

DIV	Place	Category	First Name	Last Name	Title Of Project	School
<b>AIR ALLIANCE HOUSTON</b>						
Jr	Winner	Environmental Sciences	Trenton	Allison	Ozone And Air Particle Pollution	League City Inter School
Jr	Winner	Bot/EnvSci/Zoo	Andrea	Carr	Does Houston Create Its Own Weather?	Westbriar MS
Jr	Winner	Bot/EnvSci/Zoo	Violet	Lanman	Does Houston Create Its Own Weather?	Westbriar MS
Jr	Winner	Bot/EnvSci/Zoo	Skylar	Bantz	Does Houston Create Its Own Weather?	Westbriar MS
9th	Winner	Energy/Transportation	Berrill	Behrens	Environmental Factors Affecting Solar Cells	Woodlands College Park HS
9th	Winner	Life Sciences	Jamie	Jelinek	Green Cleaning	Ridge Point HS
9th	Winner	Life Sciences	Chandler	Mcneely	Green Cleaning	Ridge Point HS
9th	Winner	Life Sciences	Vance	Vaughan	Green Cleaning	Ridge Point HS
Sr	Winner	Medicine/Health	Ruhika	Roy	Up In Smoke: The Detection Of Cadmium	Hightower HS
Sr	Winner	Life Sciences	Alexander	Chu	Splitting Water: A Glimpse Into The Future	Bellaire Senior HS
Sr	Winner	Life Sciences	Laugen	He	Splitting Water: A Glimpse Into The Future	Bellaire Senior HS
Sr	Winner	Life Sciences	Elliot	Levy	Splitting Water: A Glimpse Into The Future	Bellaire Senior HS
<b>ALUMNI CLUB OF MIT</b>						
Sr	First	Engineering	Nicholas	McCoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
9th	First	Engineering	Justin	Dupont	Concrete Quandary	Clear Falls HS
Jr	First	Engineering	Alicia	Millar	To The Limit	Space Center Inter
<b>AMERICAN CHEMICAL SOCIETY-GREATER HOUSTON SECTION</b>						
Jr	Winner	Chemistry	Travis	Dill	So You Want To Split Water?	McCullough Junior High
Jr	Winner	Chemistry	Hannah	Weinstein	Effects Of Uvb Light On Wool	McCullough Junior High
9th	Winner	Chemistry	Perry	Algappan	Correlation: Enzymatic/Non-Enzymatic Glucose Assays	Clear Lake HS
9th	Winner	Chemistry	Amy	Smith	Melt That Chocolate	Acad of Sci & Technology
Sr	Winner	Chemistry	Neerja	Aggarwal	Carbon Nanotube Synthesis And Characterization Ii	Hightower HS
Sr	Winner	Chemistry	Oliver	Quintero	Synthesis of a new ionic liquid for electrochemical studies	John Cooper School
<b>AMERICAN INDUSTRIAL HYGIENE ASSOCIATION-GULF COAST SECTION</b>						
Sr	First	Engineering	Nicholas	McCoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
Sr	First	Environmental Sciences	Lauren	Peplinski	Get The Lead Out: Phytoremediation Of Lead In Water	Friendswood HS
Sr	First	Medicine/Health	Grant	Halbauer	Eliminating Post-Carbohydrate Hyperglycemia	Acad for Sci & Health Prof
<b>AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, SOUTH TEXAS SECTION</b>						
Jr	Winner	Energy/Transportation	Wittiker	Schlauch	The Algebraic Solution	Westbrook Inter
9th	Winner	Chemistry	Kushal	Kadakia	Heavy Metal Removal Using Magnetite Nanoparticles	Clear Lake HS
Sr	Winner	Chemistry	Neerja	Aggarwal	Carbon Nanotube Synthesis And Characterization Ii	Hightower HS
Sr	Winner	Chemistry	Michelle	Chao	Symmetry Breaking In Phase Change Materials	DeBaKey HS for Health Prof
<b>AMERICAN METEOROLOGICAL SOCIETY-HOUSTON CHAPTER</b>						
Sr	First	Environmental Sciences	Kira	Kurtzman	Drought Bailout Doubt	Clear Lake HS

Sr	Second	Earth/Space Sciences	Meghan	Brinton	Return Of The Jetty	Clear Lake HS
Sr	Third	Earth/Space Sciences	Anthony	Morris	How's The Weather?	Acad for Sci & Health Prof
9th	First	Earth/Space Sciences	Stavros	Ktenidis	Out Of Thin Air	Acad of Sci & Technology
9th	Second	Engineering	Christopher	Stenerson	Blowin' In The Wind	Clear Lake HS
9th	Third	Earth/Space Sciences	Blake	Vacek	Wind Effects On Structures	Acad for Sci & Health Prof
Jr	First	Earth/Space Sciences	Maya	Patel	Gauging Inferno Sprawl	McCullough Junior High
Jr	Second	Earth/Space Sciences	Alan	Hurlbert	Tornado Power	Seabrook Inter
Jr	Third	Earth/Space Sciences	Patrick	Hall	Tsunami Safety	McCullough Junior High

**AMERICAN SOCIETY FOR QUALITY, SECTION 1405**

9th	First	Environmental Sciences	Kathryn	Delgado	Soil, Heat And Foundation Interaction	Clear Brook HS
9th	Second	Plant Science (botany)	Elena	Kramarz	Can Sap Zap A Drought?	Clear Falls HS
Jr	First	Energy/Transportation	Kunal	Chopra	Wave Energy + O.W.C.! How To Properly Harness Wave Energy	McCullough Junior High
Jr	Second	Behavioral/Social Sciences	Taylor	Pittman	Judge A Book By Its Color?	McCullough Junior High
Sr	First	Engineering	Nicholas	McCoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
Sr	Second	Physics & Astronomy	Derek	Janak	Block The Broadcast	Friendswood HS

**AMERICAN SOCIETY OF INDIAN ENGINEERS**

Jr	First	Engineering	Bill	Wehrfritz	The Plusses And Fusses Of Trusses	McCullough Junior High
Jr	Second	Engineering	Pawan	Jajoo	Prominent Parabolas	Rogers MS Education Center
Jr	Third	Engineering	Tyrique	Sanders	Flood Detection And Warning Device	Drew Acad
9th	First	Engineering	Audrey	Mckee	The Trouble With Bubbles	Friendswood HS
9th	Second	Engineering	Hunter	Adams	Microhydro Turbines	Magnolia HS
9th	Third	Engineering	Sloka	Valleru	Quiet Zone Ii	Acad of Sci & Technology
Sr	First	Engineering	Nicholas	McCoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
Sr	Second	Engineering	Daniel	Bellian	Safe Steam	Friendswood HS
Sr	Third	Engineering	Brandon	May	Optimizing Efficiency Through Utilizing Wasted Energy	Lawrence Elkins HS

**AMERICAN SOCIETY OF MATERIALS INTERNATIONAL**

9th	First	Engineering	Lauren	Brumage	Efficiency Of Thin-Film Photovoltaic Cells	Acad of Sci & Technology
9th	Second	Engineering	Audrey	Mckee	The Trouble With Bubbles	Friendswood HS
9th	Third	Engineering	Christopher	Stenerson	Blowin' In The Wind	Clear Lake HS
Jr	First	Engineering	Theresa	Phan	S. O. \$ Homes!	St. Francis de Sales School
Jr	Second	Engineering	Alicia	Millar	To The Limit	Space Center Inter
Jr	Third	Engineering	William	Liebbe	Super Shingles	John Cooper School
Sr	First	Engr/PhysicalSci	Tejus	Satish	Developing Nanocomposites For Structural Strain Sensing	Clements HS
Sr	First	Engr/PhysicalSci	Carlos	Rivero	Developing Nanocomposites For Structural Strain Sensing	Clements HS
Sr	Second	Engr/PhysicalSci	Arsheen	Memon	Smart Metals Of The Future	Harmony Sci Acad HS
Sr	Second	Engr/PhysicalSci	Shifa	Abuzaid	Smart Metals Of The Future	Harmony Sci Acad HS

Sr	Third	Engr/PhysicalSci	Shyamsunder	Raghavan	A Study Of Solar Paint	Acad of Sci & Technology
Sr	Third	Engr/PhysicalSci	Toluwani	Soares	A Study Of Solar Paint	Acad of Sci & Technology
Sr	Third	Engr/PhysicalSci	Allison	Martin	A Study Of Solar Paint	Acad of Sci & Technology

**AMERICAN SOCIETY OF MECHANICAL ENGINEERS, SOUTH TEXAS SECTION**

Sr	First	Physics & Astronomy	Shawn	Jacob	Optimal Conditions For Vortex Drag Reduction	Hightower HS
Sr	First	Physics & Astronomy	Jamie	McCullough	Get The Point?	Friendswood HS
Sr	First	Engineering	Lance	Messersmith	Best Geometry To Capture Wind Energy	Clear Brook HS

**AMERICAN SOCIETY OF MILITARY ENGINEERS, HOUSTON POST**

9th	Winner	Engineering	Justin	Dupont	Concrete Quandary	Clear Falls HS
Jr	Winner	Engineering	Ryan	Hopkins	We Have Lift!	Friendswood Junior HS
Sr	Winner	Engineering	Amy	Peryam	The Simplification Of Desalination	Friendswood HS

**AMERICAN SOCIETY OF SAFETY ENGINEERS, GULF COAST CHAPTER**

Sr	Winner	Chemistry	Haley	Nelson	Flame Resistant?	Acad of Sci & Technology
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**AMERICAN STATISTICAL ASSOCIATION-HOUSTON AREA CHAPTER**

Jr	Winner	Physics & Astronomy	Kavita	Selva	Heat Rejection, Light & Color Transmission Of Low-E Glasses	Westbrook Inter
9th	Winner	Computer Science	Gijs	Landwehr	The Statistics Of Winning	Acad of Sci & Technology
Sr	Winner	Mathematics	Matthew	Lovelace	Sample Size Does Matter	Clear Lake HS

**AMERICAN WATER WORKS ASSOCIATION-TEXAS SECTION & WATER ENVIRONMENT ASSOCIATION OF TEXAS**

Sr	First	Chemistry	Jasmin	Gildert	The End Of Chloramine	Clear Lake HS
Sr	Second	Engineering	Amy	Peryam	The Simplification Of Desalination	Friendswood HS
Sr	Third	Environmental Sciences	Shyam	Gandhi	Regional Variations In Chromium (Vi) Contamination	Clear Brook HS
9th	First	Biochemistry/Microbiology	Karan	Jerath	Water's Evil Twin	Friendswood HS
9th	Second	Biochemistry/Microbiology	Eleanor	Shaul	Natural Substances To Inhibit Bacterial Growth	Acad of Sci & Technology
9th	Third	Environmental Sciences	Gavin	Culberson	Natural Purification: A Shocking Result	Magnolia HS
Jr	First	Environmental Sciences	Michael	Calizzi	Various Fertilizers Effect On Aquatic Life	McCullough Junior High
Jr	Second	Chemistry	Summer	Elliott	Effect Of Ph On Copper Dissolution	Westbrook Inter
Jr	Third	Environmental Sciences	Varun	Rajaram	Save Our Oceans	Quail Valley MS

**CONSUMER ENERGY ALLIANCE**

Sr	First	Energy/Transportation	Mandeep	Patel	Smart Pannels	Harmony - Advancement
Sr	Second	Energy/Transportation	Caroline	Landon	Tweak The Leak	Friendswood HS
Sr	Third	Energy/Transportation	Krishna	Desai	Which Wind Turbine?	Hightower HS
9th	First	Energy/Transportation	Berrill	Behrens	Environmental Factors Affecting Solar Cells	Woodlands College Park HS
9th	Second	Energy/Transportation	Mariya	Fatakawala	Producing Ethanol	Hightower HS
9th	Third	Energy/Transportation	Hillery	Lemon	The Globe Effect On Solar Panels	Acad of Sci & Technology
Jr	First	Energy/Transportation	Michael	Bohnet	Fun In The Sun	McCullough Junior High
Jr	Second	Energy/Transportation	Kaley	Vetter	Concentrating Solar Rays	Seabrook Inter

Jr	Third	Energy/Transportation	Kunal	Chopra	Wave Energy + O.W.C.! How To Properly Harness Wave Energy	McCullough Junior High
<b>ENGINEERING, SCIENCE &amp; TECHNOLOGY COUNCIL OF HOUSTON</b>						
Sr	Finalist	Earth/Space Sciences	Meghan	Brinton	Return Of The Jetty	Clear Lake HS
Sr	Finalist	Earth/Space Sciences	Ian	Enriquez	Rolling And Sliding Away	Clear Brook HS
Sr	Finalist	Earth/Space Sciences	Brenna	Johnson	Where The Red Planets Grown - Part 2	Clear Lake HS
Sr	Finalist	Engineering	Daniel	Kline	Recycling For A Concrete Future Iii	Acad of Sci & Technology
Sr	Finalist	Engineering	Shreya	Mandal	Smart Sensing Using Rfid	Hightower HS
Sr	Finalist	Energy/Transportation	Sarah	Akbani	Janus Particles: Efficiently Extracting Heavy Oils	Stephen F. Austin HS
Sr	Finalist	Energy/Transportation	David	Bordelon	Harnessing Wave Power	Friendswood HS
Sr	Finalist	Energy/Transportation	Blake	Knox	The Gas Might Be Greener On The Other Side	Ridge Point HS
Sr	Finalist	Energy/Transportation	Mandeep	Patel	Smart Pannels	Harmony - Advancement
Sr	Finalist	Environmental Sciences	Shenali	Warnakulasuriya	Oil Attack!!!! Part 2	Ball Preparatory Acad
Sr	Finalist	Mathematics	Ellen	Zhou	Near-Earth Asteroid Collisions	Clear Brook HS
Sr	Finalist	Physics & Astronomy	Derek	Janak	Block The Broadcast	Friendswood HS
Sr	Finalist	Physics & Astronomy	Luben	Popov	Solar System Simulation	Acad of Sci & Technology
Sr	Finalist	Chemistry	Neerja	Aggarwal	Carbon Nanotube Synthesis And Characterization Ii	Hightower HS
<b>GEOPHYSICAL SOCIETY OF HOUSTON</b>						
Jr	First	Earth/Space Sciences	Jorge	Zapata	Seismograph	Harmony - Discovery
Jr	Second	Physics & Astronomy	Ahmed	Hussain	Sound Travel Through Liquid, Gas And Solid Material	Harmony Sci Acad Houston
9th	First	Engineering	Matthew	Caffet	Rise And Fall Of Faraday; Waves2	Acad of Sci & Technology
9th	First	Engr/PhysicalSci	John	Lin	Open Vz, Xen, And Kvm's Impact On Performance	Clear Lake HS
9th	First	Engr/PhysicalSci	Richie	Giang	Open Vz, Xen, And Kvm's Impact On Performance	Clear Lake HS
Sr	First	Physics & Astronomy	Rashmi	Vidyasagar	The Effect Of Length And Diameter On Sound Pitch	Clear Lake HS
Sr	First	Engr/PhysicalSci	Sam	Kanmaghaei	Bitumen Extraction In-Situ	Acad of Sci & Technology
Sr	First	Engr/PhysicalSci	Cina	Kanmaghaei	Bitumen Extraction In-Situ	Acad of Sci & Technology
<b>GREATER HOUSTON DENTAL SOCIETY</b>						
Jr	First	BehSci/Biochem/MedHeal	Daniela	Rodriguez	How Certain Drinks Affect Your Teeth	St. Anthony Cath School
Jr	First	BehSci/Biochem/MedHeal	Tico	Guerrero	How Certain Drinks Affect Your Teeth	St. Anthony Cath School
Jr	Second	BehSci/Biochem/MedHeal	Kiel	Fernandez	Effects Of Antibiotics On Bacteria	Drew Acad
Jr	Second	BehSci/Biochem/MedHeal	Majorie	Netro	Effects Of Antibiotics On Bacteria	Drew Acad
Jr	First	Animal Science (zoology)	Tucker	Patterson	The Effect Of Drinks On Teeth	Bayside Inter School
Jr	Second	Biochemistry/Microbiology	Kush	Naik	Rinse Right, Smile Bright	Seabrook Inter
Jr	Third	Medicine/Health	Catha	Peters	Teeth In Distress	Hodges Bend MS
9th	First	Biochemistry/Microbiology	Christine	Nguyen	The Caffeine Effect	Hastings Ninth Grade Center
9th	Second	Biochemistry/Microbiology	Emelie	Nelson	Staph Is Out Of This World	Friendswood HS
Sr	First	Medicine/Health	Chuhan	Wang	Improve Mouthwash Via Providone - Iodine	DeBakey HS for Health Prof

Sr	Second	Medicine/Health	Troy	Collins	Acids Vs Teeth	Acad for Sci & Health Prof
Sr	Third	Medicine/Health	Tanna	Vayon	Acidic Beverages And Amalgam Fillings	Acad for Sci & Health Prof

**GULF COAST ENVIRONMENTAL AFFAIRS GROUP**

Sr	Winner	Energy/Transportation	Sarah	Sun	A Unidirectional Light Trap For Efficiently Capturing Solar Energy	Dulles MS
Sr	Winner	Environmental Sciences	Muhammed	Cifci	Enhancing Efficiency Of Second Generation Solar Cells	Harmony Sci Acad HS
9th	Winner	Environmental Sciences	Jacob	Burger	Biochar: Breaking The Carbon Cycle	Acad of Sci & Technology
Jr	Winner	Environmental Sciences	Mason	Cole	Effect Of Cellphone Radiation On Seed Root Growth	Rogers MS Education Center

**GULF COAST SAFETY AND TRAINING GROUP**

Sr	Winner	Engr/PhysicalSci	Adam	Verma	Effect Of Laundry Products On Pollution	Clear Lake HS
Sr	Winner	Engr/PhysicalSci	Mauricio	Sotomayor	Effect Of Laundry Products On Pollution	Clear Lake HS
Sr	Winner	Energy/Transportation	Blake	Knox	The Gas Might Be Greener On The Other Side	Ridge Point HS
Jr	Winner	Chemistry	James	Brigman	Fabric On Fire	Johnston MS
9th	Winner	Chemistry	Kushal	Kadakia	Heavy Metal Removal Using Magnetite Nanoparticles	Clear Lake HS

**HARRIS COUNTY MEDICAL SOCIETY / HOUSTON ACADEMY OF MEDICINE**

Jr	First	Medicine/Health	Matthew	Liu	Red Wine In Red Worms	McCullough Junior High
Jr	Winner	Medicine/Health	Sabrina	Pickert	To Eat Less, Wrong Is Right	McCullough Junior High
Jr	Winner	Medicine/Health	Kristen	Ramirez	What's Your Stroke	McCullough Junior High
Jr	Winner	Medicine/Health	Frances	Zenner	Plop Fizz What A Relief It Is	Sidney Lanier MS
Jr	First	BehSci/Biochem/MedHeal	Susan	Ziad	1 Task, 2 Task, 3 Task Too Many	Alief MS
Jr	First	BehSci/Biochem/MedHeal	Katie	Nguyen	1 Task, 2 Task, 3 Task Too Many	Alief MS
Jr	Winner	BehSci/Biochem/MedHeal	Hong	Nguyen	Musical Intelligence	Alief MS
Jr	Winner	BehSci/Biochem/MedHeal	Katherine	Vien	Musical Intelligence	Alief MS
Jr	Winner	BehSci/Biochem/MedHeal	Katheryn	Vien	Musical Intelligence	Alief MS
9th	First	Medicine/Health	Heidi	Henricks	Vital To Survival	Friendswood HS
9th	Winner	Medicine/Health	Will	Kuglen	Eye See 3d	Acad of Sci & Technology
9th	Winner	Medicine/Health	Narainsai	Reddy	Herbal Medicine	Bellaire Senior HS
9th	Winner	Medicine/Health	Nikita	Gupta	Eye Love Light: Light Can Be Harmful To Your Health	Friendswood HS
9th	Winner	Medicine/Health	Damian	Archie	Cook Out	Ball Preparatory Acad
Sr	First	Medicine/Health	Kishore	Balasubramanian	Crossing The Blood Brain Barrier In Treating Alzheimer's	Klein Oak HS
Sr	Winner	Medicine/Health	Dorcas	Mbaeri	Breath Of Life: Does Exercise Increase Vital Capacity?	Alief Taylor HS
Sr	Winner	Medicine/Health	Tanna	Vayon	Acidic Beverages And Amalgam Fillings	Acad for Sci & Health Prof

**HEALTH PHYSICS SOCIETY**

Jr	First	Physics & Astronomy	Kiana	Bahrami	X-Rays With Adhesive Tapes	Harmony School of Discovery
Jr	Second	Biochemistry/Microbiology	Zoha	Khan	Reaping The Fruits Of Radiation	McCullough Junior High
9th	First	Physics & Astronomy	Scott	Langford	Home Detection Of A-Particle Radiation	Clear Falls HS

**HOUSTON ACADEMY OF NUTRITION AND DIETETICS**

Sr	Winner	Medicine/Health	Grant	Halbauer	Eliminating Post-Carbohydrate Hyperglycemia	Acad for Sci & Health Prof
Jr	Winner	Medicine/Health	Meghana	Gogineni	Role Of Calcium Supplements On Bone Health	Nolan Ryan Junior HS
9th	Winner	Medicine/Health	Damian	Archie	Cook Out	Ball Preparatory Acad
Jr	Winner	BehSci/Biochem/MedHeal	Arya	Patel	Preservative Peppers	The Galloway School
Jr	Winner	BehSci/Biochem/MedHeal	Lakshay	Bhagat	Preservative Peppers	The Galloway School

#### ***HOUSTON ASTRONOMICAL SOCIETY***

Jr	Third	Physics & Astronomy	Kiana	Bahrami	X-Rays With Adhesive Tapes	Harmony - Discovery
Jr	First	Physics & Astronomy	Miriam	Matney	Containing Antimatter: Part Ii	Westbrook Inter
9th	Second	Earth/Space Sciences	Emma	Bordelon	Terraforming Mars	Clear Falls HS
Jr	Second	Physics & Astronomy	Christopher	Zummallen	Defying Gravity	First Colony MS
9th	Third	Engineering	Hailey	Simpson	Unleash The Sun	Hastings Ninth Grade Center
9th	First	Physics & Astronomy	Alexander	Whatley	Extended Space Travel Bone Deterioration Model	N Houston Acad of Sci & Math
Sr	Third	Earth/Space Sciences	Anthony	Morris	How's The Weather?	Acad for Sci & Health Prof
Sr	Second	Engr/PhysicalSci	Shyamsunder	Raghavan	A Study Of Solar Paint	Acad of Sci & Technology
Sr	Second	Engr/PhysicalSci	Toluwani	Soares	A Study Of Solar Paint	Acad of Sci & Technology
Sr	Second	Engr/PhysicalSci	Allison	Martin	A Study Of Solar Paint	Acad of Sci & Technology
Sr	First	Mathematics	Ellen	Zhou	Near-Earth Asteroid Collisions	Clear Brook HS

#### ***HOUSTON GEOLOGICAL SOCIETY***

Jr	Winner	Earth/Space Sciences	Brianna	Lombardo	The Effect Of Architectural Shape On Earthquake Resistance	Westbrook Inter
9th	Winner	Energy/Transportation	Mariya	Fatakdawala	Producing Ethanol	Hightower HS
Sr	Winner	Chemistry	Marina	Cernik	We've Got Bitumen	Clear Horizons Early College HS

#### ***HOUSTON INTELLECTUAL PROPERTY LAW ASSOCIATION***

9th	First	Environmental Sciences	Natalie	Scates	Recycled Bottle Blocks	Harmony - Advancement
Sr	First	Energy/Transportation	Sarah	Akbani	Janus Particles: Efficiently Extracting Heavy Oils	Stephen F. Austin HS

#### ***INTEL CORPORATION***

Sr	Winner	Computer Science	Roma	Pradhan	Mission To Encryption	Friendswood HS
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#### ***ISA - INTERNATIONAL SOCIETY OF AUTOMATION***

Sr	First	Engineering	Nicholas	McCoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
Sr	Second	Energy/Transportation	David	Bordelon	Harnessing Wave Power	Friendswood HS
Sr	Third	Engineering	Kelly	Lemke	Effect Of Temperature On Frequency Of Instruments	Clear Brook HS

#### ***I-SWEEP INTERNATIONAL SCIENCE FAIR***

Sr	First	Energy/Transportation	Mandeep	Patel	Smart Pannels	Harmony - Advancement
Sr	Second	Energy/Transportation	Caroline	Landon	Tweak The Leak	Friendswood HS
Sr	Third	Energy/Transportation	Krishna	Desai	Which Wind Turbine?	Hightower HS
Sr	First	Engineering	Nicholas	Mccoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
Sr	Second	Engineering	Shreya	Mandal	Smart Sensing Using Rfid	Hightower HS

Sr	Third	Engineering	Brandon	May	Optimizing Efficiency Through Utilizing Wasted Energy	Lawrence Elkins HS
Sr	First	Environmental Sciences	Nick	Treuil	Recycling Plastics: Sink Or Swim?	Clear Brook HS
Sr	Second	Environmental Sciences	Shenali	Warnakulasuriya	Oil Attack!!!! Part 2	Ball Preparatory Acad
Sr	Third	Environmental Sciences	Lauren	Peplinski	Get The Lead Out: Phytoremediation Of Lead In Water	Friendswood HS
9th	First	Engineering	Matthew	Caffet	Rise And Fall Of Faraday; Waves2	Acad of Sci & Technology
9th	Second	Engineering	Audrey	Mckee	The Trouble With Bubbles	Friendswood HS
9th	First	Environmental Sciences	Jacob	Burger	Biochar: Breaking The Carbon Cycle	Acad of Sci & Technology
9th	Second	Environmental Sciences	Taylor	Cubbage	Pond Scum To Biofuel	Friendswood HS

#### **JOHN M. DI IORIO**

Sr	First	Energy/Transportation	Mandeep	Patel	Smart Pannels	Harmony - Advancement
Sr	Second	Mathematics	Ellen	Zhou	Near-Earth Asteroid Collisions	Clear Brook HS
Sr	Third	Earth/Space Sciences	Adrien	Bautista	Solar Distillation	Acad for Sci & Health Prof
Sr	Fourth	Physics & Astronomy	Rebecca	Rodriguez	Mental Intention, Control The Reg-1	Bellaire Senior HS

#### **MARINE TECHNOLOGY SOCIETY**

Sr	First	Earth/Space Sciences	Meghan	Brinton	Return Of The Jetty	Clear Lake HS
Sr	Second	Energy/Transportation	David	Bordelon	Harnessing Wave Power	Friendswood HS
9th	First	Environmental Sciences	Micah	Taylor	Soaking Up Co2	Acad of Sci & Technology
9th	Second	Engineering	Amber	Avila	Making Electricity With Wind	Acad for Sci & Health Prof
Jr	First	Environmental Sciences	Korrina	Hawkins	Oil Absorption	Bear Branch Jr. High
Jr	Second	Engineering	Tyler	Raboin	Waves Vs Seawalls 3: Floating Disruptors	Seabrook Inter

#### **NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)**

Sr	Winner	Earth/Space Sciences	Meghan	Brinton	Return Of The Jetty	Clear Lake HS
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#### **OSWEGO GENIUS OLYMPIAD**

Sr	Winner	Environmental Sciences	Nick	Treuil	Recycling Plastics: Sink Or Swim?	Clear Brook HS
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#### **RICE UNIVERSITY ENGINEERING ALUMNI**

Sr	Winner	Engineering	Brandon	May	Optimizing Efficiency Through Utilizing Wasted Energy	Lawrence Elkins HS
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#### **RICE UNIVERSITY GEORGE R. BROWN SCHOOL OF ENGINEERING**

Sr	Winner	Engineering	Nicholas	McCoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
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#### **RICOH AMERICAS CORPORATION**

Sr	Winner	Environmental Sciences	Nick	Treuil	Recycling Plastics: Sink Or Swim?	Clear Brook HS
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#### **SIGMA XI, THE RESEARCH SOCIETY-RICE UNIVERSITY, TEXAS MEDICAL CENTER CHAPTER**

Sr	Winner	Physics & Astronomy	Jamie	McCullough	Get The Point?	Friendswood HS
Sr	Winner	Behavioral/Social Sciences	Grant	Zhao	A Study Of Body Weight Control And Obesity Prevention	Clements HS

#### **SOCIETY OF PLASTICS ENGINEERS-SOUTH TEXAS SECTION**

Sr	First	Energy/Transportation	Sarah	Akbani	Janus Particles: Efficiently Extracting Heavy Oils	Stephen F. Austin HS
Sr	Second	Environmental Sciences	Nick	Treuil	Recycling Plastics: Sink Or Swim?	Clear Brook HS

Sr	First	Engr/PhysicalSci	Nick	Spehar	Effect Of Plastic Type And Environment On Water	Clear Falls HS
Sr	First	Engr/PhysicalSci	Samuel	Hurley	Effect Of Plastic Type And Environment On Water	Clear Falls HS
9th	First	Environmental Sciences	Natalie	Scates	Recycled Bottle Blocks	Harmony - Advancement
Jr	First	Plant Science (botany)	Lucy	Stinn	Hdpe's Effects On Plant Growth	Bear Branch Jr. High
Jr	Second	Physics & Astronomy	Kiana	Bahrami	X-Rays With Adhesive Tapes	Harmony - Discovery

***SOCIETY OF WOMEN ENGINEERS - HOUSTON AREA SECTION***

Jr	First	Energy/Transportation	Kaley	Vetter	Concentrating Solar Rays	Seabrook Inter
Jr	Second	Environmental Sciences	Katelyn	Bouthillette	Grey Water = Green Plants	McCullough Junior High
Jr	Third	Mathematics	Katie	Macdonald	An-Goals!	McCullough Junior High
	Honorable					
Jr	Mention	Computer Science	Madison	Coleman	Seeing Things In A Different Light	Knox Junior High
9th	First	Engineering	Audrey	Mckee	The Trouble With Bubbles	Friendswood HS
9th	Second	Energy/Transportation	Berrill	Behrens	Environmental Factors Affecting Solar Cells	Woodlands College Park HS
9th	Third	Chemistry	Amanda	Vickery	Dog Saliva Vs Bacteria	Magnolia West HS
	Honorable					
9th	Mention	Medicine/Health	Heidi	Henricks	Vital To Survival	Friendswood HS
Sr	First	Engineering	Shreya	Mandal	Smart Sensing Using Rfid	Hightower HS
Sr	Second	Physics & Astronomy	Jamie	McCullough	Get The Point?	Friendswood HS
Sr	Third	Physics & Astronomy	Lina	Piprek	Flag Dynamics	Acad of Sci & Technology
	Honorable					
Sr	Mention	Medicine/Health	Cynthia	Yusuf	Effect Of Essential Oils On Mrsa	Acad of Sci & Technology
	Honorable					
Sr	Mention	Plant Science (botany)	Sabika	Hussain	Curcumin Vs Cancer: The Effects	Travis HS

***SOUTHWESTERN BRANCH OF THE ENTOMOLOGICAL SOCIETY OF AMERICA***

Sr	First	Animal Science (zoology)	Victoria	Dobbie	Exterminating The Solenopsis Invicta: Part Iii	Woodlands College Park HS
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***SWARALAYAM ARTS FORUM***

Jr	First	BehSci/Biochem/MedHeal	Hong	Nguyen	Musical Intelligence	Alief MS
Jr	First	BehSci/Biochem/MedHeal	Katherine	Vien	Musical Intelligence	Alief MS
Jr	First	BehSci/Biochem/MedHeal	Katheryn	Vien	Musical Intelligence	Alief MS
Sr	First	Engr/PhysicalSci	Yesica	Franco	Music's Effect On Heart Rate	Jefferson Davis HS
Sr	First	Engr/PhysicalSci	Mayela	Maldonado	Music's Effect On Heart Rate	Jefferson Davis HS

***THE KRISHEN FOUNDATION FOR ARTS & SCIENCES***

Sr	Winner	Medicine/Health	Diana	Ruan	Prostate Cancer Stem Cells Promoted By Inflammatory Pge2	Bellaire Senior HS
Sr	Winner	Physics & Astronomy	Jamie	McCullough	Get The Point?	Friendswood HS
Sr	Winner	Chemistry	Neerja	Aggarwal	Carbon Nanotube Synthesis And Characterization Ii	Hightower HS
Sr	Winner	Mathematics	Ellen	Zhou	Near-Earth Asteroid Collisions	Clear Brook HS

9th	Winner	Mathematics	Patrick	Pan	Mathematical Algorithms The Search For The Next Prime	Clear Lake HS
9th	Winner	Physics & Astronomy	Kyle	Kroes	Coefficients Of Drag Force	Acad of Sci & Technology
9th	Winner	Chemistry	Perry	Algappan	Correlation: Enzymatic/Non-Enzymatic Glucose Assays	Clear Lake HS
Jr	Winner	Biochemistry/Microbiology	Jack	Galvin	Honey's Anti-Bacterial Properties	McCullough Junior High
Jr	Winner	Physics & Astronomy	Miriam	Matney	Containing Antimatter: Part Ii	Westbrook Inter
Jr	Winner	Chemistry	Janet	Sonka	Forensic Fingerprinting Using Household Powders	Knox Junior High

**U.S. NAVAL SCIENCE AWARDS PROGRAM - OFFICE OF THE CHIEF OF NAVAL RESEARCH. ON THE BEHALF OF REAR ADMIRAL NEVIN P. CARR**

Jr	Winner	Computer Science	Anshuman	Kumar	Fastest Symmetric Encryption Method For Encrypting Images	Westbrook Inter
Jr	Winner	Chemistry	Madeline	McCoy	Seeing Red Ii	McCullough Junior High
Jr	Winner	Physics & Astronomy	Miriam	Matney	Containing Antimatter: Part Ii	Westbrook Inter
Jr	Winner	Physics & Astronomy	Megan	Sham	Stealthy Shapes	Dulles MS
Jr	Winner	Physics & Astronomy	Alex	Street	Discover The Hover	McCullough Junior High
Jr	Winner	Chemistry	Travis	Dill	So You Want To Split Water?	McCullough Junior High
Jr	Winner	Chemistry	James	Brigman	Fabric On Fire	Johnston MS
Jr	Winner	Chemistry	Janet	Sonka	Forensic Fingerprinting Using Household Powders	Knox Junior High
Jr	Winner	Engineering	Pawan	Jajoo	Prominent Parabolas	Rogers MS Education Center
Jr	Winner	Engineering	Diana	Elhaj	Wiimote: The New Interactive Whiteboard	Harmony - Sugar Land
Sr	Winner	Physics & Astronomy	Jamie	McCullough	Get The Point?	Friendswood HS
Sr	Winner	Environmental Sciences	Muhammed	Cifci	Enhancing Efficiency Of Second Generation Solar Cells	Harmony Sci Acad HS
Sr	Winner	Physics & Astronomy	Shawn	Jacob	Optimal Conditions For Vortex Drag Reduction	Hightower HS
Sr	Winner	Physics & Astronomy	Derek	Janak	Block The Broadcast	Friendswood HS
9th	Winner	Physics & Astronomy	Alexander	Whatley	Extended Space Travel Bone Deterioration Model	N Houston Acad of Sci & Math
9th	Winner	Chemistry	Nicholas	Roccaforte	Amazing Water Splitting Catalyst	Acad for Sci & Health Prof
9th	Winner	Chemistry	Kushal	Kadakia	Heavy Metal Removal Using Magnetite Nanoparticles	Clear Lake HS
9th	Winner	Engineering	Christopher	Stenerson	Blowin' In The Wind	Clear Lake HS
Sr	Winner	Engineering	Shreya	Mandal	Smart Sensing Using Rfid	Hightower HS
Sr	Winner	Environmental Sciences	Lauren	Peplinski	Get The Lead Out: Phytoremediation Of Lead In Water	Friendswood HS

**UNITED STATES AIR FORCE**

Jr	Winner	Mathematics	Remy	Boudousquie	Benford's Law	Clifton MS
Jr	Winner	Computer Science	Zahrah	Agha	Word For Word	Harmony - Sugar Land
Jr	Winner	Engineering	Tyler	Raboin	Waves Vs Seawalls 3: Floating Disruptors	Seabrook Inter
Jr	Winner	Behavioral/Social Sciences	Taylor	Pittman	Judge A Book By Its Color?	McCullough Junior High

**UNITED STATES ARMY AWARDS PROGRAM**

Sr	Winner	Engineering	Nicholas	McCoy	An Alternative Optical Analyzer Ii	Acad of Sci & Technology
Sr	Winner	Environmental Sciences	Nick	Treuil	Recycling Plastics: Sink Or Swim?	Clear Brook HS
Sr	Winner	Mathematics	Ellen	Zhou	Near-Earth Asteroid Collisions	Clear Brook HS

Sr	Winner	Computer Science	Roma	Pradhan	Mission To Encryption	Friendswood HS
Sr	Winner	Chemistry	Neerja	Aggarwal	Carbon Nanotube Synthesis And Characterization li	Hightower HS
Sr	Winner	Behavioral/Social Sciences	Divya	Koyyalagunta	Effect Of A/V Prompting On Dementia Patients	Clear Lake HS
9th	Winner	Plant Science (botany)	Elena	Kramarz	Can Sap Zap A Drought?	Clear Falls HS
9th	Winner	Behavioral/Social Sciences	Megan	Van De Walle	Trainable Chickens	Acad for Sci & Health Prof
9th	Winner	Medicine/Health	Narainsai	Reddy	Herbal Medicine	Bellaire Senior HS
9th	Winner	Physics & Astronomy	Kyle	Kroes	Coefficients Of Drag Force	Acad of Sci & Technology
9th	Winner	Energy/Transportation	Berrill	Behrens	Environmental Factors Affecting Solar Cells	Woodlands College Park HS
9th	Winner	Biochemistry/Microbiology	Sachin	Menta	Antibacterial Properties Of Prodigiosin	Clear Lake HS
9th	Winner	Animal Science (zoology)	Sarah	Meidel	What Kills Ear Mites?	Acad of Sci & Technology
9th	Winner	Earth/Space Sciences	Dat	Huynh	Don't Drown In Soil	Alief Early College HS

**UNIVERSITY OF HOUSTON-DOWNTOWN**

Jr	Winner	Energy/Transportation	Wittiker	Schlauch	The Algebraic Solution	Westbrook Inter
9th	Winner	Chemistry	Andrew	Gilbert	Spark It Up!	Harmony - Advancement
Sr	Winner	Physics & Astronomy	Rebecca	Rodriguez	Mental Intention, Control The Reg-1	Bellaire Senior HS
Sr	Winner	Life Sciences	Audrey	Wassef	Predicting Academic Performance	Clear Lake HS
Sr	Winner	Life Sciences	Christina	Wassef	Predicting Academic Performance	Clear Lake HS
Sr	Winner	Life Sciences	Stephanie	Hoffman	Predicting Academic Performance	Clear Lake HS

**UNIVERSITY OF HOUSTON-DOWNTOWN SCHOLARS ACADEMY**

Sr	Winner	Physics & Astronomy	Jamie	McCullough	Get The Point?	Friendswood HS
Sr	Winner	Physics & Astronomy	Emily	Beisert	The Energy Spectrum Of Granite's Radiation	Clear Lake HS