

2010 Science Engineering Fair of Houston Special Award Winners

DIV	AWARD	CATEGORY	FIRST NAME	LAST NAME	EXHIBIT TITLE	SCHOOL
ALUMNI CLUB OF MIT						
JR	1ST	ENGINEERING	TEJUS	SATISH	VIBRATION CONTROL USING TUNED MASS DAMPERS	FIRST COLONY MIDDLE SCHOOL
9TH	1ST	ENGINEERING	SUHEYLA	CAVDAR	THERMAL TRANSPORTATION OF NANOFUIDS	HARMONY SCIENCE ACADEMY HOUSTON
SR	1ST	ENGINEERING	JOHN	ROBERTS	REDUCE, REUSE, INSULATE?	THE ACADEMY OF SCIENCE & TECH
AMERICAN CHEMICAL SOCIETY-GREATER HOUSTON SECTION						
JR	WINNER	CHEMISTRY	MARINA	CERNIK	FUEL OF THE FUTURE	SEABROOK INTERMEDIATE
JR	WINNER	CHEMISTRY	ERIC	YU	CONCRETE RULES!	MCCULLOUGH JR HIGH
9TH	WINNER	CHEMISTRY	JONATHAN	ALLING	SUPER CONCRETE	THE ACADEMY OF SCIENCE & TECH
9TH	WINNER	CHEMISTRY	GRANT	JACOBSEN	GROWING IN ACID AND ALKALI SOILS	ACADEMY OF SCIENCE & TECH
SR	WINNER	CHEMISTRY	NEERJA	AGGARWAL	FROM ALGAE TO ENERGY	HIGHTOWER HIGH SCHOOL
SR	WINNER	CHEMISTRY	SUNIL	PAI	AFFORDABLE ELECTRO CHEMISTRY LAB FOR HIGH SCHOOLS	KINKAID SCHOOL
AMERICAN INDUSTRIAL HYGIENE ASSOCIATION-GULF COAST SECTION						
SR	1ST	MEDICINE/HEALTH	JAKE	KORNBLAU	BREW YOUR OWN CHEMOTHERAPY	CLEAR CREEK HIGH SCHOOL
SR	1ST	ENGINEERING	NELSON	GRAJALES	CLICK CLACK	HARMONY SCHOOL OF EXCELLENCE
SR	1ST	ENVIRONMENTAL SCIENCES	MADLINE	LANDON	GET THE LEAD OUT	FRIENDSWOOD HIGH SCHOOL
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, SOUTH TEXAS SECTION						
JR	WINNER	BIOCHEMISTRY/MICROBIOLOGY	CHELSEA	TRUONG	BIO-DIESEL HERO	HARMONY SCIENCE ACADEMY HOUSTON
9TH	WINNER	ENERGY/TRANSPORTATION	ALLISON	MARTIN	STUDY OF LIPID CONTENT IN ALGAE	ACADEMY OF SCIENCE & TECH
SR	WINNER	CHEMISTRY	NEERJA	AGGARWAL	FROM ALGAE TO ENERGY	HIGHTOWER HIGH SCHOOL
SR	WINNER	ENGINEERING	AUDREY	PELTIER	PUMP IT UP	TRAVIS HIGH SCHOOL
AMERICAN METEOROLOGICAL SOCIETY-HOUSTON CHAPTER						
JR	1ST	EARTH/SPACE SCIENCES	KYLE	KROES	REFLECTING ON GLOBAL WARMING	MCCULLOUGH JR HIGH
JR	2ND	EARTH/SPACE SCIENCES	TIMOTHY	MESSEN	MOON AND RAIN: IS THERE A CONNECTION?	T. H. ROGERS MIDDLE SCHOOL ED CENTER
JR	3RD	EARTH/SPACE SCIENCES	CARLOS	RIVERO-LOPEZ	SLIPPING, SLIDING, AND CREEPING: A STUDY OF GLACIAL MOTION	FIRST COLONY MIDDLE SCHOOL
9TH	1ST	ENVIRONMENTAL SCIENCES	VINIJT	DHABALIA	EFFECT OF HAZE DURING COURSE OF THE DAY	CLEAR LAKE HIGH SCHOOL
9TH	2ND	ENVIRONMENTAL SCIENCES	RAJU	BEHARA	WATER PURIFICATION USING SOLAR ENERGY	ACADEMY OF SCIENCE & TECH
9TH	3RD	ENVIRONMENTAL SCIENCES	STEVEN	AUZENNE	SOLAR CELL OUTPUT VS. TEMPERATURE	FRIENDSWOOD HIGH SCHOOL
SR	1ST	ENGINEERING	JONATHAN	ZAPATA	HURRICANE DAMAGE PART II	CLEAR BROOK HIGH SCHOOL
SR	2ND	EARTH/SPACE SCIENCES	MACY	BRINTON	THE MANY FACES OF A SEAWALL	CLEAR LAKE HIGH SCHOOL
SR	3RD	EARTH/SPACE SCIENCES	ARIANNA	BARRERA	WHAT TYPE OF ROOF WILL WITHSTAND HURRICANE WINDS?	ACADEMY FOR SCIENCE & HEALTH PROF
AMERICAN SOCIETY FOR QUALITY, SECTION 1405						
JR	1ST	MEDICINE/HEALTH	ANITA	RAO	SLEEP: INTRINSIC & EXTRINSIC STIMULI ON TEEN ADOLESCENTS	BERRY MILLER JR HIGH
JR	2ND	MATHEMATICS	ELAINE	SHEN	PASCAL'S PROBABILITY PROBLEM	T. H. ROGERS MIDDLE SCHOOL ED CENTER
JR	3RD	MATHEMATICS	ANNIE	CHANG	THINKING IN CIRCLES	QUAIL VALLEY MIDDLE SCHOOL
9TH	1ST	PHYSICS & ASTRONOMY	NICHOLAS	MCCOY	TESTING THE EFFICIENCY OF INDUCTIVE COUPLING	ACADEMY OF SCIENCE & TECH
9TH	2ND	ENVIRONMENTAL SCIENCES	TOLUWANI	SOARES	MISSION POSSIBLE: OIL SPILL CLEAN-UP	THE ACADEMY OF SCIENCE & TECH
9TH	3RD	ENVIRONMENTAL SCIENCES	LAUREN	LINEHAN	BIOREMEDIATION AND FERTILIZER ON BEACHES	ACADEMY OF SCIENCE & TECH
SR	1ST	PHYSICS & ASTRONOMY	LYRIC	GILLETT	MEASURING HIGH ENERGIES IN SONOLUMINESCENCE	CORNERSTONE HIGH HOMESCHOOL
SR	2ND	MEDICINE/HEALTH	JIAWEN	WEI	KLF4A, A TARGET FOR PANCREATIC CANCER	BELLAIRE SR HIGH SCHOOL
SR	3RD	ENERGY/TRANSPORTATION	KIM	TRAN	A NIGHTTIME SOLAR PANEL	CLEAR LAKE HIGH SCHOOL

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AMERICAN SOCIETY OF INDIAN ENGINEERS

JR	1ST	ENGINEERING	TEJUS	SATISH	VIBRATION CONTROL USING TUNED MASS DAMPERS	FIRST COLONY MIDDLE SCHOOL
JR	2ND	ENGINEERING	NOE	ELIZONDO	AMP IT UP!	DREW ACADEMY
JR	3RD	ENGINEERING	KARLO	REMIGIO	PASSIVE HEATING AND COOLING	T. H. ROGERS MIDDLE SCHOOL ED CENTER
9TH	1ST	ENGINEERING	MEGHAN	MISTRY	SWIFTER THAN SHARKS	CLEAR CREEK HIGH SCHOOL
9TH	2ND	ENGINEERING	ERIC	FRIS	A CLEAR SOLUTION FOR CLEAR WATER	ACADEMY OF SCIENCE & TECH
9TH	3RD	ENGINEERING	RHYS	KROES	TENSILE STRENGTH OF COTTON FIBERS	ACADEMY OF SCIENCE & TECH
SR	1ST	ENGINEERING	TRAVIS	MOHLE	THE EFFECT OF HOME DESIGN ON WIND DRAG	CLEAR LAKE HIGH SCHOOL
SR	2ND	ENGINEERING	SHAHIN	FIROUZBAKHT	MOTION OF THE OCEAN	FRIENDSWOOD HIGH SCHOOL
SR	3RD	ENGINEERING	SNEHA	GOTETI	COMPARING TYPES OF ENGINES	CLEMENTS HIGH SCHOOL

AMERICAN SOCIETY OF MATERIALS INTERNATIONAL

JR	1ST	ENVIRONMENTAL SCIENCES	CASPAR	STINN	MODIFYING PLASTIC DECOMPOSITION RATE	BEAR BRANCH JR. HIGH
JR	2ND	CHEMISTRY	JINGHAN	ZHANG	THERMOREVERSIBLE POLYMER	T. H. ROGERS MIDDLE SCHOOL ED CENTER
JR	3RD	CHEMISTRY	CHRISTINA	SOISSON	STRENGTHENING NATURAL RUBBER USING NANOCOMPOSITES	WESTBROOK INTERMEDIATE
9TH	1ST	EARTH/SPACE SCIENCES	LUCIE	RODRIGUEZ	POROSITY VS SAND GRAINS	ACADEMY OF SCIENCE & TECH
9TH	2ND	CHEMISTRY	CHASE	MURPHY	MOTOR OIL VISCOSITY	ACADEMY FOR SCIENCE & HEALTH PROF
9TH	3RD	ENGINEERING	SUHEYLA	CAVDAR	THERMAL TRANSPORTATION OF NANOFUIDS	HARMONY SCIENCE ACADEMY HOUSTON
SR	1ST	ENGINEERING	COREY	ROSS	NANO POLARIZING POWER	HARMONY SCIENCE ACADEMY HOUSTON
SR	2ND	CHEMISTRY	AMBER	ANSARI	NANOPARTICLE SYNTHESIS	HIGHTOWER HIGH SCHOOL
SR	3RD	ENGINEERING	JOHN	ROBERTS	REDUCE, REUSE, INSULATE?	THE ACADEMY OF SCIENCE & TECH

AMERICAN SOCIETY OF MECHANICAL ENGINEERS, SOUTH TEXAS SECTION

SR	WINNER	ENGINEERING	JOHN	ROBERTS	REDUCE, REUSE, INSULATE?	THE ACADEMY OF SCIENCE & TECH
SR	WINNER	ENGINEERING	NATALIE	MARSHALL	AERODYNAMIC BRICKS	ACADEMY FOR SCIENCE & HEALTH PROF
SR	WINNER	ENGINEERING	BRIAN	STUTZMAN	ON THE FLY	MAGNOLIA WEST HIGH SCHOOL
SR	WINNER	ENERGY/TRANSPORTATION	VICTORIA	ARMSTRONG	BEAT THE HEAT: A STUDY OF RADIANT BARRIERS	CLEAR LAKE HIGH SCHOOL

AMERICAN SOCIETY OF SAFETY ENGINEERS, GULF COAST CHAPTER

JR	1ST	BEHAVIORAL/SOCIAL SCIENCES	NADIA	ABUZAID	CAUTION! CELL PHONE IN USE	HARMONY SCHOOL OF SCIENCE
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AMERICAN STATISTICAL ASSOCIATION-HOUSTON AREA CHAPTER

JR	WINNER	MATHEMATICS	ELAINE	SHEN	PASCAL'S PROBABILITY PROBLEM	T. H. ROGERS MIDDLE SCHOOL ED CENTER
9TH	WINNER	BEHAVIORAL/SOCIAL SCIENCES	KRISHNA	PATEL	THE EFFECT OF PRAYER ON DEPRESSION	CLEAR LAKE HIGH SCHOOL
SR	WINNER	BEHAVIORAL/SOCIAL SCIENCES	WEN	FANG	HOW RANDOM ARE YOU: HUMAN PERCEPTION AND BEHAVIORS	BELLAIRE SR HIGH SCHOOL

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

JR	1ST	ENVIRONMENTAL SCIENCES	EUGENIA	VASILYEVA	CERAMIC FILTRATION OF ARSENIC, FERRIC CHLORIDE AND CHLORINE	WESTBROOK INTERMEDIATE
JR	2ND	ENGINEERING	HADIQA	MEMON	GO GREEN WITH HYDROELECTRICITY	ALBRIGHT MIDDLE SCHOOL
JR	3RD	ANIMAL SCIENCE (ZOOLOGY)	ALEXIS	PERROUX	SALTY SEA MONKEYS	SARTARTIA MIDDLE SCHOOL
9TH	1ST	ENVIRONMENTAL SCIENCES	KEERTHANA	PAKAHATI	EFFECTS OF PHOSPHORUS ON AQUATIC PLANTS	THE ACADEMY OF SCIENCE & TECH
9TH	2ND	ENGINEERING	NADER	ASGARI-TARI	SALT BE GONE!!!	FRIENDSWOOD HIGH SCHOOL
9TH	3RD	ENGINEERING	ERIC	FRIS	A CLEAR SOLUTION FOR CLEAR WATER	ACADEMY OF SCIENCE & TECH
SR	1ST	ENVIRONMENTAL SCIENCES	LIN	BOYNTON	THE EFFECT OF PHARMACEUTICAL RESIDUES IN WASTEWATER	BELLAIRE SR HIGH SCHOOL
SR	2ND	ENVIRONMENTAL SCIENCES	MADLINE	LANDON	GET THE LEAD OUT	FRIENDSWOOD HIGH SCHOOL

2010 Science Engineering Fair of Houston Special Award Winners

SR	3RD	BIOCHEMISTRY/MICROBIOLOGY	MEGAN	REUTZEL	THE SUNS DISINFECTANT: DISINFECTING WATER WITH LIGHT	THE ACADEMY OF SCIENCE & TECH
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ENGINEERING, SCIENCE & TECHNOLOGY COUNCIL OF HOUSTON

SR	WINNER	SR	OLIVIA	MEYER	CELL PHONE CONVERSATION AFFECT REACTION TIME?	ACADEMY FOR SCIENCE & HEALTH PROF
SR	WINNER	ANIMAL SCIENCE (ZOOLOGY)	VICTORIA	DOBBIE	EXTERMINATING THE SOLENOPSIS INVICTA	THE ACADEMY OF SCIENCE & TECH
SR	WINNER	PHYSICS & ASTRONOMY	JASMINE	LI	BEST & WORST SEAT IN THE HOUSE	FRIENDSWOOD HIGH SCHOOL
SR	WINNER	ENGINEERING	COREY	ROSS	NANO POLARIZING POWER	HARMONY SCIENCE ACADEMY HOUSTON
SR	WINNER	ENERGY/TRANSPORTATION	MISHAEL	PATTERSON	NUT-O-ENERGY	JEFFERSON DAVIS HIGH SCHOOL
SR	WINNER	ENERGY/TRANSPORTATION	KIM	TRAN	A NIGHTTIME SOLAR PANEL	CLEAR LAKE HIGH SCHOOL
SR	WINNER	ENERGY/TRANSPORTATION	VICTORIA	ARMSTRONG	BEAT THE HEAT: A STUDY OF RADIANT BARRIERS	CLEAR LAKE HIGH SCHOOL
SR	WINNER	ENGINEERING	SNEHA	GOTETI	COMPARING TYPES OF ENGINES	CLEMENTS HIGH SCHOOL
SR	WINNER	ENGINEERING	XINYI	WANG	PROGRAMMING AUTOMATIC FEEDERS PART II	THE ACADEMY OF SCIENCE & TECH
SR	WINNER	PLANT SCIENCE (BOTANY)	DESTINY	DAVIS	CARBONSPHERE	HOUSTON ACADEMY FOR INT'L STUDIES
SR	WINNER	ENVIRONMENTAL SCIENCES	LIN	BOYNTON	THE EFFECT OF PHARMACEUTICAL RESIDUES IN WASTEWATER	BELLAIRE SR HIGH SCHOOL
SR	WINNER	ENVIRONMENTAL SCIENCES	SHAHZEB	PANJWANI	BIOMASS TO BIOGAS	TRAVIS HIGH SCHOOL
SR	WINNER	ENVIRONMENTAL SCIENCES	ERNEST	OWENS	COTTON WASTE: AN EFFECTIVE INSULATOR	ELSIK HIGH SCHOOL

ENTOMOLOGICAL SOCIETY OF AMERICA

SR	WINNER	SR	VICTOR	PRIETO	EFFECTS OF UV LIGHT ON WATER BEAR'S SURVIVAL	DEBAKEY HIGH SCHOOL FOR HEALTH PROF
SR	WINNER	ANIMAL SCIENCE (ZOOLOGY)	VICTORIA	DOBBIE	EXTERMINATING THE SOLENOPSIS INVICTA	THE ACADEMY OF SCIENCE & TECH

GEOPHYSICAL SOCIETY OF HOUSTON

JR	HM	EARTH/SPACE SCIENCES	CARLOS	RIVERO-LOPEZ	SLIPPING, SLIDING, AND CREEPING: A STUDY OF GLACIAL MOTION	FIRST COLONY MIDDLE SCHOOL
JR	WINNER	EARTH/SPACE SCIENCES	CARTER	CASTEEL	WHEN WILL IT BREAK	ST. THOMAS MORE CATHOLIC SCHOOL
9TH	1ST	ENGINEERING	MEGHAN	MISTRY	SWIFTER THAN SHARKS	CLEAR CREEK HIGH SCHOOL
9TH	HM	EARTH/SPACE SCIENCES	LUCIE	RODRIGUEZ	POROSITY VS SAND GRAINS	ACADEMY OF SCIENCE & TECH
SR	WINNER	EARTH/SPACE SCIENCES	MACY	BRINTON	THE MANY FACES OF A SEAWALL	CLEAR LAKE HIGH SCHOOL

GREATER HOUSTON DENTAL SOCIETY

9TH	1ST	MEDICINE/HEALTH	GRANT	HALLBAUER	TOO SLOW FOR YOUR LOW	THE ACADEMY OF SCIENCE & TECH
JR	1ST	MEDICINE/HEALTH	KAITLIN	ALEXANDER	TOOTH DECAY	YORK JR HIGH SCHOOL
JR	1ST	BEHSCI/BIOCHEM/MEDHEAL	LAUREN	BADGER	WHITENING YOUR PEARLY WHITES	ST. ANTHONY OF PADUA CATHOLIC SCHOOL
JR	2ND	MEDICINE/HEALTH	GABRIELLA	MIGGINS	WHAT FOODS CAUSE TOOTH DECAY?	ST. ANTHONY OF PADUA CATHOLIC SCHOOL
JR	3RD	MEDICINE/HEALTH	ARICKA	ANDERSON	CAVITIES IN A CUP	BEAR BRANCH JR. HIGH
9TH	1ST	LIFE SCIENCES	WALTER	ZUNIGA	HOW SWEET ARE YOU?	9TH GRADE COLLEGE PREPARATORY ACADEMY
9TH	2ND	MEDICINE/HEALTH	RYAN	BYNUM	NATURAL REMEDIES: KILLING E. COLI NATURE'S WAY	FRIENDSWOOD HIGH SCHOOL
9TH	3RD	MEDICINE/HEALTH	KIMBERLY	CHAIREZ	SUGAR FREE HAPPILY	ALIEF TAYLOR HIGH SCHOOL
SR	1ST	BIOCHEMISTRY/MICROBIOLOGY	TON	LA	VARIOUS MOUTHWASHES ON ORAL BACTERIAL GROWTH INHIBITION	DEBAKEY HIGH SCHOOL FOR HEALTH PROF
SR	2ND	MEDICINE/HEALTH	ARIANA	RIVERA	BAD TO THE BONES	FRIENDSWOOD HIGH SCHOOL
SR	3RD	MEDICINE/HEALTH	GOPIKA	SAJIT	ACCURACY OF PULSE OXIMETER	ACADEMY OF SCIENCE & TECH

GULF COAST ENVIRONMENTAL AFFAIRS GROUP

JR	WINNER	ENERGY/TRANSPORTATION	ALBERT	YANG	POWER TO THE PANEL	JOHN COOPER SCHOOL
JR	WINNER	ENGINEERING	CHRISTOPHER	WESTON	ROOFING SLEUTHING	QUAIL VALLEY MIDDLE SCHOOL

2010 Science Engineering Fair of Houston Special Award Winners

JR	WINNER	BOT/ENVSCI/ZOO	CHRISTY	JACOBS	STOP THE CONTRIBUTION TO AIR POLLUTION	PRESBYTERIAN SCHOOL
JR	WINNER	BOT/ENVSCI/ZOO	JOSHUA	ZAMARRAN	CAN SODIUM POLYACRYLATE HELP EMERGENCY RESPONDERS?	SEABROOK INTERMEDIATE
9TH	WINNER	ENVIRONMENTAL SCIENCES	GABRIELLA	QUINTANA	OYSTER RESTORATION	FRIENDSWOOD HIGH SCHOOL
9TH	WINNER	BIOCHEMISTRY/MICROBIOLOGY	DANIEL	MASSIMINO	EFFECT OF BIOREMEDIATION ON OIL	CLEAR LAKE HIGH SCHOOL
9TH	WINNER	ENGR/PHYSICALSCI	HANNAH	BENNETT	EFFECTS OF AMMONIA ON ENGINE EMISSIONS	ACADEMY OF SCIENCE & TECH
9TH	WINNER	ENGR/PHYSICALSCI	ISHA	MITTAL	PURIFYING WATER THROUGH SOLAR DISTILLATION	ACADEMY OF SCIENCE & TECH
SR	WINNER	PLANT SCIENCE (BOTANY)	SANDHYA	THIYAGARAJAN	A CONVENIENT TRUTH	TRAVIS HIGH SCHOOL
GULF COAST SAFETY AND TRAINING GROUP						
JR	WINNER	BEHSCI/BIOCHEM/MEDHEAL	MORGAN	ROUTH	HEAR YE, HEAR YE	MCCULLOUGH JR HIGH
9TH	WINNER	BEHAVIORAL/SOCIAL SCIENCES	ELENIA	ROSSIGNOL	THE EFFECTS OF BREAKFAST ON SHORT-TERM MEMORY	ACADEMY FOR SCIENCE & HEALTH PROF
SR	WINNER	ENVIRONMENTAL SCIENCES	MADELINE	LANDON	GET THE LEAD OUT	FRIENDSWOOD HIGH SCHOOL
SR	WINNER	SR	MONICA	NGUYEN	HERO: FIRE RETARDANT	DEBAKEY HIGH SCHOOL FOR HEALTH PROF
HARRIS COUNTY MEDICAL SOCIETY						
JR	1ST	MEDICINE/HEALTH	NARAIN	REDDY	THE RIGHT AID	TRAFTON ACADEMY
JR	2ND	MEDICINE/HEALTH	POOJA	PRASAD	ANTIBACTERIAL EFFECTS OF ONIONS	T. H. ROGERS MIDDLE SCHOOL ED CENTER
9TH	1ST	MEDICINE/HEALTH	ELEANOR	JOHNSON	A MEANINGFUL COMPLEXION	ACADEMY OF SCIENCE & TECH
9TH	2ND	MEDICINE/HEALTH	JENNIFER	RIEGER	REVENGE ON THE BLACK MONSTER	THE ACADEMY OF SCIENCE & TECH
SR	1ST	MEDICINE/HEALTH	SAAM	MOTAMEDI	GOLD NANOPARTICLES FOR EARLY DETECTION OF CANCER	CLEAR LAKE HIGH SCHOOL
SR	1ST	MEDICINE/HEALTH	GABRIEL	GRAHAM	MAGNETIC ASSISTED CHEMOTHERAPY	HARMONY SCIENCE ACADEMY BEAUMONT
SR	2ND	MEDICINE/HEALTH	YUNJIAO	LI	A VITAL LINK BETWEEN PD AND BREAST CANCER	BELLAIRE SR HIGH SCHOOL
SR	2ND	MEDICINE/HEALTH	CHELSEA	COLEMAN	PUT A SPRING IN YOUR STEP	FRIENDSWOOD HIGH SCHOOL
HEALTH PHYSICS SOCIETY						
JR	1ST	COMPUTER SCIENCE	BRIAN	XU	DOSE DISTRIBUTION IN PROTEIN THERAPY	HARMONY SCHOOL OF EXCELLENCE
SR	1ST	MATHEMATICS	ELLEN	ZHOU	KINETICS OF NUCLEAR REACTORS	CLEAR BROOK HIGH SCHOOL
SR	2ND	MATHEMATICS	SUDHA	VERMA	SHIELDS & FLUOROSCOPY TIMES: A STATISTICAL ANALYSIS	CLEMENTS HIGH SCHOOL
HOUSTON AREA DIETETIC ASSOCIATION						
JR	1ST	BEHAVIORAL/SOCIAL SCIENCES	ALEXA	KLINCKWORT	FUNKY FOOD FACTORS	MCCULLOUGH JR HIGH
JR	2ND	BIOCHEMISTRY/MICROBIOLOGY	ALEXANDRA	BOOTHILLETTE	EGGCLENCE IN COOKING: THE STUDY OF EGG SUBSTITUTES	MCCULLOUGH JR HIGH
9TH	1ST	MEDICINE/HEALTH	GRANT	HALLBAUER	TOO SLOW FOR YOUR LOW	THE ACADEMY OF SCIENCE & TECH
9TH	2ND	MEDICINE/HEALTH	DIANA	RUAN	THE MECHANISM BEHIND FISH OIL IMPROVING HEALTH	BELLAIRE SR HIGH SCHOOL
SR	1ST	BIOCHEMISTRY/MICROBIOLOGY	COURTNEY	SWEEBE	FOOD FIGHT! THE BATTLE OF CULTURED MILD PRODUCTS	THE ACADEMY OF SCIENCE & TECH
SR	2ND	PLANT SCIENCE (BOTANY)	GABRIEL	GALVAN	ANTIOXIDANTS TO THE RESCUE!!	JESSE H. JONES SR HIGH SCHOOL
HOUSTON ASTRONOMICAL SOCIETY						
JR	1ST	EARTH/SPACE SCIENCES	LAUREN	JOHNSON	EFFECT OF IMPACT ANGLE ON CRATER DEPTH AND EJECTA	WESTBROOK INTERMEDIATE
JR	1ST	PHYSICAL SCIENCES	ROBERT	TAGLIAFERRO	ROCKET POWER!	MCCULLOUGH JR HIGH
JR	2ND	PHYSICS & ASTRONOMY	AMERA	DIXON	REFRACTION VS TEMPERATURE	HARMONY SCHOOL OF INGENUITY
JR	3RD	EARTH/SPACE SCIENCES	MICHAEL	WHITE	WHAT HAPPENS IN A BLACK HOLE	STEPHEN F. AUSTIN MIDDLE SCHOOL
9TH	HM	EARTH/SPACE SCIENCES	SARAH	KENNEDY	MEASURING BINARY STARS	ACADEMY OF SCIENCE & TECH
SR	1ST	PHYSICS & ASTRONOMY	VALENTIN	TUZHILKIN	MODELING PLANET ORBITS	ACADEMY OF SCIENCE & TECH
SR	2ND	EARTH/SPACE SCIENCES	LORNA	O'NEILL	SHUTTLE SHOWER	ACADEMY OF SCIENCE & TECH
HOUSTON GEOLOGICAL SOCIETY						
JR	1ST	EARTH/SPACE SCIENCES	CARLOS	RIVERO-LOPEZ	SLIPPING, SLIDING, AND CREEPING: A STUDY OF GLACIAL	FIRST COLONY MIDDLE SCHOOL

2010 Science Engineering Fair of Houston Special Award Winners

9TH	1ST	ENVIRONMENTAL SCIENCES	EMILY	BEISERT	MOTION	
SR	1ST	EARTH/SPACE SCIENCES	MACY	BRINTON	THE EFFECT OF QUARRY LOCATION ON GRANITE RADIOACTIVITY	CLEAR LAKE HIGH SCHOOL
					THE MANY FACES OF A SEAWALL	CLEAR LAKE HIGH SCHOOL

HOUSTON INTELLECTUAL PROPERTY LAW ASSOCIATION

9TH	WINNER	CHEMISTRY	DANA	STEINER	AT HOME AFIS	ACADEMY OF SCIENCE & TECH
SR	WINNER	ENERGY/TRANSPORTATION	KYLE	CLAWSON	SAVINGS THROUGH THE ROOF	TRAVIS HIGH SCHOOL

INTEL CORPORATION

SR	WINNER	COMPUTER SCIENCE	SRIKRISHNA	RAGHAVAN	ALGORITHMIC OPTIMIZATION II	ACADEMY OF SCIENCE & TECH
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I-SWEEP INTERNATIONAL SCIENCE FAIR

JR	WINNER	ENERGY/TRANSPORTATION	MICHAEL	YANG	EXPLORING FRUIT DYE SOLAR CELL	FORT SETTLEMENT MIDDLE SCHOOL
JR	WINNER	ENERGY/TRANSPORTATION	JONATHAN	PAULINO	ARE WAVES A VIABLE SOURCE OF ENERGY?	HARMONY SCHOOL OF INNOVATION
JR	WINNER	ENVIRONMENTAL SCIENCES	EUGENIA	VASILYEVA	CERAMIC FILTRATION OF ARSENIC, FERRIC CHLORIDE AND CHLORINE	WESTBROOK INTERMEDIATE
JR	WINNER	ENVIRONMENTAL SCIENCES	ALEXANDER	JIANG	INCREASING SOLAR PANEL EFFICIENCY WITH STEPPER MOTORS	T. H. ROGERS MIDDLE SCHOOL ED CENTER
9TH	WINNER	ENGINEERING	SUHEYLA	CAVDAR	THERMAL TRANSPORTATION OF NANOFLUIDS	HARMONY SCIENCE ACADEMY HOUSTON
9TH	WINNER	ENERGY/TRANSPORTATION	MARION	HAMMETT	FISHING FOR FUEL: BIOREACTORS WITH GILLS	ACADEMY OF SCIENCE & TECH
SR	WINNER	ENGINEERING	JOHN	ROBERTS	REDUCE, REUSE, INSULATE?	THE ACADEMY OF SCIENCE & TECH
SR	WINNER	ENVIRONMENTAL SCIENCES	LIN	BOYNTON	THE EFFECT OF PHARMACEUTICAL RESIDUES IN WASTEWATER	BELLAIRE SR HIGH SCHOOL

JACOBS SVERDRUP

JR	WINNER	BEHAVIORAL/SOCIAL SCI	DIVYA	KOYYALAGUNTA	CIRCADIAN RHYTHMICITY OF PERFORMANCE AND ALERTNESS	WESTBROOK INTERMEDIATE
JR	WINNER	CHEMISTRY	MEREDITH	RIGGS	ORANGE YOU READY TO C THE RESULTS?	MCCULLOUGH JR HIGH
JR	WINNER	MATHEMATICS	JESSE	REYES	ACCIDENTAL! PI	HARMONY SCIENCE ACADEMY HOUSTON
JR	WINNER	EARTH/SPACE SCIENCES	SARA	BARTCZAK	TORNADO WIND FLOWS	BILLY BAINES MIDDLE SCHOOL
JR	WINNER	ENGR/COMP/MATH	DAVID	WU	THE GREENKLER (A GREENER SPRINKLER)	T. H. ROGERS MIDDLE SCHOOL ED CENTER
9TH	WINNER	PLANT SCIENCE (BOTANY)	AUSTIN	LESTER	HOW DOES DIFFERENT COLOR LIGHTS AFFECT PLANT GROWTH	GEORGE WASHINGTON CARVER HIGH SCHOOL
9TH	WINNER	PHYSICS & ASTRONOMY	NICHOLAS	MCCOY	TESTING THE EFFICIENCY OF INDUCTIVE COUPLING	ACADEMY OF SCIENCE & TECH
9TH	WINNER	MATHEMATICS	PRATYUSHA	PILLA	MODELING EPIDEMIC SPREAD	CLEAR LAKE HIGH SCHOOL
9TH	WINNER	EARTH/SPACE SCIENCES	LUCIE	RODRIGUEZ	POROSITY VS SAND GRAINS	ACADEMY OF SCIENCE & TECH
9TH	WINNER	LIFE SCIENCES	KATHERINE	EVERETT	DIOXIN POLLUTION: LAB VS FIELD	CLEAR BROOK HIGH SCHOOL
SR	WINNER	BIOCHEMISTRY/MICROBIOLOGY	LAUREL	BINGMAN	TRANSDIFFERENTIATION: A GATEWAY TO DIABETES TREATMENT	THE ACADEMY OF SCIENCE & TECH
SR	WINNER	PHYSICS & ASTRONOMY	LYRIC	GILLETT	MEASURING HIGH ENERGIES IN SONOLUMINESCENCE	CORNERSTONE HIGH HOMESCHOOL
SR	WINNER	COMPUTER SCIENCE	SRIKRISHNA	RAGHAVAN	ALGORITHMIC OPTIMIZATION II	ACADEMY OF SCIENCE & TECH
SR	WINNER	ENERGY/TRANSPORTATION	KIM	TRAN	A NIGHTTIME SOLAR PANEL	CLEAR LAKE HIGH SCHOOL
SR	WINNER	SR	MINESH	PATEL	THE AMP CYCLE	CLEMENTS HIGH SCHOOL

KELLOGG BROWN & ROOT

JR	WINNER	ENVIRONMENTAL SCIENCES	ALEXANDER	JIANG	INCREASING SOLAR PANEL EFFICIENCY WITH STEPPER MOTORS	T. H. ROGERS MIDDLE SCHOOL ED CENTER
JR	WINNER	ENVIRONMENTAL SCIENCES	ASHWIN	VARMA	BIOREMEDIATION OF OILS: A MATTER OF CHOICE	WESTBROOK INTERMEDIATE
JR	WINNER	ENGINEERING	MEGHAN	BRINTON	THE IKE DIKE: GALVESTON PROTECTOR OR BEACH DESTROYER	SPACE CENTER INTERMEDIATE
JR	WINNER	ENGINEERING	VINCENT	LIU	EFFICIENT WINDMILL BLADE	HARMONY SCHOOL OF EXCELLENCE

MARINE TECHNOLOGY SOCIETY

2010 Science Engineering Fair of Houston Special Award Winners

JR	1ST	ENGINEERING	MEGHAN	BRINTON	THE IKE DIKE: GALVESTON PROTECTOR OR BEACH DESTROYER	SPACE CENTER INTERMEDIATE
JR	2ND	ENVIRONMENTAL SCIENCES	JAMIE	MCCULLOUGH	THE EFFECT OF THE POLAR ICE CAPS MELTING ON ALGAE	FRIENDSWOOD JR HIGH SCHOOL
9TH	1ST	ENERGY/TRANSPORTATION	SARAH	AKBANI	EXTRACTING HEAVY OILS EFFICIENTLY USING JANUS PARTICLES	HARMONY SCHOOL OF SCIENCE
9TH	2ND	ENGINEERING	MEGHAN	MISTRY	SWIFTER THAN SHARKS	CLEAR CREEK HIGH SCHOOL
SR	1ST	EARTH/SPACE SCIENCES	MACY	BRINTON	THE MANY FACES OF A SEAWALL	CLEAR LAKE HIGH SCHOOL
SR	2ND	ENERGY/TRANSPORTATION	ABIJITH	SINGH	MOTION IN THE OCEAN	TRAVIS HIGH SCHOOL
MOTHERS FOR CLEAN AIR						
JR	WINNER	ENVIRONMENTAL SCIENCES	GEETANJALIE	VASHIST	REDUCING AIR POLLUTION USING CABIN AIR FILTER	HARMONY SCIENCE ACADEMY HOUSTON NW
JR	WINNER	BOT/ENVSCI/ZOO	CHRISTY	JACOBS	STOP THE CONTRIBUTION TO AIR POLLUTION	PRESBYTERIAN SCHOOL
9TH	WINNER	ENGR/PHYSICALSCI	HANNAH	BENNETT	EFFECTS OF AMMONIA ON ENGINE EMISSIONS	ACADEMY OF SCIENCE & TECH
9TH	WINNER	ENERGY/TRANSPORTATION	SHYAMSUNDER	RAGHAVAN	EFFICIENCY OF A "FOURTH-RAIL" TRANSPORTATION SYSTEM	ACADEMY OF SCIENCE & TECH
SR	WINNER	SR	HARNEET	KAUR	METHANE AND HYDROGEN STORAGE IN MOF'S	HARMONY SCHOOL OF EXCELLENCE
SR	WINNER	CHEMISTRY	NHAN	THAI	CAPTURING CARBON DIOXIDE BY ZEOLITE IMIDAZOLITE FILTER	KIPP HOUSTON HIGH SCHOOL
RICE UNIVERSITY ENGINEERING ALUMNI						
SR	WINNER	ENGINEERING	COLTER	BROG	ENERGY DEPOSITION: M855 VS M67	CLEAR LAKE HIGH SCHOOL
RICE UNIVERSITY GEORGE R. BROWN SCHOOL OF ENGINEERING						
SR	WINNER	ENGINEERING	NATALIE	MARSHALL	AERODYNAMIC BRICKS	ACADEMY FOR SCIENCE & HEALTH PROF
SIGMA XI, THE RESEARCH SOCIETY-RICE UNIVERSITY, TEXAS MEDICAL CENTER CHAPTER						
SR	WINNER	PHYSICS & ASTRONOMY	LYRIC	GILLETT	MEASURING HIGH ENERGIES IN SONOLUMINESCENCE	CORNERSTONE HIGH HOMESCHOOL
SR	WINNER	BIOCHEMISTRY/MICROBIOLOGY	TIANJIAO	ZHANG	A NOVEL ANTI-TUMOR IMMUNOTHERAPY UTILIZING FLAGELLIN	BELLAIRE SR HIGH SCHOOL
SOCIETY OF AMERICAN MILITARY ENGINEERS						
JR	1ST	ENGINEERING	CHRISTOPHER	WESTON	ROOFING SLEUTHING	QUAIL VALLEY MIDDLE SCHOOL
9TH	1ST	ENGINEERING	ERNESTO	GALAN	HOW TO MAKE AN AIRCRAFT INVISIBLE TO RADAR	ALIEF EARLY COLLEGE HIGH SCHOOL
SR	1ST	ENGINEERING	JAWID	FATIH-MOHAMMAD	LOTUS LEAF EFFECTS	HARMONY SCIENCE ACADEMY HOUSTON
SOCIETY OF PLASTICS ENGINEERS-SOUTH TEXAS SECTION						
JR	1ST	ENVIRONMENTAL SCIENCES	CASPAR	STINN	MODIFYING PLASTIC DECOMPOSITION RATE	BEAR BRANCH JR. HIGH
JR	2ND	CHEMISTRY	CHRISTINA	SOISSON	STRENGTHENING NATURAL RUBBER USING NANOCOMPOSITES	WESTBROOK INTERMEDIATE
JR	3RD	ENGINEERING	CESAR	SINDONI	PROJECT PLASTOS	HARMONY SCHOOL OF EXCELLENCE
9TH	1ST	ENERGY/TRANSPORTATION	ERIC	MENEES	COOL ROOFS, HOT ENERGY SAVINGS?	ACADEMY OF SCIENCE & TECH
9TH	2ND	ENVIRONMENTAL SCIENCES	ROMIL	PATEL	THE EFFECT OF MEMBRANES ON REVERSE OSMOSIS EFFICIENCY	CLEAR LAKE HIGH SCHOOL
9TH	3RD	ENVIRONMENTAL SCIENCES	ZARA	KHAN	PACKING A PUNCH AGAINST UNNECESSARY WASTE	BELLAIRE SR HIGH SCHOOL
SR	1ST	CHEMISTRY	DAVID	BENDER	COMPATIBILIZING PMMA AND EVA	ACADEMY OF SCIENCE & TECH
SR	1ST	SR	TREY	GARRETT	HYDROGEL SCAFFOLDS FOR TISSUE ENGINEERING	HARMONY SCIENCE ACADEMY HOUSTON
SR	2ND	ENGINEERING	JOHN	ROBERTS	REDUCE, REUSE, INSULATE?	THE ACADEMY OF SCIENCE & TECH
SR	3RD	CHEMISTRY	CLAUDIA	POZOS	WHICH WATER PIPE RESISTS BETTER?	ACADEMY FOR SCIENCE & HEALTH PROF
SOCIETY OF WOMEN ENGINEERS - HOUSTON AREA SECTION						
JR	1ST	CHEMISTRY	SILVIA	PERA	AN OCEAN OF DIFFERENCE	T. H. ROGERS MIDDLE SCHOOL ED CENTER
JR	2ND	CHEMISTRY	FELICE	YARBOUGH	THE EFFECT OF COOKING ON VITAMIN C	WESTBROOK INTERMEDIATE
JR	3RD	ENGINEERING	MEGHAN	BRINTON	THE IKE DIKE: GALVESTON PROTECTOR OR BEACH DESTROYER	SPACE CENTER INTERMEDIATE
JR	HM	PHYSICS & ASTRONOMY	ISABEL	AMADOR	WHAT'S THE POINTE?	T. H. ROGERS MIDDLE SCHOOL ED CENTER
9TH	1ST	ENGINEERING	ELIZABETH	VIGANTS	THE EFFECT OF LAUNDERING ON FRC	HARMONY SCIENCE ACADEMY HOUSTON NW

2010 Science Engineering Fair of Houston Special Award Winners

9TH	2ND	PHYSICS & ASTRONOMY	LINA	PIPREK	RED EYE PHENOMENON	ACADEMY OF SCIENCE & TECH
9TH	3RD	ENGINEERING	MEGHAN	MISTRY	SWIFTER THAN SHARKS	CLEAR CREEK HIGH SCHOOL
SR	1ST	ENERGY/TRANSPORTATION	VICTORIA	ARMSTRONG	BEAT THE HEAT: A STUDY OF RADIANT BARRIERS	CLEAR LAKE HIGH SCHOOL
SR	2ND	CHEMISTRY	KRISTINA	TODD	THE COLD HARD FACTS ABOUT FRUIT	FRIENDSWOOD HIGH SCHOOL
SR	3RD	ENERGY/TRANSPORTATION	TERESA	WU	DESIGNING WIDE-ANGLE SOLAR CONCENTRATORS	ACADEMY OF SCIENCE & TECH
SR	HM	CHEMISTRY	AMY	FU	DETECTING MELAMINE IN MILK POWDER II	ACADEMY OF SCIENCE & TECH

SWARALAYAM ARTS FORUM

JR	HM	MATHEMATICS	JOHN	BELCHER	CLASSIC MATH, MODERN MUSIC	MCCULLOUGH JR HIGH
JR	WINNER	BEHAVIORAL/SOCIAL SCI	JACOB	BROWN	MUSICAL IMAGES	MCCULLOUGH JR HIGH

TEXAS CENTER FOR SUPERCONDUCTIVITY AND ADVANCED MATERIALS AND THE CENTER FOR MATERIALS CHEMISTRY

JR	1ST	CHEMISTRY	JOSHUA	HOLZHAUSER	UNDERSTANDING THE SODA FOUNTAIN	ST. CLARE OF ASSISI CATHOLIC SCHOOL
JR	3RD	PHYSICS & ASTRONOMY	PERRY	ALAGAPPAN	WAVELENGTH ON POWER GENERATED BY PHOTO CELLS	WESTBROOK INTERMEDIATE
9TH	2ND	CHEMISTRY	JONATHAN	ALLING	SUPER CONCRETE	THE ACADEMY OF SCIENCE & TECH

UNITED SPACE ALLIANCE

SR	1ST	MATHEMATICS	ELLEN	ZHOU	KINETICS OF NUCLEAR REACTORS	CLEAR BROOK HIGH SCHOOL
SR	2ND	PHYSICS & ASTRONOMY	VALENTIN	TUZHILKIN	MODELING PLANET ORBITS	ACADEMY OF SCIENCE & TECH
SR	3RD	ENGINEERING	SNEHA	GOTETI	COMPARING TYPES OF ENGINES	CLEMENTS HIGH SCHOOL

UNIVERSITY OF HOUSTON-CLEAR LAKE

JR	1ST	ANIMAL SCIENCE (ZOOLOGY)	AUSTIN	GERRY	NATURE'S BLUE ANGELS	VICTORY LAKES INTERMEDIATE
9TH	1ST	ANIMAL SCIENCE (ZOOLOGY)	EMILY	BAUER	WHORLS AFFECTING HORSES	THE ACADEMY OF SCIENCE & TECH
SR	1ST	BIOCHEMISTRY/MICROBIOLOGY	MEGAN	BROWN	CHLOROPLAST CURE	THE ACADEMY OF SCIENCE & TECH

UNIVERSITY OF HOUSTON-DOWNTOWN

JR	WINNER	PHYSICS & ASTRONOMY	ISABEL	AMADOR	WHAT'S THE POINTE?	T. H. ROGERS MIDDLE SCHOOL ED CENTER
JR	WINNER	BOT/ENVSCI/ZOO	ELISABETH	GRAY	COSMIC RAY DETECTOR	SIDNEY LANIER MIDDLE SCHOOL
9TH	WINNER	PHYSICS & ASTRONOMY	RASHMI	VIDYASAGAR	THE EFFECT OF TEMPERATURE ON THE PITCH OF SOUND	CLEAR LAKE HIGH SCHOOL
9TH	WINNER	ENGR/PHYSICALSCI	ISHA	MITTAL	PURIFYING WATER THROUGH SOLAR DISTILLATION	ACADEMY OF SCIENCE & TECH
SR	WINNER	MEDICINE/HEALTH	GABRIEL	GRAHAM	MAGNETIC ASSISTED CHEMOTHERAPY	HARMONY SCIENCE ACADEMY BEAUMONT
SR	WINNER	SR	TYLER	HELDRETH	CAN IT BE BUILT?	HARMONY SCIENCE ACADEMY BEAUMONT