

Awarding Agency	Division	Rank (if applicable)	Student Name	Project Title	School
Lillian Nguyen and 7-11 Award					
7-11 Lillian Nguyen	Senior	1st Place	Kabir Jolly ; Michael Gerhard	Reducing Commercial Food Waste: Developing an Online Platform for the Economically Viable Transportation of Food Waste from Source to Composting Facilities via	ACADEMY OF SCIENCE AND TECHNOLOGY
Air Alliance Houston Award					
Air Alliance Houston	Junior	2nd Place	Samuel Hopkins	Effect of Acid Rain on a Microhabitat	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	1st Place	Maegha Tipirneni	Quantifying the Toxic Effects of Diesel vs Gasoline Particulate Exhaust	FRIENDSWOOD JUNIOR HIGH SCHOOL
	Junior	3rd Place	Aaditya Arun	Purification of water with eco-friendly filters	FORT SETTLEMENT MIDDLE SCHOOL
	Senior	2nd Place	Lauren DiPaola	The Greenhouse Gas Effect	RIDGE POINT HIGH SCHOOL
	Senior	1st Place	Nikita Singh	Novel way to remove water pollutants	Shadow Creek High School
American Industrial Hygiene Association Gulf Coast Section					
American Industrial Hygiene Association - Gulf Coast Section	Senior	1st Place	Grant Ebel	Preventing Concussions and Head Injuries Caused by Helmet Deficiencies in Low Temperature Conditions Through the Introduction of a Tubular Structure Layer	MAGNOLIA WEST HIGH SCHOOL
	Senior	1st Place	Akhil Marupudi	The Effects of Radiation on Sleep	ACADEMY OF SCIENCE AND TECHNOLOGY
The American Society of Indian Engineers and Architects					
American Society of Indian Engineers and Architects	Junior	2nd Place	Brianna Schaff; Rebecca Wiley	Engineering an Air Filter for Homes in Polluted Cities	INTERMEDIATE
	Junior	1st Place	Caitlin Behne	I'm Hot And You're Not	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	3rd Place	Tahimad Bhuiyan	The Adaptable Generator to Provide Electricity	Shotwell Middle School
	Junior	3rd Place	Ali Rizvi	B.A.E. Bionic Arduino Eye	ACCELERATIVE LEARNING M S
	Senior	2nd Place	Kathryn DeCourcy	Construction	CLEAR LAKE HIGH SCHOOL
	Senior	1st Place	Muning Fan	Development of a Smart Cervical Vertebra Brace for Neck Pain Prevention and rehabilitation	THE WOODLANDS HIGH SCHOOL
American Society of Mechanical Engineers					
American Society of Mechanical Engineers	Senior	1st Place	Marcus Schlauch	Optimizing a Zero-Gravity Levitating Flywheel (Part 2)	SCHOOL
	Senior	1st Place	Ashley Hoffman	Environments	SCHOOL
	Senior	1st Place	Derek He	A Novel Salt-Based Device: Exploiting Latent Heat for Energy Efficiency Applications	ACADEMY OF SCIENCE AND TECHNOLOGY
American Society of Safety Engineers Gulf Coast Chapter					
American Society of Safety Engineers - Gulf Coast Chapter	Senior		Joshua Bickham	Vicious Vapors: The Effects of Secondhand E-Cigarette Smoke on Drosophila melanogaster	FRIENDSWOOD HIGH SCHOOL
The American Statistical Association Houston Area Chapter					
American Statistical Association Houston Area Chapter	Junior	1st Place	Hope Leskowitz	The Art of Unshuffling Cards	SEABROOK INTERMEDIATE
	Senior	2nd Place	Brendan Alam	Markov Chain Analysis of Barrett's Esophagus	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Sithija Manage	Effect of Cancer Stem Cells on Survival of Smoking/Non-Smoking Patients	ACADEMY OF SCIENCE AND TECHNOLOGY
The Association for Women in Science Gulf Coast Houston					

Association for Women in Science - Gulf Coast Houston (AWIS GCH)	Junior	1st Place	Susan Liu	Snails Vs Alzheimer's	KNOX JUNIOR HIGH SCHOOL
	Junior	1st Place	Natalie McKeig	A Ballerina's Foot Development	ST. ANTHONY OF PADUA CATHOLIC SCHOOL M S
Consumer Energy Alliance Award					
Computer Science	Junior	1st Place	Cameron Kounthapanya	Operating Systems on Program Execution	MCCULLOUGH JUNIOR HIGH SCHOOL
Energy & Transportation	Junior	1st Place	Gabriel Martino	ELECTRO-SPEED!!!	MCCULLOUGH JUNIOR HIGH SCHOOL
Engineering: Aerospace	Junior	1st Place	Hannah Van	Bernoulli Underwater	SEABROOK INTERMEDIATE
Engineering: Chemical	Junior	1st Place	Janani Murugan	Properties of Hydrogel Crystals	INTERMEDIATE
Engineering: Electrical / Mechanical / Civil	Junior	1st Place	Caitlin Behne	I'm Hot And You're Not	MCCULLOUGH JUNIOR HIGH SCHOOL
Engineering: Materials & Bioengineering	Junior	1st Place	Mariana Rodriguez	H2O Go! : the effect of different hydroponic designs and methods on the growth of green onions	SEABROOK INTERMEDIATE
Engineering: Robotics & Intelligent Machines	Junior	1st Place	Ali Rizvi	B.A.E. Bionic Arduino Eye	AL-HADI SCHOOL OF ACCELERATIVE LEARNING M S
Environmental Sciences	Junior	1st Place	Pratishtha Sharma	It's Lit!	SEABROOK INTERMEDIATE
Mathematics	Junior	1st Place	Hope Leskowitz	The Art of Unshuffling Cards	SEABROOK INTERMEDIATE
Computer Science	Senior	1st Place	Adarsh Suresh	Alzheimer's Disease Prediction	SCHOOL
Energy & Transportation	Senior	1st Place	Andrew Liu ; Smiti Gandhi	Energy of Life: Colored Bioluminescent Concentrator for Enhanced Photovoltaic Performance	CLEAR BROOK HIGH SCHOOL
Engineering: Aerospace	Senior	1st Place	Andrew Hart	Using Modified Wing Design to Unlock More Efficient Flight II	ACADEMY OF SCIENCE AND TECHNOLOGY
Engineering: Chemical	Senior	1st Place	Jill Bohnet	Repurposing Recycled Materials for Greener Stronger Cement	THE WOODLANDS COLLEGE PARK HS
Engineering: Electrical / Mechanical / Civil	Senior	1st Place	Muning Fan	Development of a Smart Cervical Vertebra Brace for Neck Pain Prevention and rehabilitation	THE WOODLANDS HIGH SCHOOL
Engineering: Materials & Bioengineering	Senior	1st Place	Anushka Jetly	Detection Of Ear Infection Using A Smartphone Application	FRIENDSWOOD HIGH SCHOOL
Engineering: Robotics & Intelligent Machines	Senior	1st Place	Syamantak Payra	A Sensor-Enhanced Digital Stethoscope (SEDS): Design and Development of an Intelligent Sensor-Enhanced Digital Stethoscope for Patient-Friendly Remote Auscultation	CLEAR BROOK HIGH SCHOOL
Environmental Sciences	Senior	1st Place	Kabir Jolly ; Michael Gerhard	Reducing Commercial Food Waste: Developing an Online Platform for the Economically Viable Transportation of Food Waste from Source to Composting Facilities via	ACADEMY OF SCIENCE AND TECHNOLOGY
Mathematics	Senior	1st Place	Maggie Davidson	Modeling Foot Compressibility to Improve Shoe Sizing	CLEAR FALLS HIGH SCHOOL
Geophysical Society of Houston					

Geophysical Society of Houston	Junior	1st Place	Anisha Parsan	GO WITH THE FLOW (GFLOW) - Real-time Street Flood Prediction and Warning System	FORT SETTLEMENT MIDDLE SCHOOL
	Junior	2nd Place	Abishek Rathnakumar	Long Range Wireless Electricity Transmission	MCCULLOUGH JUNIOR HIGH SCHOOL
	Senior	1st Place	Steven Drabbant	Improved Reception Techniques to Overcome the Sun's Negative Effect on Radio Propagation	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	2nd Place	Conrad Schmitt	Solution)	BUSH HIGH SCHOOL
Greater Houston Dental Society					
Greater Houston Dental Society	Senior	3rd Place	Adarsh Suresh	Alzheimer's Disease Prediction	SCHOOL
	Senior	3rd Place	Jennifer Lin	Cancer Targeting and Drug Delivery by Chimeric Proteins	DEBAKEY HIGH SCHOOL FOR HEALTH PROFESSIONS
	Senior	3rd Place	Anushka Jetly	Detection Of Ear Infection Using A Smartphone Application	SCHOOL
	Senior	2nd Place	Adham Kassem	Using Organic Material in Crude Oil Remediation	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	2nd Place	Aly Knowles	Better Decision Making: Forecasting or Surrogation?	SCHOOL
	Senior	2nd Place	Jill Bohnet	Repurposing Recycled Materials for Greener Stronger Cement	THE WOODLANDS COLLEGE PARK HS
	Senior	1st Place	Sebastian Saenz	Faraday's Bicycle	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Andrew Kim	Nutrient-Induced Supersilk Fibers Through Utilization of Bombyx mori	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Syamantak Payra	A Sensor-Enhanced Digital Stethoscope (SEDS): Design and Development of an Intelligent Sensor-Enhanced Digital Stethoscope for Patient-Friendly Remote Auscultation	CLEAR BROOK HIGH SCHOOL
Gulf Coast Safety and Training Group					
Gulf Coast Safety & Training Group	Junior	3rd Place	Dominic Villasenor	Memory Recall: VR vs 2D	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	2nd Place	William Draper	Do tinted lenses affect eye adjustment to lower light levels	SEABROOK INTERMEDIATE
	Junior	1st Place	Disha Bhattacharya	Which Harness System is Safest?	PERSHING MIDDLE SCHOOL
Harris County Medical Society/Houston Academy of Medicine					
Harris County Medical Society / Houston Academy of Medicine	Junior	3rd Place	Brooke McMullan	The Breakdown	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	1st Place	Enzo Masters	Video Games; Life or Death	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Honorable Mention	Ava Kaufman; Natasja Beijen	So Sweet!	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	2nd Place	Jesus Guerrero	Crossed Eye/Dominance Shooting	Jackson Intermediate
	Senior	3rd Place	Galio Guo; Katherine Zhao; Jaimie Lee	The Effect of Coliphage T2 Concentration on E. Coli Population	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	Honorable Mention	Nadia Rodriguez; Saisinzita Cheruvu	Does Exercise Increase Lung Capacity	SCHOOL
	Senior	1st Place	Nik Uzochukwu	Neurobiology of VR	HIGHTOWER HIGH SCHOOL
	Senior	2nd Place	Seb Seager	Interesting Courtship Behaviors in Dopamine Receptor (D2R) Drosophila Mutants	Kinkaid School
State of Texas Chapter of the Health Physics Society					
	Junior	1st Place	Yasmin Jackson	Radioactive Dinner	YORK JUNIOR HIGH SCHOOL

Health Physics Society	Senior	1st Place	Steven Drabbant	Improved Reception Techniques to Overcome the Sun's Negative Effect on Radio Propagation	ACADEMY OF SCIENCE AND TECHNOLOGY
Houston Astronomical Society					
Houston Astronomical Society	Junior	1st Place	Victor Markhasin	Identifying Urban Micrometeorites	SCHOOL
	Junior	2nd Place	Jacob Kozlowsky	Can It Stand the Heat?	MCCULLOUGH JUNIOR HIGH SCHOOL
	Senior	3rd Place	Carlos Del_Angel	Do We Need A 5-Day Sun Forecast?	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	3rd Place	Christina Kuruvilla	Measuring Mercury	HIGHTOWER HIGH SCHOOL
	Senior	2nd Place	Mujtaba Hussain	Analog Kerr Black Hole Event Horizons	Kerr High School
	Senior	1st Place	Qianxu Li	detecting low-mass rocky planets around stars in the solar neighborhood	The Village School
College of Engineering at Houston Baptist University					
Houston Baptist University College of Engineering	Junior	3rd Place	Nicole Kowalchuk	Hacker's Power: Safest Passwords from Hackers	ST. ANTHONY OF PADUA CATHOLIC SCHOOL M S
	Senior	2nd Place	Hannah Craft	Software Hierarchy for Robotic Control	CLEAR FALLS HIGH SCHOOL
	Senior	1st Place	Mike Hermes	Automated Control of Water Pumping and Heating Systems Using a Smartphone or PC	FRIENDSWOOD HIGH SCHOOL
The Houston Intellectual Property Law Association (HIPLA)					
Houston Intellectual Property Law Association	Junior	1st Place	Abigail Mendenhall	Reflecting the Heat Island	The John Cooper School M S
	Senior	1st Place	Shourav Dasari	Power Under Pressure: Designing an Efficient Piezoelectric Tile	ACADEMY OF SCIENCE AND TECHNOLOGY
The Houston Museum of Natural Science					
Houston Museum of Natural Science & The Engineering, Science and Technology Council of Houston	Senior	Intern Finalist	Kostas North; Peter Yi	The Effects of Electromagnetic Fields on Brine Shrimp	SCHOOL
	Senior	Intern Finalist	Malay Shah	Scientific Ingenuity: The Correlation Between Scientific Success and Creativity	HIGHTOWER HIGH SCHOOL
	Senior	Intern Finalist	Taylor Blanchard	Effect of Surfactant on Ferrofluid Rheology	CLEAR LAKE HIGH SCHOOL
	Senior	Intern Finalist	Adham Kassem	Using Organic Material in Crude Oil Remediation	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	Intern Finalist	Duke Blaney	Developing a Java-based attendance database using barcode scanners	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
	Senior	Intern Finalist	Terrell Ford	Comparison of Neural Network Training Methods	MAGNOLIA HIGH SCHOOL
	Senior	Intern Finalist	Dorian Dovai	The Search of Students aka The SoS	Eisenhower HS
	Senior	Intern Finalist	Joelliane Langevine	Earth's Treasure: A Study on the Impact of the Earth's Magnetic Field on Earthworms	CLEAR LAKE HIGH SCHOOL
	Senior	Intern Finalist	Ashley Gibson	The Power in Sunlight	SCHOOL
	Senior	Intern Finalist	Ashley Hoffman	Environments	SCHOOL
	Senior	Intern Finalist	Jill Bohnet	Repurposing Recycled Materials for Greener Stronger Cement	THE WOODLANDS COLLEGE PARK HS
	Senior	Intern Finalist	Sydney Brown	Eathquakes	YES Prep High School
	Senior	Intern Finalist	Hussam Abbas	Solar Electric Buggy	Kempner High School
	Senior	Intern Finalist	Caroline Robins	Wave Structures	CLEAR LAKE HIGH SCHOOL
	Senior	Intern Finalist	Christina Kuruvilla	Measuring Mercury	HIGHTOWER HIGH SCHOOL
	Senior	Intern Finalist	Sebastian Saenz	Faraday's Bicycle	ACADEMY OF SCIENCE AND TECHNOLOGY

	Senior	Intern Finalist	Agustina Demagistris	Shattering Expectations	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
	Senior	Intern Finalist	Peyton Burlington	Unearthed: Growing Plants in Martian Soil	CLEAR CREEK HIGH SCHOOL
iYar Fine Arts					
iYar Fine Arts	Junior	Honorable Mention	Cole Schulmire	The McGurk Effect	MAGNOLIA JR. HIGH
	Junior	Pattu Rajagopalan Award	Zhamanta Chavez	Resonance Experiment	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Honorable Mention	Lindsey Gefrides	Visible Music	SEABROOK INTERMEDIATE
	Senior		Kevin Juarez	Subliminal Messaging in Pop Music	School
	Senior	Suloctana Pattabhiraman Award	Brian Burr	Engineering a Prototype Electric Saxophone	ACADEMY OF SCIENCE AND TECHNOLOGY
Jacobs					
	Junior	Science Explorer Award	Bailey Foulds	Let It Glow! 2	SEABROOK INTERMEDIATE
	Junior	Science Explorer Award	Yasmin Jackson	Radioactive Dinner	YORK JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	Rotem Ris	Fruit Fight!	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	Audrey Bramlett	The Effects of Caffeine on Staphylococcus epidermidis	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	Amber Navarra	Get the Lead Out	The John Cooper School M S
	Junior	Science Explorer Award	Max Lattin	crumble under pressure?	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	Aji Yerokun	The Essence of Chemiluminescence	ALBRIGHT MIDDLE SCHOOL
	Junior	Science Explorer Award	Vrinda McBride	Mars vs. Earth : Botany Wars	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	Victor Markhasin	Identifying Urban Micrometeorites	SCHOOL
	Junior	Science Explorer Award	Wendy Novoa	You Are My Sunshine	ST. CLARE OF ASSISI CATHOLIC SCHOOL
	Junior	Science Explorer Award	Zhamanta Chavez	Resonance Experiment	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	Tiffany Ozols	Electrifying: The Conductivity of Solubles!	KNOX JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	John Sexton	Power Up - Puerto Rico	SCHOOL
	Junior	Science Explorer Award	Mark Cheek	Lift generated by a wing	PERSHING MIDDLE SCHOOL
	Junior	Science Explorer Award	Tanishq Moondra	Transient Electronics	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Science Explorer Award	Jaslin Wesley	Beat...to Death?!	SCHOOL
	Junior	Science Explorer Award	Emerald StLaurent	Ready Set Glow	SCHOOL
	Junior	Science Explorer Award	Pratishtha Sharma	It's Lit!	SEABROOK INTERMEDIATE
	Junior	Science Explorer Award	Colin Stubbs	Deer Beacon	Leaman Junior High
	Junior	Science Explorer Award	Thomas Smith	Barrier	PERSHING MIDDLE SCHOOL
	Junior	Science Explorer Award	Emily Troutman	Using Mathematics to survive the CCISD Hunger Games	LEAGUE CITY INTERMEDIATE SCHOOL
	Junior	Science Explorer Award	Sophie Otfinowski	Effect of Common Drinkable Acids on Shark Tooth Erosion	MS
	Junior	Science Explorer Award	Abigail Korzetz	Jello Plants (Watch it wiggle see it jiggle)	SEABROOK INTERMEDIATE
	Junior	Science Explorer Award	Marin Northcott	Fish Quantity Effects on Plant Growth	MCCULLOUGH JUNIOR HIGH SCHOOL

Jacobs

Junior	Science Explorer Award	Emily Thomas	X-ray Radiation on Beans	FRIENDSWOOD JUNIOR HIGH SCHOOL
Junior	Science Explorer Award	Lindsey Seale	Power Plants: Which Plants Survive Best in Oil?	MCCULLOUGH JUNIOR HIGH SCHOOL
Junior	Science Explorer Award	Faith Ebel	The Grass is Greener on Mars	MAGNOLIA JR. HIGH
Junior	Science Explorer Award	Ali Rizvi	B.A.E. Bionic Arduino Eye	ACCELERATIVE LEARNING M S
Senior	Science Explorer Award	Shafin Chowdhury	Machine Learning And Mario	HIGHTOWER HIGH SCHOOL
Senior	Science Explorer Award	Terrell Ford	Comparison of Neural Network Training Methods	MAGNOLIA HIGH SCHOOL
Senior	Science Explorer Award	Dorian Dovai	The Search of Students aka The SoS	Eisenhower HS
Senior	Science Explorer Award	Kelsey Webb	How Shape and Size Affect Structure Movement from a Tsunami	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Senior	Science Explorer Award	Steven Drabbant	Improved Reception Techniques to Overcome the Sun's Negative Effect on Radio Propagation	ACADEMY OF SCIENCE AND TECHNOLOGY
Senior	Science Explorer Award	Arnav Chinthala	Finding A New Way To Treat Thrombosis Faster and Efficiently	ACADEMY OF SCIENCE AND TECHNOLOGY
Senior	Science Explorer Award	Hibah Suleman	The Effects of Silver Nano Particles in Space	Kempner High School
Senior	Science Explorer Award	Viridiana Barrera	What type of roof structure would withstand a hurricane?	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Senior	Science Explorer Award	Jenna Sale	Solar Panel Cost Versus Energy Produced	RIDGE POINT HIGH SCHOOL
Senior	Science Explorer Award	Marcus Schlauch	Optimizing a Zero-Gravity Levitating Flywheel (Part 2)	SCHOOL
Senior	Science Explorer Award	Ashley Hoffman	Environments	SCHOOL
Senior	Science Explorer Award	Andrew Hart	Using Modified Wing Design to Unlock More Efficient Flight II	ACADEMY OF SCIENCE AND TECHNOLOGY
Senior	Science Explorer Award	Gavin Gillan	Wing Dihedral for More Stable Flight	ACADEMY OF SCIENCE AND TECHNOLOGY
Senior	Science Explorer Award	Nicholas Devault	Testing Different Rocket Propellants	ACADEMY OF SCIENCE AND TECHNOLOGY
Senior	Science Explorer Award	Mary Roccaforte	Not Just Winging It	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Senior	Science Explorer Award	Sydney Brown	Eathquakes	YES Prep High School
Senior	Science Explorer Award	Evan Rosenthal	It Doesn't Have To Be Too Late 2	SCHOOL
Senior	Science Explorer Award	Rudy Telles	Additives in concrete mixtures	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Senior	Science Explorer Award	Hussam Abbas	Solar Electric Buggy	Kempner High School
Senior	Science Explorer Award	Sam Packer	Can You Hear Me Now?	ACADEMY OF SCIENCE AND TECHNOLOGY
Senior	Science Explorer Award	Emilio Velazquez Aus Den Ruthen	Semi-perpetual motion electric curret generator	MAGNOLIA HIGH SCHOOL
Senior	Science Explorer Award	Edward Li	Thermochromisms, Electrochromisms, and Mechanochromisms	CLEAR LAKE HIGH SCHOOL
Senior	Science Explorer Award	Arman Sharma	Dependence of Dendritic Microstructures formed during Directional Solidification of Binary Alloys	ACADEMY OF SCIENCE AND TECHNOLOGY
Senior	Science Explorer Award	Anushka Jetly	Detection Of Ear Infection Using A Smartphone Application	SCHOOL
Senior	Science Explorer Award	Alexia Telios	Correlational Analysis of Oxygen levels and Bacteria in Local Houston Bayous	CLEAR CREEK HIGH SCHOOL
Senior	Science Explorer Award	Carolyn Hill	Exercise 101	CLEAR FALLS HIGH SCHOOL

	Senior	Science Explorer Award	Sarah Winnier	The Effects of Obesity on Adipose Stem Cells	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	Science Explorer Award	Gracie Phillips; Katelyn Ware	Effects of Pulse on the Frontal Lobe	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
	Senior	Science Explorer Award	Nikhil Singh	The practicality of flying on Mars	Dulles HS
John M Dilorio					
John M. Dilorio Foundation	Junior	Honorable Mention	Ava Kaufman; Natasja Beijen	So Sweet!	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	3rd Place	Ashley Kurian	Water Management in Flood-Prone Areas	FORT SETTLEMENT MIDDLE SCHOOL
	Junior	2nd Place	Nicole Kowalchuk	Hacker's Power: Safest Passwords from Hackers	ST. ANTHONY OF PADUA CATHOLIC SCHOOL M S
	Junior	1st Place	Siddhanth Pachipala	Friends, Feelings, and Facts	MCCULLOUGH JUNIOR HIGH SCHOOL
	Senior	3rd Place	Alexandra Boehning	Respiration	SCHOOL
	Senior	2nd Place	Praneel Joshi	Testing and Optimizing the Efficiency of Rechargeable Battery Systems	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Mujtaba Hussain	Analog Kerr Black Hole Event Horizons	Kerr High School
	Junior	1st Place Robotics	Joshua Vasquez	a robot that can help from long distances	YES Prep Middle School
Senior	1st Place Robotics	Syamantak Payra	A Sensor-Enhanced Digital Stethoscope (SEDS): Design and Development of an Intelligent Sensor-Enhanced Digital Stethoscope for Patient-Friendly Remote Auscultation	CLEAR BROOK HIGH SCHOOL	
Marine Technology Society					
Marine Technology Society	Junior	1st Place	Yasmin Jackson	Radioactive Dinner	YORK JUNIOR HIGH SCHOOL
	Junior	1st Place	William Lawrence	Turn of the Tide	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	2nd Place	Hannah Van Cise	Bernoulli Underwater	SEABROOK INTERMEDIATE
	Junior	1st Place	Ali Rizvi	B.A.E. Bionic Arduino Eye	ACCELERATIVE LEARNING M S
	Junior	2nd Place	Joshua Vasquez	a robot that can help from long distances	YES Prep Middle School
	Senior	2nd Place	Jenna Sale	Solar Panel Cost Versus Energy Produced	RIDGE POINT HIGH SCHOOL
	Senior	1st Place	Caroline Robins	Wave Structures	CLEAR LAKE HIGH SCHOOL
	Senior	2nd Place	Abhinav Sinha; Naail Lakhani; Jayanth Pratap	Approach to Facilitate Road Safety for the Visually Impaired	Dulles HS
Senior	1st Place	Syamantak Payra	A Sensor-Enhanced Digital Stethoscope (SEDS): Design and Development of an Intelligent Sensor-Enhanced Digital Stethoscope for Patient-Friendly Remote Auscultation	CLEAR BROOK HIGH SCHOOL	
McDermott, Inc. awards in excellence					
McDermott, Inc.	Senior	2nd Place	Vinay Mannem	An Ultrasonic Sensor Based Device to Help the Visually Impaired Walk	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Jack Paylor	Creating a Useful Long Range Wi-Fi Mesh Network	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Kathryn DeCourcy	Construction	CLEAR LAKE HIGH SCHOOL
	Senior	2nd Place	Mike Hermes	Automated Control of Water Pumping and Heating Systems Using a Smartphone or PC	FRIENDSWOOD HIGH SCHOOL

Alumni Club of MIT					
MIT Alumni	Junior	1st Place	Caitlin Behne	I'm Hot And You're Not	MCCULLOUGH JUNIOR HIGH SCHOOL
	Junior	Honorable Mention	Jaslin Wesley	Beat...to Death?!	SCHOOL
	Senior	1st Place	Andrew Liu; Smiiti Gandhi	Energy of Life: Colored Bioluminescent Concentrator for Enhanced Photovoltaic Performance	CLEAR BROOK HIGH SCHOOL
	Senior	Honorable Mention	Jill Bohnet	Repurposing Recycled Materials for Greener Stronger Cement	THE WOODLANDS COLLEGE PARK HS
	Senior	Honorable Mention	Derek He	A Novel Salt-Based Device: Exploiting Latent Heat for Energy Efficiency Applications	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	Honorable Mention	Jeremiah Elizabe; Ronin Burke	A Technological Approach to the Monitoring of Motorcycle Helmet Integrity	ACADEMY OF SCIENCE AND TECHNOLOGY
The Rice University Engineering Alumni					
Rice Engineering Alumni	Senior	1st Place	Jill Bohnet	Repurposing Recycled Materials for Greener Stronger Cement	THE WOODLANDS COLLEGE PARK HS
Rice University's George R. Brown School of Engineering					
Rice University: George R. Brown School of Engineering	Senior	1st Place	Nupur Dave	Effects of Polystyrene and Altered Polylactic Acid Surfaces on Fibrinogen Orientation and its Application on Coronary Stents	Dulles HS
Sam Houston Area Council					
Sam Houston Area Council	Junior	Invitation to Exhibit at Scout Fair	Hope Leskowitz	The Art of Unshuffling Cards	SEABROOK INTERMEDIATE
	Junior	Invitation to Exhibit at Scout Fair	Jacob Johnson	Arthritis Exercise Robotic Arm	Leaman Junior High
	Junior	Invitation to Exhibit at Scout Fair	Jake McCray	The Physics of Batting in Baseball	MAGNOLIA JR. HIGH
	Junior	Invitation to Exhibit at Scout Fair	Garrett Fruge	Are Magnets the New Gun Powder?	ST. ANTHONY OF PADUA CATHOLIC SCHOOL M S
	Junior	Invitation to Exhibit at Scout Fair	Ali Rizvi	B.A.E. Bionic Arduino Eye	ACCELERATIVE LEARNING M S
	Senior	Invitation to Exhibit at Scout Fair	Jack Paylor	Creating a Useful Long Range Wi-Fi Mesh Network	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	Invitation to Exhibit at Scout Fair	Marcus Schlauch	Optimizing a Zero-Gravity Levitating Flywheel (Part 2)	CLEAR BROOK HIGH SCHOOL
	Senior	Invitation to Exhibit at Scout Fair	Mike Hermes	Automated Control of Water Pumping and Heating Systems Using a Smartphone or PC	FRIENDSWOOD HIGH SCHOOL
	Senior	Invitation to Exhibit at Scout Fair	Hussam Abbas	Solar Electric Buggy	Kempner High School
	Senior	Invitation to Exhibit at Scout Fair	Sam Packer	Can You Hear Me Now?	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	Invitation to Exhibit at Scout Fair	Dean Galloway; Tanner Hill	Liquid Nitrogen Levitation	FRIENDSWOOD HIGH SCHOOL
	Senior	Invitation to Exhibit at Scout Fair	Sebastian Saenz	Faraday's Bicycle	ACADEMY OF SCIENCE AND TECHNOLOGY

	Senior	Invitation to Exhibit at Scout Fair	Mujtaba Hussain	Analog Kerr Black Hole Event Horizons	Kerr High School
	Senior	Invitation to Exhibit at Scout Fair	Keerthi Bhoda; Swathi Mannem	An Economical Myoelectric Transradial Prosthetic	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	Invitation to Exhibit at Scout Fair	Abhinav Sinha; Naail Lakhani; Jayanth Pratap	Approach to Facilitate Road Safety for the Visually Impaired	Dulles HS
	Senior	Invitation to Exhibit at Scout Fair	Syamantak Payra	A Sensor-Enhanced Digital Stethoscope (SEDS): Design and Development of an Intelligent Sensor-Enhanced Digital Stethoscope for Patient-Friendly Remote Auscultation	CLEAR BROOK HIGH SCHOOL
	Senior	Invitation to Exhibit at Scout Fair	Santiago Camargo	The Self-Driving Wheelchair	ACADEMY OF SCIENCE AND TECHNOLOGY
Rice University-Texas Medical Center local chapter of the Sigma Xi Scientific Research Honor Society					
Sigma Xi	Senior		Andrew Kim	Nutrient-Induced Supersilk Fibers Through Utilization of Bombyx mori	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior		Shobha Dasari	Minimizing Arterial Damage Induced by Coronary Stenting	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior		Seb Seager	Interesting Courtship Behaviors in Dopamine Receptor (D2R) Drosophila Mutants	Kinkaid School
	Senior		Syamantak Payra	A Sensor-Enhanced Digital Stethoscope (SEDS): Design and Development of an Intelligent Sensor-Enhanced Digital Stethoscope for Patient-Friendly Remote Auscultation	CLEAR BROOK HIGH SCHOOL
Society of Petroleum Engineers Gulf Coast Section					
Society of Petroleum Engineers - Gulf Coast Section	Senior	3rd Place	Taylor Blanchard	Effect of Surfactant on Ferrofluid Rheology	CLEAR LAKE HIGH SCHOOL
	Senior	2nd Place	Sharif Abouleish	Proof of Theory: Nodal Complexities' Effect on Positive Output within Deep Learning Applied to Neural Networks	CLEAR LAKE HIGH SCHOOL
	Senior	1st Place	Adham Kassem	Using Organic Material in Crude Oil Remediation	ACADEMY OF SCIENCE AND TECHNOLOGY
Society of Women Engineers					
Society of Women Engineers Aspire Award	Junior		Bailey Foulds	Let It Glow! 2	SEABROOK INTERMEDIATE
	Senior		Hannah Craft	Software Hierarchy for Robotic Control	CLEAR FALLS HIGH SCHOOL
	Junior		Mariana Rodriguez	H2O Go! : the effect of different hydroponic designs and methods on the growth of green onions	SEABROOK INTERMEDIATE
	Junior		Addison Budsberg	Hydrodynamic Drag	MCCULLOUGH JUNIOR HIGH SCHOOL
	Senior		Kathryn DeCourcy	Construction	CLEAR LAKE HIGH SCHOOL
	Senior		Sydney Brown	Eathquakes	YES Prep High School
The South Texas Section of the American Institute of Chemical Engineers					
South Texas Section of the American Institute of Chemical Engineers	Junior	1st Place	Brianna Schaff; Rebecca Wiley	Engineering an Air Filter for Homes in Polluted Cities	INTERMEDIATE
	Junior	2nd Place	Aaditya Arun	Purification of water with eco-friendly filters	FORT SETTLEMENT MIDDLE SCHOOL
	Senior	2nd Place	Derek He	A Novel Salt-Based Device: Exploiting Latent Heat for Energy Efficiency Applications	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Hudson Nash	Biocatalytic Electroanalytical System for Sustainable Water Quality Monitoring, Phase III	ACADEMY OF SCIENCE AND TECHNOLOGY
Texas Earth Science Teachers Association					

Texas Earth Science Teachers Association	Junior	1st Place	Donovan Bristol	Catching a Wave	SEABROOK INTERMEDIATE
	Senior		Steven Drabbant	Improved Reception Techniques to Overcome the Sun's Negative Effect on Radio Propagation	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior		Ashley Hoffman	Environments	SCHOOL
University of Houston STEM Center presents the Rising Star Award					
UH STEM Center: Rising Star Award	Senior	1st Place	Grace Pascarella	Identification of New Genus Triozocera Strepsiptera Species	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Meghan Flanagan	choice?	SCHOOL
	Senior	1st Place	Hayley Jue	Ethyl Alcohol and Benzalkonium Chloride on Beneficial and Pathogenic Hand Bacteria	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Miguel Chacon	How clean is your water?	Aldine 9th Grade Center
	Senior	1st Place	Vinay Mannem	An Ultrasonic Sensor Based Device to Help the Visually Impaired Walk	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Steven Drabbant	Improved Reception Techniques to Overcome the Sun's Negative Effect on Radio Propagation	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Ian Pedroza	Effect of Light Intensity on Biological Hydrogen Production	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Andrew Hart	Using Modified Wing Design to Unlock More Efficient Flight II	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Derek He	A Novel Salt-Based Device: Exploiting Latent Heat for Energy Efficiency Applications	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Logan Murray	The Sound of Sight	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Grant Ebel	Preventing Concussions and Head Injuries Caused by Helmet Deficiencies in Low Temperature Conditions Through the Introduction of a Tubular Structure Layer	MAGNOLIA WEST HIGH SCHOOL
	Senior	1st Place	Daniel Yamakov	Catalyzing OEMs in a Hydrocarbon Substrate Environment: An Improved Understanding	ACADEMY OF SCIENCE AND TECHNOLOGY
	Senior	1st Place	Anna Pinchen	virus Over Time	SCHOOL
	Senior	1st Place	Christian Valdois	Straight Outta Quantum Part Deux	CLEAR CREEK HIGH SCHOOL
	Senior	1st Place	Lilly Johnson	Microwave Radiation and Vitamin C Levels	SCHOOL
Senior	1st Place	Keerthi Bhoda; Swathi Mannem	An Economical Myoelectric Transradial Prosthetic	ACADEMY OF SCIENCE AND TECHNOLOGY	
University of Houston-Clear Lake					
University of Houston Clear Lake	Junior	1st Place	Thaddeus Warren Ellison	calculator?	SCHOOL
	Senior	1st Place	Michal Wood	Early Diagnosis of Autism	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
	Senior	1st Place	Santiago Camargo	The Self-Driving Wheelchair	ACADEMY OF SCIENCE AND TECHNOLOGY