

## 2018 Boston Public Schools Citywide/MA Region VI Science Fair Awards

Name of Award	Criteria	Prize P'mt	Proj #	Project Title	School	Awardee 1	Awardee 2	Awardee 3
<b>Special Awards</b>								
<b>INTEL Excellence in Computer Science Award</b>	HS Computer Science Project - \$\$ direct to student	\$200	403	Plant Disease Identification using Deep Learning	BLS	Kevin Qi		
<b>Optical Society of America</b>	HS Optics	\$150	39	Face Fits	EMK	Carlia Dabel	Jamir Sobers	Onasis Soto
<b>Northeast Branch American Society of Microbiology</b>	HS Microbiology	\$100	62	A Comparison of Meat Freshness Upon Different Thawing Methods	BLS	Daisy Wang		
<b>Bridges to Malawi</b>	Dr. Brian & Naomi Lisse	\$250	404	An effective solution to the clean water crisis in developing nations	BLS	Mariah Mansoor		
<b>BPS</b>	MS Promising Scientist Award	Medal	238	The Shelter House	McCormack	Katherine Monterroza		
			271	The Egg Parachute	Jackson-Mann	Juleici Febo		
			321	How wildfires affect soil	Dearborn STEM	Jerod Costly Chong		
<b>BPS</b>	HS Promising Scientist Award	Medal	44	Color Preference	Dearborn STEM	Anaiza Lyes		

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<b>TOP Awards</b>		High School MSSEF: MIT, May 4 & 5, 2018 Cambridge MA				Middle School MSSEF: Worcester Technical High School on June 2, 2018			
<b>The following awards all qualify for participation at the MA State Science Fair... both at the Junior and Senior Division.</b>									
<b>Junior Division Honorable Mention</b>	MS Honorable Mention	Medal	331	What is the effect of distance between plant seeds on individual plant growth?	Timilty	Juan Deleon			
			276	Hot or Cold: The Effect of Temperature on Magnetism	BLS	Amir Aitelhadj			
			297	Exploring Gender and the Uncanny Valley	BLS	Sarah Albert	Elizabeth Choi		
			303	Catch the Wave! Wave Amplitude vs. Energy Output	BLS	Kathleen Rouse			
			253	How does the length of the bridge affect the maximum load?	Eliot K-8	Isabella Cessa	Giselle Berents		
			266	Hydraulic Arm made of Cardboard	Umana	Guillermo Menjivar			
			316	Freezing Temperature of Various Liquids	Warren Prescott	Colby Soutter			
			292	Powder vs Soda	BLS	Eva Mattison	Anna Wadsworth		
			300	Surface Tension in Water	BLS	Isabella Alonso			
			279	Hydrogen Peroxide Harmful or Helpful?	BLS	Vera Jacobson			
<b>Senior Division Honorable Mention</b>	HS Honorable Mention	Medal	5	Recrystallization	East Boston	Rina Blanco	Michelle Bui		
			31	Does feeding animals GMO foods affect their DNA?	EMK	Maite Vinals	Habso Salah		
			19	Hot Pucks	BLA	Paul Guerard			
			67	Microbial Sensitivity And Resistance To Antibiotics Between Subjects	Burke	Ianna Montilla	Maryan Mohamud	Katia Pinto	
			71	Can Temperature Affect How long a glow stick stays lit?	USA	Stefania Yee			
			1	How Many Calories Are In Food?	East Boston	Linette Cruz			
			72	Plant-Based Dye vs Chemical Based Dye	USA	Dixon Marroquin	Citali Pena	Berlinda Zizzi	
			74	Bubbleology	USA	Gislaine Dartois			
			34	The effect of baking soda on a pancake	EMK	Maria Theodoridou	Iseliz Diaz		
			2	Enzymatic Browning	East Boston	Kenny Bui	Ashley Figueroa		

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<b>Junior Division Third Place</b>	MS Third Place \$30	1 \$30 ea 2 \$15 ea 3 \$15 ea	343	Duckweeds: A Potential Source for Renewable Biofuel	BLS	Elan Peng		
			210	Will the length of my antenna affect the distance my homemade radio can transmit?	JDOB	Joe Doherty		
			291	Marble race in different liquids	BLS	Amelia Galiga	Tarun Nagesh	
			301	The Effect of Caffeine on Plants	BLS	Vincent O'Bryne		
			306	FLICE Rocket	BLA	Davae Lynch		
			280	Maglev Energy	BLS	Riccardo Rollo		
			204	Sugar and vinegar on a flower life span	Kilmer	Kelsey Chen		
			222	Solving a windy problem	JDOB	Quincy Wiggins		
			252	How does the size of a solar panels affect how fast a fan will use the energy?	Eliot K-8	Matthew Connolly	Luigi Bianchi Simonet	
310	What is "Healthier", Organic or Conventional?	Warren Prescott	Gabriel Feinberg	Marcus Burkes-Nossiter				
<b>Senior Division Third Place</b>	HS Third Place \$50	1 \$50 ea 2 \$25 ea 3 \$25 ea	404	An effective solution to the clean water crisis in developing nations	BLS	Mariah Mansoor		
			33	Drugs & Genetics	EMK	Jacqueline Arroyave	Ysatti Bautista Lopez	
			403	Plant Disease Identification using Deep Learning	BLS	Kevin Qi		
			25	Freshwater organism: The effects of water pollutants	EMK	Cianna Pinto	Adamaris Agosto	
			402	Vitamin C in GMO/NON-GMO	Excel	Luis Pires		
			65	Identification of Subclusters within Perturbagen Classes Using CMap	BLS	Annie Miall		
			64	Effect of Cytokines on the Function of the Salivary Glands	BLS	Alicia Zou		
			28	Turning Milk Into Plastic	EMK	India Mallory	Janaisha Delcompare	
			7	Bacterial Transformation	East Boston	Juliana Vasquez		
			69	Measuring Calories	East Boston	Evelyn Ocegueda		

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<b>Junior Division Second Place Also BROADCOM</b>	MS Second Place \$50	1 \$50 ea 2 \$25 ea 3 \$25 ea	304	Does Multitasking Really Work?	BLS	Carine Badawi		
			207	Hydrogen Peroxide on seed germination	Kilmer	Alice Liu		
			298	The Impact of Baking Soda and Baking Powder on Cookies	BLS	Tiffany Trinh		
			299	Testing Vitamin C Stability	BLS	Emma Lu		
			215	How does the amount of liquid affect the buoyancy of small objects?	JDOB	Ka'lah Rucker		
			324	Focusing Sun on Solar Panels	Irving	Adrian Drakes	Dylan Furlonge	Samuel Feathers
			338	What is the effect of different colored lights on seed germination and growth?	Timilty	Bryan Hernandez		
			250	How does the different type of liquid affect the gummy bear?	Eliot K-8	Rebecca Woods	Fiona Shine Duncan	
			289	How music affects concentration	BLS	Mira Yu	Livia Ricciarini	
			323	How Do Different Temperatures of Water Impact the Strength of the Hydraulic Arm?	Irving	Deborah Damas	Bianca Alvarez	
<b>Senior Division Second Place</b>	HS Second Place \$100	1 \$100 ea 2 \$50 ea 3 \$50 ea	400	How Effective Is Your Brain Mapping Experience	East Boston	Ooviya Sathiyamoorthy	Daniela Contrera	
			6	Examining the Effects of Land Use on Water Quality	East Boston	Sabrina Ruiz	Heily Chavez	Britney Rivera
			35	Universal Earbud Case	EMK	JohnRichard OBryant	Rudy Alvarez	
			11	How do monochromatic colors affect emotions?	Madison Park	Daiana Osorio	Joselyn Rosario	Joshua Rivera
			18	Durability of Pens	BLA	Patrick Quinn		
			13	Effects of Milk Fat on Curd Yield	BLA	Nayely Gonzalez		
			68	Physiological Analysis of Stress Response in Individuals	Burke	Sophia Bereus	Te Yah Davis	Steve Dillon
			21	Effect of different clear liquids on the Faraday Effect	BLA	Ezra Taub	Owen Bloch-Jones	
			50	The effects of Curcumin on the	Excel	Rukia Nur		
			56	3-2-1 Blood	Mary Lyon	Zeina Okar		

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<b>Junior Division First Place BROADCOM</b>	MS First Place \$100	1 \$100 ea 2 \$50 ea 3 \$50 ea	249	Is It Really Clean?	Eliot	Phyls Eutsayifebuzo	Brooklynn Cartagena	
			283	Go with the Flow	BLS	Natalie Poftak	Emilia Saldana	
			225	Measuring the strength of electromagnets	JDOB	Mara Litten		
			286	Quick, Confident and Correct: A Facial Recognition Survey	BLS	Emmett Hughes		
			221	Electromagnetic Bolts	JDOB	Jasper Knabe		
			282	Get Your Garden Growing: Which Homemade Fertilizer Works Best?	BLS	Lauren Choy		
			214	Does the amount of air in a football affect how far it goes?	JDOB	Esther Prantil		
			278	Acidity of Soda	BLS	Neth Kurukulasuiya		
			293	The growth of Narcissus Papyraceus	BLS	Selina Tang	Michelle Zhang	
<b>Senior Division First Place</b>	HS First Place \$200	1 \$200 ea 2 \$100 ea 3 \$75 ea	14	The Effect of pH on Plant Growth	BLA	Kimberly Chen	Emily Lam	
			15	Experiments to identify a Mystery Metal	BLA	Shandira Soto	Camila Muneton	
			46	Organic Arch Support	Excel	Lydia Gebru	Soukaina Elatifi	
			47	Eggshells VS Ground Coffee	Excel	Gamael Chavire		
			63	Effect of Glucose on the Sex Ratio of Drosophila Melanogaster	BLS	John Lin		
			27	Phagocytosis in Tetrahymena	EMK	Isaiah Mitte	Jennifer Cartagena	
			62	A Comparison of Meat Freshness Upon Different Thawing Methods	BLS	Daisy Wang		
			59	Integrating a Hamilton water jet engine with a Tesla turbine	Mary Lyon	Brian Thompson		
			39	Face Fits	EMK	Carlia Dabel	Jamir Sobers	Onasis Soto

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<b>Top Overall Score</b>								
<b>Christa McAuliffe</b>	M.S. Highest Score	\$250 Total	345	How does listening to different music genres affect concentration?	Timilty	Sweetie Ciriaco Mendez		
<b>Christa McAuliffe</b>	H.S. Highest Score	\$500 Total	16	The Difference In The Energy from Lipids vs Carbohydrates	BLA	Mairead Baker		
<b>Intel ISEF: International Science and Engineering Fair -- Sunday, May 13 to Friday, May 18, 2018 in Pittsburgh, PA</b>								
<b>4</b>	Funding generously provided by Vertex Pharmaceuticals and Sanofi Genzyme	46	Organic Arch Support	Excel	Lydia Gebru	Soukaina Elatifi		
<b>3</b>		15	Experiments to identify a Mystery Metal	BLA	Shandira Soto	Camila Muneton		
<b>2</b>		14	The Effect of pH on Plant Growth	BLA	Kimberly Chen	Emily Lam		
<b>1</b>		16	The Difference In The Energy from Lipids vs Carbohydrates	BLA	Mairead Baker			
<b>Broadcom Awards: First and Second Place Junior Division Projects - Grade 6, 7, &amp; 8 -- 20 projects nominated</b>								
<b>Over \$30,000 awarded in materials and prizes for our students, with many thanks to our sponsors</b>								

