

Behavioral and Social Science**Juniors**

Jessica	Schacherer	Mindboggling Memory	HM	
Jason	Garcia	"ESP" The Real Thing?	HM	
Chloe	Zachary	GENDER DIFFERENCES IN TASTE ACUITY	3	
Genny	Gutierrez	Get a Hand on Handedness	2	
Samir	Nityanand	Pay Attention Please	1	U.S. Navy Award

Seniors

Ashley	Smith	Rorschach Test and TTP2	HM	American Psychological Association
Dina	Ford	Elephants Never Forget 2	HM	
Megha	Davalath	Corpus Callosum: Sexual Dimorphism?	3	
Callie	Haley	Mean Girls, Mean Girls... What's a Girl to Do?	2	
Tori	Levy	Selective Hearing	1	U.S. Navy Award

Biochemistry**Juniors**

Kimberly	Garcia	Bug BE Gone	HM	
Ana	Rubio	The Effect of UV Radiation on the Fermentation of	HM	
Bonnie	Neal	Cladophora: A Germination Delayer?	3	
Katherine	Eyberg	Got Vitamin C?	2	
Emmet	Kaufman	The Effects of Dibutyl Phthalate on Fertility Rate	1	U.S. Navy Award

Seniors

Lilian	Tan	Bioremediation....the path to a cleaner environmen	HM	
Ian	McGuane	The Antiseptic Sceptic	HM	
Nancy	Satsangi	Biophysical and Architectural Characteristics and Bone	3	
Brett	Snider	The Study of Bioreactor Efficiency on Hydrogen Producti	2	
Reynaldo	Sanchez	Carbon Sequestration: The Potential of Vegetation	1	U.S. Navy Award

Botany**Juniors**

Valerie	Reynolds	Orange Beans	HM	
Alex	Burger	Grow Hydro	HM	
Janaina	Pivatto-Corbin	The Effect of Native Texas Plant Compounds on Palm	3	
Meela	Thangada	Effects of Hormones on Plant Cloning	2	
Sam	Morrison	How does artificial gravity -- centrifugal force -	1	

Seniors

Michael	Montelongo	Lint Factor	HM	
Kathleen	Hanson	Fractal Nature of Phaseolus lunatus Root Systems,	HM	
Chris	Lim	Suppression of Fusarium Wilt by Pseudomonas	3	
Srikanth	Kodali	The Ability of Rhizobium leguminosarum bv. Phaseoli an	2	
Keith	Bynum	Need Weed?	1	U.S. Army Life Science Award

Chemistry**Juniors**

Nichole	Flores	Is Crest The Best	HM	
Andrea	Arizpe	Do Cleaners Really Work?	HM	
Sara	Clark	Does Caffeine act as a Pesticide Year 2	3	
Elizabeth	Boyd	Bust Rust - A Comparison of the Temperature and Wa	2	
John	Norton	Ethanol Energy	1	U.S. Navy Award
Seniors				
Megan	Burger	Not Your Average Fuel Cell: Study and Synthesis of	HM	
Kegan	Crouch	Bugs Away! Phase III	HM	
Stephanie	Mundy	The Flammability of Laundry Products	3	
Jameson	Hackbarth	Substrate effect on paint adherence	2	
Avni	Mody	What's on the surface: Energy!	1	U.S. Navy Science Award
Computer Science				
Juniors				
Shelby	Orwick	Neural Networks	HM	
Kathleen	Kidder	Load Forecasting With Neural Networks	HM	
Jessie	Felix	No Child Left Behind	3	
Nishant	Mehta	AI: Robots Working In Teams	2	
Jonathan	Rodriguez	Robotic Evolution of Hexapod Gaits through Sexual	1	U.S. Navy Award
Seniors				
Robert	Brasier	Investigations into Predictive Modeling	HM	
Cliff	Jao	Computer Aided Diagnosis of Mammograms	HM	
Jacob	Darby	A New Algorithm for Rapid Computer Recognition of	3	
Taylor	Johnson	Optimizing Distributed Systems using Artificial In	2	
Ted	Block	Evolving an Electrical Circuit	1	Intel Excellence in Computer Science, U.S. Army Math/ Yale Science & Engineering Award
Keidrick	Roy	Great Computer Speeds		
Earth and Space Science				
Juniors				
Kelly	Cronin	You Crack Me Up!	HM	
Timothy	Duvarney	Comparing Gradients of North and South Facing Slop	HM	
Eileen	Smith	The Effect of Particle Mass and Energy on Impact C	3	
Sasha	Rohret	Phaseolus lunatus Growth Patterns in a Simulated M	2	
Kimberly	Potter	Creating a Model that Explains El Nino's Impact on	1	
Seniors				
Nicole	Hoerster	How To Find Radon	HM	Assn for Women Geoscientists
Lanster	Martin	Ground Validation of the Terra Satellite Using The	HM	American Meteorological Society
Cristian	Oncescu	Listening to the Atmosphere: Infrasound Signatures	3	American Meteorological Society
Evan	Kornacki	Reception & Analysis of Solar Radio Emissions	2	
David	Wederhorn	Effect of Modification of Gravitational Inverse Law	1	
Jonathan	Fransen	Identification of Solar Type Stars		USAF Aerospace Science Award
Engineering				
Juniors				

Russell	Gallo	Will Light Detect You?	HM	
Jessica	Gutierrez	FOOT MOUSE	HM	
Adam	Abdul-Jabbar	Staying Cool	3	
Brandon	Northcut	Cost of Commercial Lighting with Lumen Output Diff	2	
Brad	Wettig	Breaking Bridges Year 2	1	
Joshua	Letton	Jet Engine Simulation		Herbert Hoover Presidential Library Assoc.
Seniors				
Enhao	Li	An Innovative Flat Sequential Color Video Display	HM	
Megan	Pendleton	Amateur Telescope Making	HM	
Allison	Lloyd	Simplifying the Preparation of Hemstatic Agents	3	
Arin	Lastufka	To Catch a Wave: A Comparison of Wave-Energy Conv	2	
Blake	Price	The Lift Assist - Second Edition	1	US Army Engineering Award
Ethan	Williams	Pycnometry: An Application of the Ideal Gas Law		ASM Foundation Materials Engineering
Manuel	Velasquez	Safety Device for Industrial Trawl Winches		Nat'l. Society of Professional Engineers
Kevin	Woller	Photovoltaic Resources		NACE International - The Corrosion Society

Environmental Science

Juniors

Courtney	Jankowski	What Rot	HM	
Porter	Alexandra	Plastic - Will It Ever Go Away?	HM	
Bradley	Chester	The Effects of Urbanization on Flash-Flooding and	3	
Pinaki	Bose	Biodegradable Polymers and Their Composites	2	
Patrick	Shindo	Vaporized!	1	

Seniors

Laura	Luttmer	Hair Today Gone Tomorrow	HM	Intel Environmental Health and Safety
Tara	Gloyna	Energy Recovery from Agricultural Waste: Methane	HM	
Morgan	Wilson	Over Enrichment of The Coastal Zone	3	
Sarah	Mims	Smoke Bugs: A Second Year Study. Confirmation of t	2	
Tiffany	Pham	Natural Pesticides	1	U.S Army Environmental Award
Kathryn	Wittman	Solar Water Purifier		Water Environmental Federation

Gerontology

Juniors

Mario	Oliden	Catch That Pen	HM	
Grace	Collins	Icon Do It	HM	
Waylon	Byers	Age Nose No Smell	3	
Cesar	Villarreal	The Whole Tooth And Nothing but the Tooth	2	
Kevin	Alaniz	Is there life after salt?	1	

Seniors

Anna	Haring	Bottle Designs for the Aged	HM	
Santhisri	Kodali	A Study of the Factors Controlling the Expression of Tel	HM	
Courtney	Rafes	It's a sign of the times.	3	
James	Wu	Extending the Melatonin Effect Through Melatonin S	2	
Danna	Qunibi	The Effect of Telomerase on Telomere Length in Hut	1	

Mathematics

Juniors

Gregory David	Garcia	Using brachistochrone to develop an Inertia Powere	HM
Katie	Adams	Simple Learning Machine	HM
Kasey	Borchart	Could Methane Hydrate Threaten Homeland Security?	3
Karthic	Bhandari	Chaotic Music	2
Henry	Neilson	A Statistical Analysis of the Fairness of State Qu	1

Seniors

Alexandra	Foulkes	Chaos In Wonderland	HM
Thomas	Pardue	Prime Numbers: The Ultimate Theorem	HM
Drew	Matteson	Generalizations of Schur's Problem and the Search	3
Jeff	Nanney	Original Combinatorial Proofs for Seymour's Second	2
Alice	Chai	Return to Normal: A Study of Topology and Compact	1

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Medicine and Health

Juniors

Benjamin	Williams	The Antibiotic Dilemma	HM
Naveen	Mehta	Simply Irresistible	HM
Craig	Thomas	Topography and Heredity of the Optic Nerve	3
Anna	Wagner	Do Your Eyes Perceive Color in the Same Way?	2
Nicole	Wen	Antibacterial Soaps- Do they Kill or Select for Re	1

Seniors

James	Tovar	Genetic Screending for C. elgans	HM
Ankur	Bhatia	Glaucomatous Eye Disease Implicated in Muscular Dy	HM
Jimmy	Yang	Cancer Cell Protectors	3
Anna	Mueller	THE COSMIC DILEMMA! The Measurement and Evalua	2
Triparna	Ghosh-Choudhury	The Beneficial Effects of Fish Oil on Breast Cance	1
Elizabeth	Siegel	Does your periodontal disease cause diabetes?	
Brian	Howell	Pulse Wave Effects on Liposome Integrity	

Best Radiation Related Project
US Dept. of Heath Services
Int. Society for Optical Engineering

Microbiology

Juniors

Victoria	Hengst	What Are You Drinking?	HM
Karthik	Prasad	Antibacterial Agents: Which herb is the best?	HM
Lindsey	Mueller	Mad Cow is Not the Problem	3
Julian	Fanning	Study on Echinacea & Antibiotics	2
Amanda	Lu	The Effect of Garlic on Antibiotics-Resistant Bact	1

Seniors

Keri	Brodbeck	Eat This: See What Your Produce Could Produce	HM
Amanda	Lamascus	A Comparison of Prescription, Over-the-Counter, an	HM
Israel	del Toro	Tissue Engineering	3
Elise	Miller	Antibiotic Susceptibility in E. coli From Four Dom	2
Sunayana	Chopra	Infectious Diseases in Astronauts During Space Fli	1

USAF Aerospace Science Award

Physics**Juniors**

Timothy	Jenks	Magnet Meltdown	HM
Abdulhamid	Al-Douri	Impact of Thermal Insulation Arrangements on Heat	HM
Nethika	Ariyasinghe	The Change in Light Intensity Through Clear Liquid	3
Vinay	Ramasesh	Diamagnetic Levitation 101	2
Matthew	Brenner	Gone with the Wave	1

Seniors

Michelle	Fisco	Changing the Natural Resonance Pattern	HM
May-Ying	Lam	Acoustic Connoisseur: Part II	HM
William	Spearman	The Evolution of the Universe	3
Gregory	Malecha	Chaos in an Inverse Square law	2
Cynthia	Chi	Feasibility Study of Colloidal Quasicrystals	1 U.S. Army Physical Science Award

Zoology**Juniors**

Alexander	Abuadas	Golden Silk	HM
Isabelle	Urbina	Tricks or Treats	HM
Elizabeth	Tyson	Red Food, Blue Food, Green Food, Good Food?	3
Stephanie	Hicks	The Effects of Ultraviolet Radiation on Drosophila	2 Best Radiation Related Project
Emily	Mullins	Hot to Trot	1

Seniors

Priya	Jagadeeswaran	Finding and Labeling Middle-Aged Thrombocytes in Z	HM
Annick	McIntosh	Daphnia's Sensitivity to Drugs	3
Laci	Lawrence	A Wild Hair Part II: The Effects of Hair on Cutan	2
Russell	Burrows	The Buzz on Bees: The Effects of Alcohol and Nico	1
Lauren	Wall	Does Ontogeny Recapitulate Phylogeny in chickens	Eastman Kodak Award

Team Life Science**Juniors**

Chantal Cook, Joshua Martin	Two for the Price of One	HM
Aron Trevino, Allen Trevino	Estrogen Mimicking Effects of Cadmium on the Mosqu	HM
Kaitlin Joest, Allyson Ho, Sohan Banerjee	Plant 'Periclinal Chimeras' Without Grafting	3
Elizabeth Fireman, Shweta Joshi	Walk Down Memory Lane	2
Ryan Dagerman, David Galstyan	Preventive Seeds II - A Study of Hydroponics and Allelo	1

Seniors

Stephanie Jennings, Tien Nguyen	Analysis of Bromate in Local Water Supply by Bioas	HM
Kyle Wallace, Laura Delagarza	The Effects of Grey Water on Medio Creek	HM
Ranjani Davalath, Sara Hartnet	Cognitive Illusions of Estimation	3
Chris Lorn, Christopher Corales	A Word to the Eyes	2
David Kaufman, Khannan Athreya, Basil Shadfa	The Effect of Antioxidants on Lifespan and Stress	1
Jerry Ross, Erin Highsmith	Utilizing Aquaculture for Water Conservation	USAF Aerospace Science Award

Team Physical Science

Juniors

Alexis Mobley, Abby Montelongo	Extra!Extra! Read All about it!	HM
Steve Lu, Nick Freidberg	A HEURISTIC ALGORITHM ON NBA SCHEDULING	HM
Neal Ehardt, Randy Gay, Shannon Largman	Grid Following Animated Wanderer	3
Zach Ogle, Michael Wen, Jordan Zesch	Surface Wave Profiles for Various Compounds in Wat	2
Kristie Steele, Mackie McDuff, Landon Klein	Solar Security	1

Seniors

Kristen Escher, Mellisa Wei	Vroom, Vroom Crash	HM
Chong Jiang, Soham Banarjee, Allyson Ho	On the Domination Numbers of Permutation Graphs	HM
Joseph Samuelson, Salvatore Pacilio	Eletro-Combustion	3
Tom Ju, Jeff Rego	Coordinate Triangulation of Passive RFID Tags	2
Chris Seman, Cody Webb, Ryan Lynn	The Effects of Lateral Pneumatic Suspension on Impact	1 USAF Aerospace Science Award

Junior Grand Prize Life Science

Emmet Kaufman **The Effects of Dibutyl Phthalate on Fertility Rate**

Junior Grand Prize Physical Science

Jonathan Rodriguez **Robotic Evolution of Hexapod Gaits**

Senior Grand Prize Physical/Mathematical Sciences

Alice Chai **Return to Normal: A Study of Topology**

Senior Best of Fair/Grand Prize Life Sciences

Russell Burrows **The Buzz on Bees:**

UTSW Scholarship

Triparna Ghosh-Choudhury **The Beneficial Effects of Fish Oil on Breast Cance**

UTA Scholarship Winners

Jacob Darby	A New Algorithm for Rapid Computer Recognition	COMP	UTA Presidential Scholarship
Annick McIntosh	Daphnia's Sensitivity to Drugs	ZOOL	UTA Presidential Scholarship
Ethan Williams	Pycnometry: An Application of the Ideal Gas Law	ENGR	UTA Presidential Scholarship
Kyle Beighle	Do Sharks Prefer a Color	ZOOL	UTA Presidential Scholarship
Lauren Wall	Does Ontogeny Recapitulate Phylogeny in Chickens	ZOOL	UTA Presidential Scholarship