

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Air Alliance Houston						
9th	Winner	Environmental Sciences	Arjun	Ready	Cutting off the Carbon Cycle	Kinkaid School
Junior	Winner	Energy/Transportation	Michael	Bohnet	Juice To"Juice"	McCullough Junior High
Junior	Winner	Energy/Transportation	Pawoon	Jajoo	Ec2O: the Future of Energy	T. H. Rogers Middle School Education Center
Senior	Winner	Biochemistry/Microbiology	Jasmin	Gildert	Lunar Lungs	Clear Lake High School
Senior	Winner	Life Sciences (Sr. Team)	Chu Hechu Laugen	Ying Zhang Alexander	Mud Power	Bellaire Senior High School
Alumni Club of MIT						
9th	Winner	Engineering	Nick	Zhao	Chemical Analysis Using Raman Effect	the Woodlands College Park High School
Junior	Winner	Engineering	Maria	Castro	Making Energy From Radio Waves	Seabrook Intermediate
Senior	Winner	Engineering	Shreya	Mandal	Circumferential Detection Using Piezoelectric P V D F	Hightower High School
American Industrial Hygiene Association-Gulf Coast Section						
Senior	First Place	Environmental Sciences	Jacob	Burger	Biochar: Breaking the Carbon Cycle li	Academy of Science & Technology
Senior	First Place	Engineering	Ruhika	Roy	Copper In Trouble: Vibration & Hopg Characterization	Lawrence Elkins High School
Senior	First Place	Medicine/Health	Shyam	Gandhi	Arsenic Contamination In International Rice	Clear Brook High School
American Institute of Chemical Engineers, South Texas Section						
9th	Winner	Engineering	Nick	Zhao	Chemical Analysis Using Raman Effect	the Woodlands College Park High School
Junior	Winner	Mathematics	Claire	Warren	The Sweet Science of Particle Packing	Trafton Academy
Senior	Winner	Chemistry	John	Bender	Size Selective Synthesis of Nanotube Fragments	Academy of Science & Technology
Senior	Winner	Energy/Transportation	Karan	Jerath	Fuel for Thought	Friendswood High School
American Meteorological Society-Houston Chapter						
9th	First Place	Earth/Space Sciences	Annie	Turney	Errosion Prevention: Sand Socks Or Rip-Rap	Academy of Science & Technology
9th	Second Place	Environmental Sciences	Inciya	Zaidi	Solving the Problem On Hand: Ozone Depletion	Al-Hadi School of Accelerative Learning
9th	Third Place	Environmental Sciences	Cecilia	Orozco	Tornadoe Wind Damage On Structures	Academy for Science & Health Professions
Junior	First Place	Engineering	Daniel	Phu	Overflow	St. Francis de Sales School
Junior	Second Place	Environmental Sciences	Trenton	Balderas Allison	Ozone and Smog	League City Intermediate School
Junior	Third Place	Physics & Astronomy	Meryem	Pecen	Tsunami	Harmony School of Innovation
Senior	First Place	Earth/Space Sciences	Stavros	Ktenidis	Out of Thin Airii	Academy of Science & Technology
Senior	Second Place	Earth/Space Sciences	William	Wu	Hurricane Landfall Location Early Prediction	Clear Lake High School
Senior	Third Place	Earth/Space Sciences	Alejandra	Resendiz	Exhaust Filtration	Academy of Science & Technology
American Psychological Association						
9th	Winner	Behavioral/Social Sciences	Jheri'	Richards	Investigating the Universality of Irlen Method	Academy of Science & Technology
Junior	Winner	Behavioral/Social Sciences	Katie	Young	Learning Lifestyles	McCullough Junior High
Senior	Winner	Behavioral/Social Sciences	Divya	Koyyalagunta	Aiding Dementia Patients Using Rfid	Clear Lake High School
American Society of Indian Engineers						
Senior	First Place	Engineering	Shreya	Mandal	Circumferential Detection Using Piezoelectric P V D F	Hightower High School
Senior	Second Place	Engineering	Ruhika	Roy	Copper In Trouble: Vibration & Hopg Characterization	Lawrence Elkins High School
Senior	Third Place	Engineering	Aditya	Mohile	Tame the Flame, Save the Game	Friendswood High School
Junior	First Place	Engr/Comp/Math (Jr. Team)	Aubrey Brynn	Frank Reynolds	Feasibility of Pneumatic and Hydraulic Lenses	Magnolia Junior High School
Junior	Second Place	Engr/Comp/Math (Jr. Team)	Elizabeth Emily	Engibous Engibous	Different Effects On Air Cannons	McCullough Junior High
Ninth	First Place	Engineering	Nick	Zhao	chemical analysis using raman effect	Academy of Science & Technology
Ninth	Second Place	Engineering	Buvaneshraj	Saravanan	effective flood management & Containment design experimentation	
Ninth	Third Place	Engineering	Nicholas	Enochs	electromagnetic elevators	Academy of Science & Technology
American Society of Materials Education Foundation						
9th	Winner	Chemistry	Alicia	Kong	Improving the Fire Blanket	Academy of Science & Technology
Junior	Winner	Chemistry	Tony	Kedzierski	Wicking: Don't Sweat It	McCullough Junior High

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Senior	Winner	Chemistry	John	Bender	Size Selective Synthesis of Nanotube Fragments	Academy of Science & Technology
American Society of Materials International						
9th	First Place	Chemistry	Alicia	Kong	Improving the Fire Blanket	Academy of Science & Technology
9th	Second Place	Energy/Transportation	Jaclynn	Turnbaugh	Why Is My Attic So Hot?	Friendswood High School
9th	Third Place	Physics & Astronomy	Edward	Xie	The Most Efficient Non-Newtonian Fluid	Academy of Science & Technology
Junior	First Place	Engineering	Lindsey	Nguyen	Strength of Bricks	Westbrook Intermediate
Junior	Second Place	Energy/Transportation	Mason	Cole	Power Up: Insulation and thermal Resistance	T. H. Rogers Middle School Education Center
Junior	Third Place	Physical Sciences (Jr. Team)	Alzar Djilali Mohammad	Mehdi Abdesselam Khanichehri	Hydrogen Electrolysis	Al-Hadi School of Accelerative Learning
Senior	First Place	Engineering	Ruhika	Roy	Copper In Trouble: Vibration & Hopg Characterization	Lawrence Elkins High School
Senior	Second Place	Medicine/Health	Thomas	Kuncewicz	Effect of Shape and Elasticity On Nanovector Behavior	DeBakey High School for Health Professions
Senior	Third Place	Environmental Sciences	Kushal	Kadakia	Heavy Metal Removal Using Magnelite Nanoparticles li	Clear Lake High School
American Society of Mechanical Engineers, South Texas Section						
Senior	Winner	Engineering	Benjamin	Burdick	What Goes Up Must (Not) Go Down	Friendswood High School
Senior	Winner	Engineering	Christopher	Fleming	Material Testing: Friction	Clear Falls High School
Senior	Winner	Energy/Transportation	Matthew	Caffet	Warming Up To thermoelectric Energy Generation	Academy of Science & Technology
American Society for Quality, Section 1405						
9th	First Place	Behavioral/Social Sciences	Charlie	Sulak	Accuracy of Witness Identification	Magnolia High School
9th	Second Place	Physics & Astronomy	Edward	Xie	The Most Efficient Non-Newtonian Fluid	Academy of Science & Technology
Junior	First Place	Energy/Transportation	Michael	Bohnet	Juice To" Juice"	McCullough Junior High
Junior	Second Place	Biochemistry/Microbiology	Tanya	Kumar	New Paradigm for the Measurement of Myelin Basic Protein	Brookside Intermediate School
Senior	First Place	Medicine/Health	andy	Tran	Cardiac Immunosensors for Rapid Ami Diagnostics	DeBakey High School for Health Professions
Senior	Second Place	Chemistry	Perry	Alagappan	Optical Characterization of S W N Ts In A Magnetic Field	Clear Lake High School
American Society of Safety Engineers, Gulf Coast Chapter						
Senior	First Place	Chemistry	Sakina	Shariff	Ring! Hello, It's Radiation	Alief Taylor High School
American Statistical Association-Houston Area Chapter						
9th	Winner	Energy/Transportation	Christine	Castagna	Efficiencies of Sun Rays Capture	Academy of Science & Technology
Junior	Winner	Mathematics	Karina	Bertelsmann	Bingo!...In A Round Or Two	Westbrook Intermediate
Senior	Winner	Medicine/Health	Grant	Zhao	Waist-To-Height Ratio - A Better Index To Diagnose Obesity & Estimate Body Fat? li	Clements High School
American Water Works Association-Texas Section & Water Environment Association of Texas						
9th	First Place	Life Sciences (9th Team)	Erin Zahra	Colvin Atzuri	Measuring Dissolved Oxygen In H2O	Academy of Science & Technology
9th	Second Place	Chemistry	Katie	Nissen	Enzymes and Grease	Magnolia High School
9th	Third Place	Environmental Sciences	Maria	Rossi	Algae Growth and Ocean Purification	Academy of Science & Technology
Junior	First Place	Environmental Sciences	Katelyn	Bouthillette	Earthworms and Grey Water	McCullough Junior High
Junior	Second Place	Environmental Sciences	Nivva	Emmi	Do2 In H2O: Do Chemicals Matter?	McCullough Junior High
Junior	Third Place	Bot/EnvSci/Zoo (Jr. Team)	Hannah Victoria	Meisels Faulkner	Turmoil Begins With Oil	McCullough Junior High
Senior	First Place	Environmental Sciences	Kushal	Kadakia	Heavy Metal Removal Using Magnelite Nanoparticles li	Clear Lake High School
Senior	Second Place	Environmental Sciences	Damian	Archie	Death By Light: Investigating Solar Water Disinfection	Ball Preparatory Academy @ Ball High School
Senior	Third Place	Engr/PhysicalSci (Sr. Team)	Grant Isha	Kern Mittal	Purifying Water Through Solar Distillation 4	Academy of Science & Technology
Association for Women Geoscientists						
9th	Winner	Earth/Space Sciences	Annie	Turney	Errosion Prevention: Sand Socks Or Rip-Rap	Academy of Science & Technology
Junior	Winner	Earth/Space Sciences	Meghan	Valenta	Go With the Flow	McCullough Junior High
Senior	Winner	Earth/Space Sciences	Alejandra	Resendiz	Exhaust Filtration	Academy of Science & Technology
Broadcom Masters						
Junior	First Place	Computer Science	Daniel	Whatley	Speeding Up the Shortest Path	North Houston Academy of Science & Mathematics

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Junior	First Place	Animal Science (Zoology)	Grace	Markel	Apocalypse of the Ocean	McCullough Junior High
Junior	First Place	Physics & Astronomy	Hannah	Hsu	Using Laser To Measure Sugar In Soda	T. H. Rogers Middle School Education Center
Junior	First Place	Environmental Sciences	Jack	Bosco	The Algae Reaction	McCullough Junior High
Junior	First Place	Plant Science (botany)	Jacob	Mani	Radiation Zone	John Cooper School
Junior	First Place	Medicine/Health	Kalliopi	Caldwell	Burning Calories	Billy Baines Middle School
Junior	First Place	Behavioral/Social Sciences	Katie	Young	Learning Lifestyles	McCullough Junior High
Junior	First Place	Biochemistry/Microbiology	Kristen	Bohnet	Colloiding With Bacteria	McCullough Junior High
Junior	First Place	Engineering	Morgan	Bates	Fatigued Much?	Seabrook Intermediate
Junior	First Place	Chemistry	Tony	Kedzierski	Wicking: Don't Sweat It	McCullough Junior High
Junior	First Place	Energy/Transportation	Wahibah	Hannan	Maglev Wind Turbine	Harmony School of Discovery
Junior	Second Place	Biochemistry/Microbiology	andrea	Santa Cruz	Galveston Beach Sand: A "Bug" Party?	McCullough Junior High
Junior	Second Place	Computer Science	andrew	Koltko	A Cellular Automaon Simulation On Herd Immunity	Burbank Middle School
Junior	Second Place	Environmental Sciences	Christopher	Oxley	Biogeography of Lichen	Quail Valley Middle School
Junior	Second Place	Engineering	Ethan	Pham	Frozen Crossings	Trafton Academy
Junior	Second Place	Energy/Transportation	Gina	Valderrama	Here Come the Waterworks	John Cooper School
Junior	Second Place	Plant Science (botany)	Jason	Weinstein	Optimizing Nitrogen Fixation	John Cooper School
Junior	Second Place	Animal Science (Zoology)	Mason	Palmer	Goldfish: Farmer Or Fish	St. Thomas More Catholic School
Junior	Second Place	Chemistry	Paul	Tesh	It's Going Until It's Gone	McCullough Junior High
Junior	Second Place	Medicine/Health	Pranav	Murugan	Optimav Drug Flow and Repeated Dosage	Westbrook Intermediate
Junior	Second Place	Behavioral/Social Sciences	Tassica	Lim	Healthy Cereal for Better Breakfast	T. H. Rogers Middle School Education Center
Junior	Second Place	Physics & Astronomy	Thomas	Nagle	Seeing the Signs	Friendswood Junior High School
Junior	Third Place	Computer Science	Chris	Walzer	Is Your Password Safe?	Seabrook Intermediate
Junior	Third Place	Biochemistry/Microbiology	Cole	Gaskill	Silver Ancient Germ Fighter	McCullough Junior High
Junior	Third Place	Engineering	Daniel	Phu	Overflow	St. Francis de Sales School
Junior	Third Place	Behavioral/Social Sciences	Dhruv	Subramanian	Rhythm Helps Handicaps	McCullough Junior High
Junior	Third Place	Plant Science (botany)	Isabella	Rossi	It Ain't Easy Being Green	McCullough Junior High
Junior	Third Place	Chemistry	Kaitlyn	Calvin	Galvanic Cell Voltage	St. Thomas More Catholic School
Junior	Third Place	Environmental Sciences	Kaitlyn	Ramirez	Could This Water Live Again?	McCullough Junior High
Junior	Third Place	Medicine/Health	Masha	Pobedinski	Vitamin Treatments for Atopic Dermatitis	T. H. Rogers Middle School Education Center
Junior	Third Place	Energy/Transportation	Neriyah	Butler	Microbes: the Shocking Truth	Harmony School of Science
Junior	Third Place	Physics & Astronomy	Syamantak	Payra	Solar Panel: Quantam Efficiency and Photon Dependency	Westbrook Intermediate
Junior	Third Place	Animal Science (Zoology)	Sydney	Busch	The Effects of Colored Dye On Daphnia	McCullough Junior High
Engineering, Science & Technology Council of Houston (Also Known as ECH)						
Senior	Winner	Engineering	Aditya	Mohile	Tame the Flame, Save the Game	Friendswood High School
Senior	Winner	Earth/Space Sciences	Alejandra	Resendiz	Exhaust Filtration	Academy of Science & Technology
Senior	Winner	Energy/Transportation	Caroline	Landon	Tweak the Leak: Part 2	Friendswood High School
Senior	Winner	Environmental Sciences	Jacob	Burger	Biochar: Breaking the Carbon Cycle li	
Senior	Winner	Computer Science	John	Lin	Identifying Corresponding Sheet Music and Audio	Clear Lake High School
Senior	Winner	Engineering	Julie	Rogers	Quiet, Please!	Friendswood High School
Senior	Winner	Earth/Space Sciences	Nicholas	Armstrong	Window Woes	Clear Lake High School
Senior	Winner	Computer Science	Rishi	Suresh	Life Cycle Cost Optimization of Buildings	Clear Brook High School
Senior	Winner	Energy/Transportation	Sarah	Finley	The Single Chambered Microbial Fuel Cell	Academy of Science & Technology
Senior	Winner	Computer Science	Sergii	Novosad	Computer Viruses	
Senior	Winner	Earth/Space Sciences	Stavros	Ktenidis	Out of Thin Airii	Academy of Science & Technology
Senior	Winner	Energy/Transportation	Taylor	Cubbage	Fats To Fuels	Friendswood High School
Senior	Winner	Plant Science (botany)	Taylor	Frace	Digging Up the Dirt On Dirt	
Senior	Winner	Earth/Space Sciences	William	Wu	Hurricane Landfall Location Early Prediction	Clear Lake High School

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Geophysical Society of Houston						
9th	First Place	Engr/PhysicalSci (9th Team)	Dalton Jackson	Kott Valencia	Diamagnetic Levitation With Pyrolytic Graphite	Academy of Science & Technology
9th	First Place	Engineering	Matthew	Webb	A Study of Bottom-Based Wave Converters	Academy of Science & Technology
9th	Second Place	Engr/PhysicalSci (9th Team)	Abby Gail Hector Kristen	Trino Salinas Scott	Pucker Up	C. W. Nimitz 9th Grade Center
9th	Second Place	Earth/Space Sciences	Claire	Skinner	Soil Shaken By Love	Academy of Science & Technology
Junior	First Place	Physics & Astronomy	Megan	Sham	Is the Straw Broken?	Dulles Middle School
Junior	Second Place	Physics & Astronomy	Matthew	Mussalli	Can You Hear Me?	John Cooper School
Senior	First Place	Physics & Astronomy	Rosemary	Fasullo	Drumming It Up	Clear Falls High School
Senior	Second Place	Energy/Transportation	Jenny	Schlanck	Got Vawt?	Clear Brook High School
Greater Houston Dental Society						
9th	First Place	Medicine/Health	Lakshman	Vigneswaran	Effects of Sugar and Sugar Substitutes On Cancer Cells	Clements High School
9th	Second Place	Medicine/Health	Caroline	Booth	Examining and Preventing Dental Erosion	Academy of Science & Technology
9th	Third Place	Medicine/Health	Qais	Farid	Does Carbohydrate Affect the Solubility of Aspirin	Al-Hadi School of Accelerative Learning
Junior	First Place	Medicine/Health	Alex	Castro	Are You Eating Your Own Teeth?	McCullough Junior High
Junior	Second Place	Biochemistry/Microbiology	Tucker	Patterson	Measuring the Effects of Various Liquids On Human Dentition	Bayside Intermediate School
Junior	Third Place	Medicine/Health	Spencer	Libby	Smile If You Like Soda	Southmore Intermediate
Senior	First Place	Chemistry	Amur	Kouka	Juicy Teeth	Al-Hadi School of Accelerative Learning
Gulf Coast Regulations & Environmental Affairs Group						
9th	Winner	Environmental Sciences	Trey	Brittenum	Cooking With Trash 2	Friendswood High School
Junior	Winner	Bot/EnvSci/Zoo (Jr. Team)	Jordan Nolan	Stenftenagel Heermann	Solar Paint	McCullough Junior High
Junior	Winner	Environmental Sciences	Lucy	Stinn	Minimizing Erosion By Soil Modification	Bear Branch Jr. High
Senior	Winner	Engr/PhysicalSci (Sr. Team)	Allison Shyansunder Toluwani?	Martin Raghavan Soares	A Study of Solar Paint 2	Academy of Science & Technology
Senior	Winner	Environmental Sciences	Patrick	Harold	Modified Zeolites for Ammonia Removal	Clear Lake High School
Gulf Coast Safety and Training Group						
9th	Winner	Chemistry	Alicia	Kong	Improving the Fire Blanket	Academy of Science & Technology
9th	Winner	Engr/PhysicalSci (9th Team)	Helen Michelle	He Xie	Canceling Out the Clamor	Clements High School
Junior	Winner	Energy/Transportation	Amrutha	Murthy	To Absorb, Or Not To Absorb	McCullough Junior High
Junior	Winner	Physical Sciences (Jr. Team)	Dylan Sergey	Vaughn Kuzmicher	Ice Crackers	John Cooper School
Senior	Winner	Engineering	Jeffrey	Zhang	Sound Proofing Walls	Academy of Science & Technology
Senior	Winner	Behavioral/Social Sciences	Jessica	Babcock	Teach Me, Sim New B	Friendswood High School
Harris County Medical Society/Houston Academy of Medicine						
9th	Honorable Mention	Medicine/Health	Akshaya	Amnpragada	Quantitation of Macrophage Uptake of Nanoparticles	DeBaKey High School for Health Professions
9th	Honorable Mention	Medicine/Health	Jessica	Watson	Waiting Before Sun Exposure	Academy for Science & Health Professions
9th	Honorable Mention	Medicine/Health	Karina	Reyes-Rodriguez	Burning Calories	Young Womens Collage Preparatory
9th	Honorable Mention	Medicine/Health	Sinjin	Sharma	There Is Fungus Among Us	Friendswood High School
9th	Honorable Mention	Medicine/Health	Zoe	Thanawala	Garlic the Hidden Healer	Clear Falls High School
9th	Winner	Medicine/Health	Kanchana	Raja	Genes and Drug Selection: Does One Size Fit All?	
Junior	Honorable Mention	Medicine/Health	Alex	Castro	Are You Eating Your Own Teeth?	McCullough Junior High
Junior	Honorable Mention	Medicine/Health	Michael	Neighbors	Comfortable Zinc	McCullough Junior High
Junior	Honorable Mention	Medicine/Health	Nicolas	Tapu	Foot On the Rocks (Pain Distraction)	John Cooper School
Junior	Winner	Medicine/Health	Eddie	Hepburn	Extreme Seeing! Tetrachromacy In Humans	Grace Middle School
Senior	First Place	Medicine/Health	andy	Tran	Cardiac Immunosensors for Rapid Ami Diagnostics	DeBaKey High School for Health Professions

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Senior	Fourth Place	Medicine/Health	Ashri	Anurudran	Green Tea's Effect On the Heart	John Cooper School
Senior	Second Place	Medicine/Health	Diana	Ruan	A Novel 4 In 1 Method To Detect & Treat Circulating Cancer Cells	Bellaire Senior High School
Senior	Third Place	Medicine/Health	Manasi	Joshi	Preventing and Treating Biofilm-Induced Infections2	Academy of Science & Technology
Health Physics Society						
Junior	First Place	Medicine/Health	Emily	Pan	Pacemakers and Radiation	T. H. Rogers Middle School Education Center
Senior	First Place	Medicine/Health	Keerthana	Pakanati	Heating for the Cure To Cancer	Academy of Science & Technology
Senior	First Place	Biochemistry/Microbiology	Natalie	Wu	Radiation Remedy	Friendswood High School
Houston Academy of Nutrition and Dietetics						
9th	First Place	Medicine/Health	Akshaya	Amnapragada	Quantitation of Macrophage Uptake of Nanoparticles	DeBakey High School for Health Professions
9th	Second Place	Biochemistry/Microbiology	Neha	Narayan	Does Cinnamon Spice Make Everything Nice?	Friendswood High School
9th	Third Place	Medicine/Health	Abraham	Mathew	The Effects of Electromagnetism On the Body	Academy for Science & Health Professions
Junior	First Place	Behavioral/Social Sciences	Tassica	Lim	Healthy Cereal for Better Breakfast	T. H. Rogers Middle School Education Center
Junior	Second Place	Medicine/Health	Kelsie	Alexander	Ph Effects On Tooth Enamel	Irons Junior High School
Junior	Third Place	Medicine/Health	Swati	Kundra	Fresh Juice vs.. Cancer Cells	Quail Valley Middle School
Senior	First Place	Medicine/Health	Grant	Zhao	Waist-To-Height Ratio - A Better Index To Diagnose Obesity & Estimate Body Fat? li	Clements High School
Senior	Second Place	Medicine/Health	Molly	Chen	Mind Your Own Business	Friendswood High School
Houston Astronomical Society						
9th	First Place	Physics & Astronomy	Utkarsh	Patel	Solar Power - A Bright Idea	Alief Taylor High School
9th	Second Place	Earth/Space Sciences	Nicholas	Chiu	Meteorite Impacts	Academy for Science & Health Professions
Junior	First Place	Physics & Astronomy	Zivan	Vasquez	When Galaxies Collide...	McCullough Junior High
Junior	Second Place	Earth/Space Sciences	Spencer	Adams	A Cosmic Convergence	Seabrook Intermediate
Junior	Third Place	Physics & Astronomy	Jared	Janak	Hot Or Cold: A Study of Electromagnetic Attractions	Friendswood Junior High School
Senior	First Place	Physics & Astronomy	David	Nguyen	Light Speed Lasers	George Bush High School
Senior	Second Place	Physics & Astronomy	Alexander	Whatley	Did Newton Miss Something?	
Houston Geological Society						
9th	First Place	Earth/Space Sciences	Yashi	Prasad	Exploring Porosity	Academy of Science & Technology
Junior	First Place	Environmental Sciences	Sharon	McMains	Save My Beach	Burbank Middle School
Senior	First Place	Earth/Space Sciences	Sharron	Serio	Statistical Analysis Over Weather	Academy for Science & Health Professions
Houston Intellectual Property Law Association						
9th	First Place	Environmental Sciences	Asma	Olajuwon	Upgrade the Degrade	Iman Academy Southwest
Senior	First Place	Energy/Transportation	andy	Chan	Three Dimensional Approach To Photouoltaic Cells	Cinco Ranch High School
I-SWEEP International Science Fair						
9th	First Place	Environmental Sciences	Caroline	Rosanky	Bacterial Bioremediation	Academy of Science & Technology
9th	First Place	Energy/Transportation	Christine	Castagna	Efficiencies of Sun Rays Capture	Academy of Science & Technology
9th	First Place	Engineering	Nick	Zhao	Chemical Analysis Using Raman Effect	the Woodlands College Park High School
9th	Second Place	Energy/Transportation	Justin	Stobart	Energy In Blade formations	Academy of Science & Technology
9th	Second Place	Engineering	Matthew	Webb	A Study of Bottom-Based Wave Converters	Academy of Science & Technology
9th	Second Place	Environmental Sciences	Trey	Brittenum	Cooking With Trash 2	Friendswood High School
9th	Third Place	Environmental Sciences	Asma	Olajuwon	Upgrade the Degrade	Iman Academy Southwest
9th	Third Place	Energy/Transportation	Jewels	Campbell	No Heat for Haiti	Academy of Science & Technology
9th	Third Place	Engineering	Rohan	Sur	Solar Energy Output and Anges	Clear Lake High School
Junior	First Place	Environmental Sciences	Jack	Bosco	The Algae Reaction	McCullough Junior High
Junior	First Place	Engineering	Morgan	Bates	Fatigued Much?	Seabrook Intermediate
Junior	First Place	Energy/Transportation	Wahibah	Hannan	Maglev Wind Turbine	Harmony School of Discovery
Junior	Second Place	Environmental Sciences	Christopher	Oxley	Biogeography of Lichen	Quail Valley Middle School
Junior	Second Place	Engineering	Ethan	Pham	Frozen Crossings	Trafton Academy
Junior	Second Place	Energy/Transportation	Gina	Valderrama	Here Come the Waterworks	John Cooper School

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Junior	Third Place	Engineering	Daniel	Phu	Overflow	St. Francis de Sales School
Junior	Third Place	Environmental Sciences	Kaitlyn	Ramirez	Could This Water Live Again?	McCullough Junior High
Junior	Third Place	Energy/Transportation	Neriyah	Butler	Microbes: the Shocking Truth	Harmony School of Science
Senior	First Place	Energy/Transportation	Karan	Jerath	Fuel for Thought	Friendswood High School
Senior	First Place	Environmental Sciences	Manvitha	Katta	Antimicrobial and Heavy Sequestration Capacities of Nanofilms	DeBakey High School for Health Professions
Senior	First Place	Engineering	Samantha	Coday	Feeling Fuzzy?!!	Academy of Science & Technology
Senior	Second Place	Environmental Sciences	Kushal	Kadakia	Heavy Metal Removal Using Magnelite Nanoparticles li	Clear Lake High School
Senior	Second Place	Energy/Transportation	Michelle	Chao	Process Dependence of Conjugated Polymer Photovoltaics	DeBakey High School for Health Professions
Senior	Second Place	Engineering	Shreya	Mandal	Circumferential Detection Using Piezoelectric P V D F	Hightower High School
Senior	Third Place	Environmental Sciences	Jacob	Burger	Biochar: Breaking the Carbon Cycle li	Academy of Science & Technology
Senior	Third Place	Engineering	Ruhika	Roy	Copper In Trouble: Vibration & Hopg Characterization	Lawrence Elkins High School
Senior	Third Place	Energy/Transportation	Taylor	Cubbage	Fats To Fuels	Friendswood High School
Intel Corporation						
Senior	Winner	Computer Science	Roma	Pradhan	Train the Artificial Brain	Friendswood High School
International Society of Automation						
Junior	Third Place	Engineering	Elaina	Kemp	RC Remote Control Lawnmower	Energize for Estem
Senior	First Place	Engineering	Shreya	Mandal	Circumferential Detection Using Piezoelectric P V D F	Hightower High School
Senior	Second Place	Physics & Astronomy	Roberto	Dailey	Accessing Real World Data for Rendering	the Academy of Science & Technology
John M. Di Iorio (Individual)						
Senior	First Place	Engr/PhysicalSci (Sr. Team)	Allison Shyamsunder Toluwani	Martin Raghavan Soares	A Study of Solar Paint 2	Academy of Science & Technology
Senior	First Place	Biochemistry/Microbiology	Pooja	Prasad	Altered Micro Rna Expression In Colon Cancer Progression	Bellaire Senior High School
Senior	Fourth Place	Physics & Astronomy	reece	rosenthal	A Graphene Nanobit	Kinkaid School
Senior	Second Place	Energy/Transportation	Matthew	Caffet	Warming Up To thermoelectric Energy Generation	Academy of Science & Technology
Senior	Third Place	Engineering	Benjamin	Burdick	What Goes Up Must (Not) Go Down	Friendswood High School
KBR						
Junior	Winner	Environmental Sciences	Christine	Kendrick	Can Shells Survive Acid?	Kinkaid School
Junior	Winner	Environmental Sciences	Jose	andrade	Soil vs. Water	San Jacinto Intermediate
Junior	Winner	Engineering	Maria	Castro	Making Energy From Radio Waves	Seabrook Intermediate
Junior	Winner	Engineering	Quent	Titre	Blow You Away	Billy Baines Middle School
The Krishen Foundation for Arts & Sciences						
9th	Winner	Chemistry	Alicia	Kong	Improving the Fire Blanket	Academy of Science & Technology
9th	Winner	Mathematics	Gage	Hallbauer	Apparently!	Academy for Science & Health Professions
9th	Winner	Physics & Astronomy	Kevin	Wang	When the Waves Rush In	Bellaire Senior High School
Junior	Winner	Physics & Astronomy	Hannah	Hsu	Using Laser To Measure Sugar In Soda	T. H. Rogers Middle School Education Center
Junior	Winner	Biochemistry/Microbiology	Kristen	Bohnet	Colloiding With Bacteria	McCullough Junior High
Junior	Winner	Chemistry	Tony	Kedzierski	Wicking: Don't Sweat It	McCullough Junior High
Senior	Winner	Medicine/Health	andy	Tran	Cardiac Immunosensors for Rapid Ami Diagnostics	DeBakey High School for Health Professions
Senior	Winner	Mathematics	Anthony	Dao	The Mathematics Behind Rubics Cubes	
Senior	Winner	Chemistry	John	Bender	Size Selective Synthesis of Nanotube Fragments	Academy of Science & Technology
Senior	Winner	Physics & Astronomy	Roberto	Bailey	Accessing Real World Data for Rendering	the Academy of Science & Technology
Marine Technology Society						
9th	First Place	Environmental Sciences	Korrina	Hawkins	Crude Awakening	
9th	Second Place	Earth/Space Sciences	Annie	Turney	Errosion Prevention: Sand Socks Or Rip-Rap	Academy of Science & Technology
Junior	First Place	Bot/EnvSci/Zoo (Jr. Team)	Hannah Victoria	Meisels Faulkner	Turmoil Begins With Oil	McCullough Junior High
Junior	Second Place	Engineering	Nicolai	Moore	Projectile	

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Senior	First Place	Chemistry	Bobbie	Cooney	Under Pressure: Testing Boyle's Law	Friendswood High School
Senior	Fourth Place	Engineering	Patrick	Berry	Steel Rust Prevention	Academy of Science & Technology
Senior	Second Place	Engr/PhysicalSci (Sr. Team)	Allison Shyamsunder Toluwani	Martin Raghavan Soares	A Study of Solar Paint 2	
Senior	Third Place	Chemistry	John	Bender	Size Selective Synthesis of Nanotube Fragments	Academy of Science & Technology
Mu Alpha Theta						
9th	Winner	Mathematics	Gage	Hallbauer	Apparently!	Academy for Science & Health Professions
Junior	Winner	Mathematics	Claire	Warren	The Sweet Science of Particle Packing	Trafton Academy
Senior	Winner	Mathematics	Anthony	Dao	The Mathematics Behind Rubics Cubes	
National Oceanic and Atmospheric Administration						
9th	Winner	Earth/Space Sciences	Annie	Turney	Errosion Prevention: Sand Socks Or Rip-Rap	Academy of Science & Technology
Junior	Winner	Earth/Space Sciences	Meghan	Valenta	Go With the Flow	McCullough Junior High
Senior	Winner	Earth/Space Sciences	Alejandra	Resendiz	Exhaust Filtration	Academy of Science & Technology
National Society of Professional Engineers						
9th	Winner	Engineering	Nick	Zhao	Chemical Analysis Using Raman Effect	the Woodlands College Park High School
Junior	Winner	Engineering	Morgan	Bates	Fatigued Much?	Seabrook Intermediate
Senior	Winner	Engineering	Samantha	Coday	Feeling Fuzzy?!!	Academy of Science & Technology
Rice University Engineering Alumni						
Senior	Winner	Engineering	Shreya	Mandal	Circumferential Detection Using Piezoelectric P V D F	Hightower High School
Rice University George R. Brown School of Engineering						
Senior	Winner	Engineering	Benjamin	Burdick	What Goes Up Must (Not) Go Down	Friendswood High School
Ricoh Sustainable Development						
Junior	Winner	Bot/EnvSci/Zoo (Jr. Team)	Kristine Laura	Yang Huang	Increasing Cellulose Content In Cyanobacteria	T. H. Rogers Middle School Education Center
Junior	Winner	Earth/Space Sciences	Meghan	Valenta	Go With the Flow	McCullough Junior High
Sigma Xi, The Scientific Research Society-Rice University,Texas Medical Center Chapter						
Senior	First Place	Medicine/Health	Kishore	Balasubramanian	Novel Nanoparticles for Drug Delivery	Klein Oak High School
Senior	First Place	Chemistry	Perry	Alagappan	Optical Characterization of S W N T's In A Magnetic Field	Clear Lake High School
The Society of Hispanic Professional Engineers						
Junior	Winner	Engineering	Maria	Castro	Making Energy From Radio Waves	Seabrook Intermediate
Senior	Winner	Engineering	Christopher	Fleming	Material Testing: Friction	Clear Falls High School
The Society for Invitro Biology						
Senior	First Place	Animal Science (Zoology)	Megan	Van Dewalle	Trainable Chickens	Academy for Science & Health Professions
Senior	Second Place	Animal Science (Zoology)	Sarah	Meidel	Daphnia Magna and the Caffeine Buzz	Academy of Science & Technology
Senior	Third Place	Animal Science (Zoology)	Hannah	Hall	Role of Pam Genes In Developing Adult Brain	Ball High School
Society of Plastics Engineers-South Texas Section						
Junior	First Place	Physical Sciences (Jr. Team)	Dylan Sergey	Vaughn Kuzmichev	Ice Crackers	John Cooper School
Senior	First Place	Energy/Transportation	Michelle	Chao	Process Dependence of Conjugated Polymer Photovoltaics	DeBakey High School for Health Professions
Senior	Second Place	Engineering	Christopher	Fleming	Material Testing: Friction	Clear Falls High School
Society of Women Engineers - Houston Area Section						
9th	First Place	Medicine/Health	Akshaya	Amnapragada	Quantitation of Macrophage Uptake of Nanoparticles	DeBakey High School for Health Professions
9th	Second Place	Engr/PhysicalSci (9th Team)	Reagan Savannah	Spexarth Byrd	Nanotubes Suspended In Diamagnetic Levitation	Academy of Science & Technology
9th	Third Place	Energy/Transportation	Christine	Castagna	Efficiencies of Sun Rays Capture	Academy of Science & Technology
Junior	First Place	Physics & Astronomy	Brianna	Norris	The Chair	Macario Garcia Middle School
Junior	Second Place	Biochemistry/Microbiology	Tanya	Kumar	New Paradigm for the Measurement of Myelin Basic Protein	Brookside Intermediate School
Junior	Third Place	Earth/Space Sciences	Meghan	Valenta	Go With the Flow	McCullough Junior High

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Senior	First Place	Engineering	Shreya	Mandal	Circumferential Detection Using Piezoelectric P V D F	Hightower High School
Senior	Second Place	Animal Science (Zoology)	Sarah	Meidel	Daphnia Magna and the Caffeine Buzz	
Senior	Third Place	Engineering	Nadia	Posluszny	Vicissitudes of Viscosity	
Texas Center for Superconductivity and Advanced Materials and the Center for Materials Chemistry						
9th	First Place	Engineering	Nick	Zhao	Chemical Analysis Using Raman Effect	the Woodlands College Park High School
9th	Second Place	Engineering	Nicholas	Enochs	Electromagnetic Elevators?	Academy of Science & Technology
Senior	First Place	Chemistry	Rhys	Kroes	Somewhere Between Isothermal and Adiabatic	Academy of Science & Technology
UHD Larry G. Spears Award						
Senior	Winner	Chemistry	John	Bender	Size Selective Synthesis of Nanotube Fragments	Academy of Science & Technology
US Army Research						
Senior	Winner	Mathematics	Anthony	Dao	The Mathematics Behind Rubics Cubes	
Senior	Winner	Environmental Sciences	Manvitha	Katta	Antimicrobial and Heavy Sequestration Capacities of Nanofilms	DeBaKey High School for Health Professions
Senior	Winner	Physics & Astronomy	Roberto	Dailey	Accessing Real World Data for Rendering	the Academy of Science & Technology
Senior	Winner	Engineering	Samantha	Coday	Feeling Fuzzy?!!	Academy of Science & Technology
US Metric Association						
Junior	First Place	Mathematics	Claire	Warren	The Sweet Science of Particle Packing	Trafton Academy
Junior	Second Place	Mathematics	Isabella	Lara	Benford's Law Applied To Ncaa Statistics	Peet Junior High
Junior	Third Place	Mathematics	Curtis	Chen	Decoding the Mozart Effect	
US Naval Science Awards Program - office of the Chief of Naval Research (On Behalf of Rear Admiral Nevin P. Carr)						
Junior	First Place	Mathematics	Claire	Warren	The Sweet Science of Particle Packing	Trafton Academy
Junior	First Place	Computer Science	Daniel	Whately	Speeding Up the Shortest Path	North Houston Academy of Science & Mathematics
Junior	First Place	Physics & Astronomy	Hannah	Hsu	Using Laser To Measure Sugar In Soda	T. H. Rogers Middle School Education Center
Junior	First Place	Environmental Sciences	Jack	Bosco	The Algae Reaction	McCullough Junior High
Junior	First Place	Medicine/Health	Kalliopi	Caldwell	Burning Calories	Billy Baines Middle School
Junior	First Place	Biochemistry/Microbiology	Kristen	Bohnet	Colloiding With Bacteria	McCullough Junior High
Junior	First Place	Earth/Space Sciences	Meghan	Valenta	Go With the Flow	McCullough Junior High
Junior	First Place	Engineering	Morgan	Bates	Fatigued Much?	Seabrook Intermediate
Junior	First Place	Chemistry	Tony	Kedzierski	Wicking: Don't Sweat It	McCullough Junior High
Junior	First Place	Energy/Transportation	Wahibah	Hannan	Maglev Wind Turbine	Harmony School of Discovery
Senior	Winner	Engineering	Alexandra	Wilson	Rover Mobility Research	Friendswood High School
Senior	Winner	Energy/Transportation	andy	Chan	Three Dimensional Approach To Photovoltaic Cells	Cinco Ranch High School
Senior	Winner	Plant Science (botany)	Diamonds	Banks	Characterizing Micronutrient Density In Polished Rice Grains	Victory Early College High School
Senior	Winner	Mathematics	Divya	Kompella	Nephrons: Key To Our Rehydration	Academy of Science & Technology
Senior	Winner	Computer Science	John	Lin	Identifying Corresponding Sheet Music and Audio	Clear Lake High School
Senior	Winner	Energy/Transportation	Matthew	Caffet	Warming Up To thermoelectric Energy Generation	Academy of Science & Technology
Senior	Winner	Environmental Sciences	Micah	Taylor	Reusing Waste Water	Academy of Science & Technology
Senior	Winner	Environmental Sciences	Patrick	Harold	Modified Zeolites for Ammonia Removal	Clear Lake High School
Senior	Winner	Computer Science	Rishi	Suresh	Life Cycle Cost Optimization of Buildings	Clear Brook High School
Senior	Winner	Earth/Space Sciences	Sharron	Serio	Statistical Analysis Over Weather	Academy for Science & Health Professions
US Stockholm Jr.						
9th	First Place	Earth/Space Sciences	Annie	Turney	Errosion Prevention: Sand Socks Or Rip-Rap	Academy of Science & Technology
9th	First Place	Environmental Sciences	Caroline	Rosanky	Bacterial Bioremediation	Academy of Science & Technology
9th	Second Place	Earth/Space Sciences	Claire	Skinner	Soil Shaken By Love	Academy of Science & Technology
9th	Second Place	Environmental Sciences	Trey	Brittenum	Cooking With Trash 2	Friendswood High School
9th	Third Place	Environmental Sciences	Asma	Olajuwon	Upgrade the Degrade	Iman Academy Southwest
9th	Third Place	Earth/Space Sciences	Yashi	Prasad	Exploring Porosity	Academy of Science & Technology
Junior	First Place	Environmental Sciences	Jack	Bosco	The Algae Reaction	McCullough Junior High

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Junior	First Place	Earth/Space Sciences	Meghan	Valenta	Go With the Flow	McCullough Junior High
Junior	Second Place	Environmental Sciences	Christopher	Oxley	Biogeography of Lichen	Quail Valley Middle School
Junior	Second Place	Earth/Space Sciences	Michael	Brady	Got Dirt	McCullough Junior High
Junior	Third Place	Earth/Space Sciences	Diane	Tran	The Waterspout Chamber	St. Francis de Sales School
Junior	Third Place	Environmental Sciences	Kaitlyn	Ramirez	Could This Water Live Again?	McCullough Junior High
Senior	First Place	Earth/Space Sciences	Alejandra	Resendiz	Exhaust Filtration	Academy of Science & Technology
Senior	First Place	Environmental Sciences	Manvitha	Katta	Antimicrobial and Heavy Sequestration Capacities of Nanofilms	DeBakey High School for Health Professions
Senior	Second Place	Environmental Sciences	Kushal	Kadakia	Heavy Metal Removal Using Magnelite Nanoparticles li	Clear Lake High School
Senior	Second Place	Earth/Space Sciences	Stavros	Ktenidis	Out of Thin Airii	Academy of Science & Technology
Senior	Third Place	Environmental Sciences	Jacob	Burger	Biochar: Breaking the Carbon Cycle li	Academy of Science & Technology
Senior	Third Place	Earth/Space Sciences	William	Wu	Hurricane Landfall Location Early Prediction	Clear Lake High School
US Surgeon General						
9th	Winner	Medicine/Health	Kanchana	Raja	Genes and Drug Selection: Does One Size Fit All?	St. John's School
Junior	First Place	Medicine/Health	Kalliopi	Caldwell	Burning Calories	Billy Baines Middle School
Junior	Winner	Medicine/Health	Kalliopi	Caldwell	Burning Calories	Billy Baines Middle School
Senior	Winner	Medicine/Health	andy	Tran	Cardiac Immunosensors for Rapid Ami Diagnostics	DeBakey High School for Health Professions
United States Air force						
9th	Winner	Earth/Space Sciences	Annie	Turney	Errosion Prevention: Sand Socks Or Rip-Rap	Academy of Science & Technology
Junior	Winner	Earth/Space Sciences	Meghan	Valenta	Go With the Flow	McCullough Junior High
United States Army Awards Program						
9th	Winner	Engr/PhysicalSci (9th Team)	Khoa Yijun	Huyhn Hu	Nanorg 2.0	Bellaire Senior High School
Junior	Winner	Physical Sciences (Jr. Team)	Alissa Meghan	Kono Lu	Stability of Magnets At Extreme Tempertures	T. H. Rogers Middle School Education Center
Junior	Winner	Engr/Comp/Math (Jr. Team)	Aubrey Brynn	Frank Reynolds	Feasibility of Pneumatic and Hydraulic Lenses	Magnolia Junior High School
Junior	Winner	BehSci/Biochem/MedHeal (Jr. Team)	Douglas Shayamal	Deng Waghwala	The Effect of Age On Peripheral Vision	Westbrook Intermediate
Junior	Winner	Bot/EnvSci/Zoo (Jr. Team)	Kristine Laura	Yang Huang	Increasing Cellulose Content In Cyanobacteria	T. H. Rogers Middle School Education Center
University of Houston System						
9th	Winner	Biochemistry/Microbiology	Emily	Beaver	Musical Bacteria	Magnolia High School
9th	Winner	Engr/PhysicalSci (9th Team)	Reagan Savannah	Spexarth Byrd	Nanotubes Suspended In Diamagnetic Levitation	Academy of Science & Technology
Junior	Winner	Physics & Astronomy	Brianna	Norris	The Chair	Macario Garcia Middle School
Junior	Winner	Physical Sciences (Jr. Team)	Dylan Sergey	Vaughn Kuzmichev	Ice Crackers	
Senior	Winner	Engr/PhysicalSci (Sr. Team)	Allison Shyamsunder Toluwani	Martin Raghavan Soares	A Study of Solar Paint 2	
Senior	Winner	Medicine/Health	andy	Tran	Cardiac Immunosensors for Rapid Ami Diagnostics	DeBakey High School for Health Professions
University of Houston-Clear Lake						
9th	Winner	Environmental Sciences	Trey	Brittenum	Cooking With Trash 2	Friendswood High School
Junior	Winner	Energy/Transportation	Ryan	Hopkins	Toilets Turning Tubines	Friendswood Junior High School
Senior	Winner	Behavioral/Social Sciences	Divya	Koyyalagunta	Aiding Dementia Patients Using Rfid	Clear Lake High School
Yale Science and Engineering Association						
9th	First Place	Chemistry	Alicia	Kong	Improving the Fire Blanket	Academy of Science & Technology
Senior	First Place	Physics & Astronomy	Roberto	Dailey	Accessing Real World Data for Rendering	the Academy of Science & Technology
Senior	First Place	Engineering	Samantha	Coday	Feeling Fuzzy?!!	Academy of Science & Technology
Senior	Second Place	Computer Science	Roma	Pradhan	Train the Artificial Brain	Friendswood High School

Division	Place	Category	First Name	Last Name	Exhibit Title	School
Zeta Phi Beta Sorority, Incorporated - Lambda Zeta Chapter						
Junior	First Place	Behavioral/Social Sciences	Amberlyn	Mccartney	What Effect Does Video Games and Age Have On Blood Pressure	San Jacinto Intermediate
Junior	First Place	Physics & Astronomy	Bolatito	Adeyeri	Lift! the Effect of Wing Shape	Trafton Academy
Junior	First Place	Chemistry	Carly	Tinsley	Going Places With Acids and Bases	St. Anthony of Padua Catholic School
Junior	First Place	Medicine/Health	Eddie	Hepburn	Extreme Seeing! Tetrachromacy In Humans	Grace Middle School