

Junior Division 2006

Last Name	First Name	School	Category	Project Name	Prize	
Anderson	Samantha	Renner	Behavioral and Social Science	Silence Is Golden: The Effect Of Noise On Test Taking	1st	
Elizondo	Elisa	Murphy	Behavioral and Social Science	Reptiles: Friend Or Foe	2nd	
Meyers	Erin	Hendrick	Behavioral and Social Science	Dress For Success	3rd	
Osborne	Morgan	Renner	Behavioral and Social Science	Are We Different?	HM	
Roy	Atheetha	Wilson	Behavioral and Social Science	How We Do What We Do?	HM	
Strecker	Edward	Renner	Biochemistry	How Sweet It Is! Do Organisms Live Longer On Natural Or Refined Sugar?	1st	
Tharp	Dustin	Armstrong	Biochemistry	I C Vitamin C!	2nd	
Taylor	Austin	Renner	Botany	H ₂ O ₂ - For Better Or Worse	1st	
Manivasagam	Sindhu	Rice	Botany	The Effect of CO2 on Plants	2nd	
Thomas	Nimmy	Wilson	Botany	"Water Works!"	3rd	
Wey	Shannon	Hendrick	Botany	Magnets The New Tree Doctors	HM	
Ou	Derek	Renner	Botany	Green and Grassy	HM	
Hsieh	Ellen	Robinson	Botany	Hurry Up! It's Time For You To Ripen	HM	
Spraetz	Austin	Carpenter	Chemistry	Hazard In The Litter Box	1st	
Hall	Ivan	Bowman	Chemistry	Be Cool	2nd	
Dinsmore	Dana	Wilson	Chemistry	The Big Chill	3rd	Navy Award
Gallant	Alayna	Schimelpfenig	Chemistry	To DyeFor	HM	
Sutaria	Anisha	Armstrong	Chemistry	Color Vs. Clear	HM	
Li	David	Rice	Chemistry	How The PH Level Affects The Electrical Conductivity Of Different Liquids	HM	
Ram	Vivek	Robinson	Computer Science	RFID - Reliable Enough?	1st	
D'Souza	Neil	Haggard	Computer Science	ZZZZ...Zip It! The Role Of Content In Compression Efficiency & Investigation Of A Method To Improve Image Compression Ratio	2nd	
Baio	Craig	Frankford	Computer Science	Connecting Wirelessly	3rd	
Gopalakrishnan	Arun	Haggard	Computer Science	Made To Order	HM	
Chang	Julie	Rice	Computer Science	WLAN In The Household	HM	
Sharma	Prateek	Rice	Earth & Space Science	Studying The Effects Of Earth's Thining Atmosphere	1st	
Bennett	Jen	Rice	Earth & Space Science	Ocean Wave Power	2nd	
Li	Ruth	Rice	Earth & Space Science	Momentum And Angle Effects Of Meteors	3rd	
Kurkowski	Michelle	Frankford	Earth & Space Science	Raindrops Keep Falling On My Head: A Comparison of Acid Rain Levels In Different Areas Of The U.S.	HM	
Shelley	Lauren	Frankford	Earth & Space Science	See Spot Run	HM	
Mistry	Ragini	Rice	Earth & Space Science	How Earthquakes And Oceanography Can Affect A Tsunami	HM	
Rehkemper	Stanton	Wilson	Engineering	Where The Rubber Meets The Load	1st	
Bhattacharya	Prateek	Rice	Engineering	Effects Of Flow Rate Of Water, Armature Size, And Magnetic Flux, On Hydroelectric Generation	2nd	
Hales	Stephen	Murphy	Engineering	Air We Go Again	3rd	
King	Gillian	Murphy	Engineering	All Strung Out	HM	

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Jopling	Madelyn	Renner	Engineering	From Trash To Treasure - Reclaiming Platinum From A Used Catalytic Converter	HM	
Evans	Aaron	Armstrong	Engineering	Electrifying Efficient Energy	Navy Award	
Hales	Stephen	Murphy	Engineering	Air We Go Again	Navy Award	
Trumbauer	Devon	Haggard	Environmental Science	Will The Green Grass Grow?	1st	
Ullrich	Annie	Hendrick	Environmental Science	The Most Effective Method For Cleaning Up An Oil Spill	2nd	
Yu	Philip	Rice	Environmental Science	Cleaning Up Oil Spills Using Different Types of Sorbents	3rd	
Hatridge	Clay	Frankford	Environmental Science	Spin To Win: A Study of Pollution's Effect On Hydroelectric Power	HM	
Higbee	Kelsey	Murphy	Environmental Science	D-Fence: Defending Your Yard Against Road Noise	HM	
Ferraro	Nicole	Renner	Environmental Science	How Does Pollution Affect Heart Rate?	HM	
Shidate	Miri	Rice	Mathematics	Patterns In Dimensions	1st	
Dewey	Ryan	Robinson	Mathematics	The Power Of PI	2nd	
Meyers	Taylor	Murphy	Mathematics	Roll Em'Up	3rd	
Grizzle	Ryan	Armstrong	Mathematics	Where Are You Safe	HM	
McInroe	Trevor	Renner	Mathematics	The Nature Of Fibonacci	HM	
Mathiak	McKenna	Rice	Medicine & Health	The Effects Of Smoking On Coagulability	1st	
Lavine	Jeffrey	Wilson	Medicine & Health	See The Light 2	2nd	
Gunnels	Mallory	Renner	Medicine & Health	The Effect Of Creatine Supplementation On Planaria Regeneration	3rd	
Roth	Evan	Frankford	Medicine & Health	Down It! Effects Of Calcium Supplements On The Bones Of Gallus Domesticus	HM	
Kalisher	Justin	Renner	Medicine & Health	The Temporary Effects Of Various Video Games On Blood Pressure And Pulse	HM	
Bevil	Josh	Wilson	Medicine & Health	Who's Who?	HM	
Johnson	Travis	Wilson	Microbiology	Shock Treatment	1st	
Footitt	Rachel	Hendrick	Microbiology	I'm Never Brushing My Teeth Again	2nd	
Zhou	Janet	Renner	Physics	Tsunami Protector	1st	
Moore	David	Frankford	Physics	Bouncy...Bouncier...Bounciest	2nd	
Borner	Katherine	Schimelpfenig	Physics	Collison	3rd	
Johnson	Tyler	Hendrick	Physics	Viscosity Of Liquids	HM	
Poorman	Megan	Robinson	Physics	Can You Hear Me Now?	HM	
Self	Daniel	Wilson	Physics	"Rocket Power"	HM	
Rubinet	Andrew					
Fu	Justin					
Garber	Teddy	Frankford	Team Project - Life Sciences	Just A Tad Longer	1st	Grand Prize
Golem	Lindsay	Frankford	Team Project - Life Sciences	Now You See It ... Now You Don't - Altering The Rate Of Decomposition	2nd	
Yarborough	Stephanie	Frankford	Team Project - Life Sciences	Oh Baby, How Clean Is Your Pacifier? The Five Second Rule.	3rd	
Williamson	Kelsey	Murphy	Team Project - Life Sciences	Oh Baby, How Clean Is Your Pacifier? The Five Second Rule.	3rd	
Dalton	Brittany	Murphy	Team Project - Life Sciences	Oh Baby, How Clean Is Your Pacifier? The Five Second Rule.	3rd	
Pinch	Sydney					
Thompson	Allison	Frankford	Team Project - Life Sciences	The Killer: Acid Room	HM	

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Webb Foray	Erin Marissa	Frankford	Team Project - Life Sciences	Medical Miracle Or Microscopic Menace	HM
Potter Clanton	Sam Jonathan	Robinson	Team Project - Life Sciences	Think Before You Drink	HM
Amin Howard Makanji	Daniel Justin Chirag	Frankford	Team Project - Physical Sciences	Blown Away	1st
Coburn Gonzalez	Jarvis Daniel	Frankford	Team Project - Physical Sciences	Superconductivity: A Cool Solution To A Hot Problem	2nd
Leung Naqui	Queena Fizza	Haggard	Team Project - Physical Sciences	"Drip Away Vitamin C"	3rd
Harrell Pritzker Williams	Mary Amie Rachel	Bowman	Team Project - Physical Sciences	Woah....How Does That Solar Cell Work?	HM
Feng Sachdeva	Michelle Maya	Frankford	Team Project - Physical Sciences	Calling Lead: The Effect Of Disassembly On ROHS Compliance	HM
Sloan Lee	Christina Stacy	Wilson	Team Project - Physical Sciences	Heat Islands II: Where Is The Heat Stored?	HM
Velasco	Sonia	Armstrong	Zoology	Color Craze	1st

Senior Division
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Wang	Kerry	PSHS	Behavioral and Social Sciences	Pure Pwnage II	1st	
Balasubramanian	Sai	Jasper	Behavioral and Social Sciences	Behavioral Experiments With RIM-/-Mice In Morris Water Maze To Determine Plasticity In Presynaptic Terminals And Spatial Learning Capabilities	2nd	
Wynne	Marika	Vines	Behavioral and Social Sciences	A Study Of Short Term Memory As Affected By Learning Styles	3rd	
Zeng	Xin	PESH	Behavioral and Social Sciences	Hypnopeadia	HM	
Cheng	Thomas	Jasper	Behavioral and Social Sciences	Is It Really All In Your Head?	HM	
Xu	Louisa	PSHS	Biochemistry	Analysis Of Interactions Between HIV-I TAT and TRAP Using FRET Microscopy	1st	
Lu	Amanda	Jasper	Biochemistry	Popeye's Secret Weapon: The Effect Of Spinach On Improving Immune Responses	2nd	
Novak	Amanda	Williams	Biochemistry	Accurate Transfer Of PCR Technology In The Classroom	3rd	
Johnson	Ashley Ann	PSHS	Biochemistry	DNA On A Budget. A Study Of Electrophoresis And Plant DNA	HM	
Foster	Carrie	Williams	Biochemistry	Screening The ABCs: A Study Of Synthetic Sunscreens And Their Resistance Of UVA And UVB Transmission	HM	
Shah	Perini	PSHS	Biochemistry	BubRi's Role On Abnormal Chromosome Segregation	HM	
Shepherd	Nicole	PSHS	Botany	Sand Dunes: The Dirty Truth	1st	
Lookmanjee	Nabeel	Clark	Botany	Purifying A Toxic Soup	2nd	
Ying	Jeremy	Vines	Botany	Rads, Radishes, and Radiation	3rd	
Duke	Zachary	Clark	Botany	Smokin' Seeds: The Effects Of Smoke On Seed Growth	HM	
Jurecki	Alex	Jasper	Botany	The Effect Of Wavelength Of Light On The Vertical Growth Of Triticum Acstivum	HM	
Israni	Vinita	Vines	Chemistry	From Money To Matter	1st	
Fatemi	Parastou	PESH	Chemistry	The Synthesis And Analysis Of A Para-Wurster's Crown Ether With High Oxidation Potential	2nd	
Beiseigel	Jon Cameron	Williams	Chemistry	The Race Of The Rates	3rd	
Hardikar	Gaurav	Jasper	Chemistry	The Effect Of Hydrochloric Acid Concentrations On The Pickling Of Corroded Metals	HM	
Abramov	Semen	PWSH	Chemistry	Separation Of Single-Walled Carbon Nanotubes By Gel Electrophoresis	HM	
Toupal	Ronnie	Clark	Computer Science	The Study Of Algorithm Efficiency On License Plate Recognition	1st	Collin County Community College
Haines	Carter	PESH	Computer Science	Artificial Intelligence: Learning From Your Mistakes	2nd	Collin County Community College
Liu	David Gao	Williams	Computer Science	WMA Vs DAC: Comparing Audio Codecs Based On File Size, Quality, And Usefulness	3rd	
Bastani	Osbert	Jasper	Computer Science	A Study Of Secure Computation	HM	
Manchanda	Kshitij	Clark	Earth & Space Science	Mars Methane Mystery	1st	
Ha	Gabriel	PSHS	Earth & Space Science	Colorful Storm	2nd	

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Reames	Larissa	PSHS	Earth & Space Science	North Atlantic Hurricanes In The Past And Next Thirty Years	3rd	
Murali	Shyam	Clark	Earth & Space Science	M & M: Mars & Microorganisms	HM	
Sonti	Srivastava	Jasper	Earth & Space Science	The Effect Of The Phases Of The Moon On Barometric Pressure	HM	
Goreczky	Sophia	Shepton	Engineering	LISSA - Light Intensity And Sonar Sensing Assistant	1st	Collin County Community College
Kinra	Sonia	PSHS	Engineering	Keep Your Cool: A Second Year Study Of Residential Heating & Air Conditioning Energy Efficiency	2nd	
Lanka	Theja	PESH	Engineering	Charge Injection Gated Carbon Nanotube Transistors	3rd	
Carleton	Timothy	Jasper	Engineering	Extra Electricity	HM	
Ram	Vijay	Clark	Engineering	Fishy Business...	HM	Collin County Community College
Kuo	Kane	Shepton	Engineering	The Fuel Cell And Paragong Method	HM	
Higbee	Kyle	Williams	Environmental Science	On The Other Side Of The Fence: A Study Of The Effectiveness Of Various Sound Barriers On Reducing Road Noise	1st	
Rose	Johnathon	PSHS	Environmental Science	The Application Of A Balanced Inductance Bridge Circuit In Incorporation With Scanning Methods In The Study Of Topsoil Interpretation	2nd	
Pham	David	Jasper	Environmental Science	Anti Pesticide	3rd	
Chattopadhyay	Arhana	PESH	Environmental Science	Computational Design Of A Novel Pathway For Methanol Synthesis	HM	
Caterisano	Joe	Williams	Environmental Science	Phytoremediation Experimentation	HM	
Yassine	Asil	Shepton	Environmental Science	"Oh, The Weather Outside Is Frightful" Year II	HM	
Nanney	Jeff	PESH	Mathematics	Discrete Dynamical Systems In Directed Graphs	1st	Grand Prize
Huang	Alexander	Vines	Mathematics	Shortcut-Exploration Of Straight-Skeleton Construct Methods For The Single-Complete-Straight-Cut Conjecture In Origami Using Topological Analysis And Computational Geometry Programming In Excel	2nd	
Wang	Daniel	PSHS	Mathematics	Group Structure Within The Generalized $3x+1$ Dynamical Systems	3rd	
Liou	David	Vines	Mathematics	Market Watch	HM	
Shah	Aatman	PSHS	Medicine & Health	DOSE (Depression Outcome Study Of Exercise)	1st	
Reddy	Vishwa	Jasper	Medicine & Health	The Effect Of Tocopherol-Succinate-Alpha On The Growth And Morphology Of Pancreatic Cancer Cells, PANC-1 and MIA PACA-2	2nd	
Hayden	Dallas	Shepton	Medicine & Health	Naughty Knots, Don't Unravel On Me	3rd	
Lavine	Jason	PSHS	Medicine & Health	Linking Erectile Dysfunction To Alzheimer's Disease	HM	
Zhang	Nannan	PSHS	Medicine & Health	Cardiovascular Stress From Video Games? Level 3	HM	
Shankar	Nagasri	Jasper	Microbiology	The Effect Of Cisplatin On Cancer Cell	1st	
Mallepally	Niharika	Clark	Microbiology	The Antibiotic Effects Of Coconut Water	2nd	

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McDermott	Stephen	Clark	Microbiology	The Lights Are On Bacteria	3rd	
Hegde	Shruti	Jasper	Microbiology	Superb Herbs To The Rescue	HM	
Subramanian	Abirami	Clark	Microbiology	Cell Growth: The Effects Of Radiation From Universally Used Devices On Amoeba	HM	
Mosher	Christina	PSHS	Microbiology	The Mitochondrial RNA Polymerase Of Yeast: Is The N-Termus Necessary For Mitochondrial Function?	HM	
Chang	Christina	Jasper	Physics	A Novel Method To Reduce Cell Phone Radiation	1st	
Sofman	Marianna	PESH	Physics	Physics Can Prove Mathematics: A Second Year Study	2nd	
Chatterjee	Korok	Clark	Physics	Silicon Illuminated: The Relationship Of The Conductivity Of Silicon With Electromagnetic Radiation	3rd	
Kirkpatrick	Christopher	Williams	Physics	Houston, We Have A Problem	HM	
Smith	Kelsey	Clark	Physics	Tuning In	HM	
Wu Stoughton	Michael Stephanie	Shepton	Team Project - Life Sciences	A Study Of The Effects Of Hydroxyurea And N-Acetyl Cysteine On The Sickle Red Blood Cell	1st	
Herrington Hsieh	Lisa Wilson	PWSH	Team Project - Life Sciences	The Effect And Potential Application Of Cholesterol-Lowering Agents And Natural Substances On Human Prostate Cancer And Its Mechanism Of Action	2nd	
Mullins Kauffman Stelly	Perry Eric Brian	PESH	Team Project - Life Sciences	Wat'r You Filtering? The Sequel	3rd	
Bastami Lee Sen	Parsa James Aritra	Clark	Team Project - Life Sciences	Transformers: More Than Meets The Eye	HM	
Lee Ghiya	Seungah Stuti	Clark	Team Project - Life Sciences	What's Up With Your Milk? A Study Of Photochemistry In Milk	HM	
Walthall Walthall	Shannon Tyler	Williams	Team Project - Life Sciences	Memory And Dominant Eye	HM	
Brenner Li Kavi	Matthew Michael Arjun	Shepton	Team Project - Physical Sciences	Nanocrete: A Study Of The Effect Of Carbon Nanotubes On The Structural Integrity Of Cement	1st	Navy Award
Ram Venkatraman	Ananth Aran	Clark	Team Project - Physical Sciences	Developing A Control Methodology For Efficient Tinting Of Electrochromic Windows	2nd	Navy Award
Shung Lashgari	Dustin Yasha	Clark	Team Project - Physical Sciences	Out Of The Frying Pan. Into The Tank.	3rd	Navy Award
Patro Padhi Araiza	Ankita Tapannita Matthew	Clark	Team Project - Physical Sciences	"Deep Impact" On Dirty Snowballs: A Study Of Comets	HM	
Akhavanzadeh Do Patel	Arvin Lisa Veena	PESH	Team Project - Physical Sciences	Why Birds Don't Have Big Butts: An Study Of Aerodynamics	HM	
Oom	Jonathan	Clark	Zoology	Utilization Of Electrical Fields On Silkworms	1st	
Heacock	Colleen	Clark	Zoology	Is That Gas Buggin' You?	2nd	