

Name of Award	Project Title	School	Awardee 1	Awardee 2	Awardee 3
<b>Senior Division</b>					
<b>Christa McAuliffe H.S. Highest Score</b>	How do pesticides affect the regeneration of planarians; possible connection to mutations within embryonic stem cells	Boston Latin Academy	Ollaya Krikib		
<b>Senior Division - First Place</b>	Role of Protective Species in Inhibiting Virulence Factor in <i>S. mutans</i>	Boston Latin School	John Lin		
	The Effect of Prolonged Morphine Administration on Infant Rat Regional Brain Volumes	Boston Latin Academy	Mairead Baker		
	Knockout of AHNK2 in pancreatic cancer using CRISPR/Cas9 Technology	Boston Latin School	Daisy Wang		
	Dreams: How real are they?	Boston Latin School	Peter Wadsworth		
	What is the Effectiveness of Antacids on the pH of the stomach environment?	Boston Latin Academy	Margaret Henning		
	Investigating the validity of the competitive binding model of Apolipoprotein E isoforms and Amyloid beta in developing Alzheimers pathologies	Boston Latin Academy	Ezra Taub	Nkemdilim Okoli	
<b>Senior Division - Second Place</b>	Altering the circadian cycle of Madagascar hissing cockroaches	Boston Latin School	Alexandra Duta		
	Chopsticks robot	Boston Latin School	Ian Bhatt	Albert Lin	Yassine Soubany
	Prevalence of microplastics in commercial salts	Boston Latin School	Carine Badawi	Cristina Francis	
	Electromagnetically powered car prototype	Boston Latin School	Nicolas Vilallonga		
	Boat Buoyancy	John D. O'Bryant	Jose Vilorio	Quincy Wiggins	
	What Makes Ice Melt the Fastest?	John D. O'Bryant	Quaron Wiggins		
	Blood Splater	Excel High School	Hoa Nguyen Pham		

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<b>Senior Division - Third Place</b>	Minimizing bacteria in the thawing and cooking of chicken	Excel High School	Amine Chajar	Tuan Nguyen	
	Effect of Nicotine and Caffeine on Fruit Flies	East Boston High School	Nicolas Hicks		
	Electric generator	Excel High School	Issac Rodriguez	Simon Rodriguez	
	Are MA emergency water sources of potable water safe to drink?	Boston Latin School	Philip Pepin		
	3D Printed Cell Phone Stand	East Boston High School	James Williams		
	The link of Wolbachia to Triple E	Boston Latin School	Aidan Osowiecki	Ourania Parastatidis	
	Is Your Shampoo Deceiving You?	Edward M. Kennedy	Lisette Cross Garcia		
<b>Senior Division Honorable Mention</b>	Banana Smelling E. coli Growth Curves	East Boston High School	Georgia Gonzales		
	Air gap hack	Excel High School	Samuel Teodorak	Jaydam Aponte	
	The effect of pollution on plants	Excel High School	Camila Fonseca	Ergina Agastra	
	Plastic Waste in East Boston	East Boston High School	Yeraldin Lopez Betancur	Camilly Fernandes Freitas	
	The Ideal Gas Law (Deflategate Data)	Edward M. Kennedy	Erick Mendez	Dashawn Bolden	
	Smart Necklace	Mary Lyons	Yolanda Oliveira		

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<b>Junior Division</b>					
<b>Christa McAuliffe M.S. Highest Score</b>	Does a person's age affect the age they interpret an ambiguous figure to be?	Boston Latin School	Islay Shilland		
<b>Junior Division - First Place BROADCOM</b>	Eyewitness Reliability	Boston Latin School	Manuela Rios Castaneda		
	What is the effect of different growth enhancers on black bean plants?	Boston Latin School	Caleb Thompson		
	How Desalinated Water Affects Plant Growth	Boston Latin School	Lorenzo Yee		
	How can ferrofluid change how we clean up oil spills?	John D, O'Bryant	Kathryn McFeeters		
	What is the effect of Sodium Hydroxide on the pH of orange juice?	Kilmer K-8	Kevin Wang		
	What configuration of 5 photovoltaic cells will collect the most amount of solar energy?	Boston Latin School	Mason Choi		
	Endothermic Reactions	McCormack	Rosalye Mejia	Diamani Nova	
	Battle of the Bottles	Boston Latin School	Violet Collier	Ellie Kiernan	Tessa Reidy
	Bath Bomb Investigation	John D. O'Bryant	Jennifer Choi	Paulayna Favors de Allie	
<b>Junior Division - Second Place Also BROADCOM</b>	What is the Effect of Offering an Immediate Reward on Student Performace?	Warren Prescott	Thomas Blanchet		
	What is the relationship between the pitch of a sound and the amount of water added to a glass?	Warren Prescott	Thomson Souter		
	What is the effect of pH level on plant growth?	Kilmer K-8	Leila Ohashi		
	Fingerprint Comparing	Boston Latin School	Emily Polcaro		
	Amaryllis and Water Solutions	Mary Lyon	Jaydaliz Maldonado		
	Are Fingerprints Inherited?	Warren Prescott	Eve Longnecker	Emma Reitz	
	Which Toothpaste Whitens the Best?	Mary Lyon	Aoife Bourke		
	What is the effect of the time an egg stays in the vinegar on how high it bounces?	Kilmer K-8	Matthew Bareng		
	Dose the amount of light a plant receives affect a plant's height?	Boston Latin School	Tennessee SteelFisher		
How do different liquids affect plant height?	Boston Latin School	James Heath			

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	Which material filters water best?	Boston Latin School	Ita Berg	Jennie Le	
	What is the effect of using multiple magnets on sound wave intensity?	John D. O'Bryant	Janice Ly		
	Bath Bomb Gas	John D. O'Bryant	Joelangie Arias Soto	Imani Lavan	
	Can Meditation Help with Anxiety	Mary Lyon	Amina Bile	Mari Souza	
	What is the effect of the amount of charcoal on the ppm of water decreases?	Kilmer K-8	Annie Dai		
	Is a Truss Bridge or a Beam Bridge Better at Bearing Loads?	Boston Latin School	William Kirchman	Joe Li	
	Saltmarsh Filtration	Boston Latin School	Ellora Bhatt		
	Do Water Bottles Affect the Water Inside them	Elliott K-8	Josephine LoRusso	Mia Vidal	
	How do different materials affect water not coming inside an area during a flood?	John D. O'Bryant	Hada Bustamante Gomez		
	How do different types of waste affect how much energy you can produce from a microbial fuel cell?	John D. O'Bryant	Rhys McAllister		
Junior Division Honorable Mention	How does the amount of magnet at the end of the track affect the stopping distance of a train?	John D. O'Bryant	Kymora James		
	Cupcake 'Egg'speriment: How do different egg replacers affect the rise and density of cupcakes?	Boston Latin Academy	Amalia Rodin		
	The Energy Efficiency of Insulation	Boston Latin School	Jadon Berkson		
	What is the effect of caffeine on plant growth?	Kilmer K-8	Steven Sahatjan		
	Which Surface at the Eliot School has the Most Bacteria	Eliot K-8	Sophie Shepherd		
	Conformity	Warren Prescott	Colin Bradley	John Dang	
	Will it Decompose?	Jackson Mann	Annabelle Ahern		
	DNA Qunatity at Different Stages of Ripeness	Jackson Mann	Sami Kayi		
Which Hover Train Can Hold the Most Weight?	Warren Prescott	Ben Thomas			
Junior Division Promising Scientist	The Maillard Reaction	Umana	Brandon Flores	Aidan Mak	
	Can Tenebrionade eat styrofoam?	New Mission	Kelly Mejia		
	What is the effect of density on different liquids?	Timilty Middle School	Emmanuella Chirac	Christina Gouras	Chrisnel Pena