie Crumbles	J.R. Masterman School
Biochemistry	1	Joshua	Behanan	7	Lets Go Bananas	C.C.A. Baldi Middle School
	1	Dru	Mclver-Jenkins	10	The Effect of Complex Crobohydrates Diets On Endurance in Mice During Exercise	Central High School
	1	Helen	Jiang	12	Myocardial Metabolit Changes in Diabetic non-Failing and Failing Hearts	Central High School
	2	Pheonah	Cybulski	7	What Were You Eggspecting?	Shawmont Elementary School
	2	Grace	Brown	9	Tasting the Enviornmental Adapability of Lactase Pills	Northeast High School
	2	Nadira	Walker	12	Denaturiom of Proteins through the process of Heat	G.W. Carver HSES
	3	Keith	Belton-Thompson	8	Salinity and its effect on brine shrimp reprodu	Cook-Wissahickon
	3	Sharif	Salim	9	5 Seconds or doom	Academy at Palumbo
	3	Jordan	Mitchell	11	How Do Fruit Flies Detect Their Food Without their Sense of Smell	Springside Chestnut Hill Academy
	HM	Amir	Kurbanov	8	Using Microbial Fuel cells to Create Electricity From waste	C.C.A. Baldi Middle School
	HM	Parmenus	Bowler	10	Battle of the Batteries	G.W. Carver HSES
	HM	Ansa	Khan	10	Electrolyte Challenge	Mariana Bracetti Academy
	HM	Valeryn	Valdez	10	Orange You Glad I didn't Rot	Mariana Bracetti Academy
Botany	1	Anthony	Molchansky	7	Different Concentration of Hydroponic Soutions	C.C.A. Baldi Middle School
	1	Amelie	Hernandez	9	Starch as fuel	G.W. Carver HSES
	1	Claire	Momjian	11	The Effect of Low Frequency Sound Waves on Banana Ripening	Springside Chestnut Hill Academy
	2	Alexander	Autieri	8	Zesty Peppers	St. Mary Interparochial School
	2	Nallely	Haj	10	Got Milk	Mariana Bracetti Academy

	2	Nahla	Turner	11	The Correlation Between Banana Ripeness, Color, and Sweetness	Springside Chestnut Hill Academy
	3	Dominic	DiFrancesco	8	Effects of pH on plants	Philadelphia Academy Charter Elementary
	3	Jose	Caraballo Jr.	10	Where is the Light At?	Mariana Bracetti Academy
	3	Benjamin	Seing	11	Benefits of Hydroponics	Science Leadership Academy
	HM	Jaida	Lazarus	7	Squeaky Clean plants	Gen. H. LaBrum Middle School
	HM	Francesca	Ellis	7	Is Fertilizer Worth It?	St. Mary Interparochial School
	HM	Tony	Zhang	8	Climber Civil War?	McCall School
	HM	Kamar	Cox	9	My Plant needs an Asprin	Philadelphia Academy Charter High School
	HM	Marc	Stokes	12	Stimulants and Depressants on Mung Bean Growth	G.W. Carver HSES
Chemistry	1	Maria	Calderon	8	The Effects of Hurricanes:Binder	C.C.A. Baldi Middle School
	1	Prem	Modi	9	The Production of Hydrogen by the Electrolysis of Water	Central High School
	1	Russel	Volosov	11	The Effect of Molarity and Temperature on Electroplated Metals	George Washington High School
	2	Luiza	Sulea	7	Particle size	J.R. Masterman School
	2	Meshach	Anderson	10	Fuel for the Future	G.W. Carver HSES
	2	Justin	Xin	11	Fermentation of Plants as Biofuels	Springside Chestnut Hill Academy
	3	Mya	Sulimay	8	OJ or Sports Drinks	St. Francis Xavier
	3	Yana	Mordvintseva	10	Controlling Crystal Growth Dynamics	Northeast High School
	3	Austin	Mathew	11	Natural antacids VS Synthetic antacids	George Washington High School
	HM	Harshita	Parmar	7	Liquids on Rusting Steel Wool	J.R. Masterman School
	HM	Anna	Miriello	7	What is the Fastest Method to cool a soda?	Our Lady of Hope
	HM	BRAYAN	Santos-Granado	8	Absorption	Eugenio Maria de Hostos charter school
	HM	Darshita	Patel	11	Effects of pH on Cranberries as a Natural Indicator	George Washington High School
	HM	Komai	Patel	11	Aisle 13 Allergy	Northeast High School
	HM	Miles	Roberts	12	Gushing Chemicals	G.W. Carver HSES
Computer Science	1	Joseph	Holahan	8	The Danger of Devices	St. Mary Interparochial School
	1	MaryElizabeth	Greeley	11	Access: Search Engine for the Visually Impaired	Central High School
	2	Harry	Murphy	7	Which apps use the most cell phone battery life	St. Peter's School

	2	Rowan	Goudy	11	The Effect of the Frequency of Mutation on the Evolution of a Simulated Population	Springside Chestnut Hill Academy
	3	Jacob	Chim	8	Do Different Password Combinations Affect How Quickly Your Password Will Be Correct	George Sharswood Elementary
	3	Mohammed	Algburi	11	How does the effect of Clock Speed on the performance of processors	Northeast High school
	HM	Christopher	Gallelli	8	The Best Phone Charging	St. Mary Interparochial School
Earth / Space Science	1	Angela	Basha	7	Can Styrofoam Become Biodegradable	C.C.A. Baldi Middle School
	1	Ethan	Israel	10	Water Vapor and Solar Radiation	Central High School
	1	Kara	Kniezewski	11	The Effects of Martian Soil Simulant on Radish Plant Growth IS IN 11 grade	Springside Chestnut Hill Academy
	2	Jason	Liu	8	Dissolves Mineral Content of Philadelphia Area Surface Water	McCall School
	2	Jerry	Arroyo	10	Space Pictures	Mariana Bracetti Academy
	2	Bern	Popky	11	Aliens on Earth--Could Halobacterium Survive on Another Planet?	Springside Chestnut Hill Academy
	3	Olivia	Piechoski	8	Temperatures of Compost	Cook Wissahickon
	3	Rachel	Treffeisen	9	Which weather source is the least wrong?	Philadelphia Academy Charter High School
	HM	Andrea	Ryan-Costas	7	R.I.P Boiled water you will be mist	Gen. H. Labrum Middle School
	HM	Matthew	Huot	7	Surf's up	Nazareth Academy Grade School
	HM	Zoe	Magee	8	Which Soil Absorbs the Most Water	Cook Wissahickon
Engineering	1	Laila	Johnson	7	Pain in the Knees	Penn Alexander School
	1	Cira	Diop	10	Devices for heat retention	G.W. Carver HSES
	1	Shehbeel	Arif	12	Cancer Diagnosis	Central High School
	2	Aleksander	Marku	8	Sound proof paint vs sound proof glue	C.C.A. Baldi Middle School
	2	Alina	Seing	10	The Propeller cars	Science Leadership Academy
	2	Omar	Swidan	12	Optimizing an Artificial Pollination using an RGB sensor and a convex lens	Central High School
	3	Maya	Mischler	7	The Ultimate Cube	Penn Alexander School
	3	Elizabeth	Velez	10	Compound microscope vs cell phone microscope	Mariana Bracetti Academy
	3	Sarah	Johnson	12	The Implementations and Impact of a Geo-tracking system	Wise and Pure Senior High School
	HM	Maja	King	7	The Bident	Penn Alexander School
	HM	Francisco	Ortiz	7	Squishy Robot	St. Francis Xavier

