

Winners of the Middle School Science & Engineering Fair: December 8, 2018

School	Category	Teacher	Student's Name	Project Title	Rank
Manzano	Animal Science	J. Trevino	Valeria Peña/Joaquin Peña	Daphnia in Danger! The Effects of Pollution on Aquatic Life	1
Stillman	Animal Science	Mike Galvan	Alan Garcia	Natural Killers	2
Vela	Animal Science	Bruce Rookstool	Kaydan Rookstool	Population Estimation	3
Manzano	Animal Science	R. Cornejo	Kassilyn Aguirre/Adelina Hinojosa	The effect of barometric pressure on living organisms as weather indicators	4
Stillman	Animal Science	Martha Fernandez	Carolina Gamez	The Hardest Workers in the Room	5
School	Category	Teacher	Student's Name	Project Title	Rank
Vela	Behavioral/Social Sciences	Mario Rojas	Christian Ortega	What Gender Stereotypes are Actually True?	1
Vela	Behavioral/Social Sciences	Mario Rojas	Andrea Zuniga/Valeria Alaniz	Mystery Pints	2
Manzano	Behavioral/Social Sciences	J. Trevino	Isabella Vasquez/Karolina Corrales	Sleep Deprivation: Does It Really Matter?	3
Manzano	Behavioral/Social Sciences	R. Cornejo	Andrea Pensado/Karina Linan	Effects of social media	4
Manzano	Behavioral/Social Sciences	R. Cornejo	Joshua Gomez	The hidden world of cyberbullying: An account of frequency and age	5

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School	Category	Teacher	Student's Name	Project Title	Rank
Stell	Biochemistry	M.N. Garza	Sofia Barber	Good and Bad Lipids	1
Manzano	Biochemistry	R. Cornejo	Rosanna Cedillo/Santiago Balli	Wetlands as a Bioremediation Process for Runoff	2
Lucio	Biochemistry	J. Garza	Danna Reyes	Gassing Up With Your Favorite Produce	3
Garcia	Biochemistry	K. Molina	Kae-Dee Erizuriz	Breaking It Down	4
Vela	Biochemistry	Aime Molar	Victoria Robledo	Zip! Zip! Hair	5
School	Category	Teacher	Student's Name	Project Title	Rank
Vela	Biomedical & Health Sciences	Mario Rojas	Michael Brown	Effects of Dehydration on Polyphenolic Content in Tea	1
Manzano	Biomedical & Health Sciences	R. Cornejo	Daniela Quezada/Yaneli Torres	Eat the Produce Not the Pesticide!	2
Vela	Biomedical & Health Sciences	Mario Rojas	Ashley Haggstrom	Be Sun Smart	3
Vela	Biomedical & Health Sciences	Sujatha Thakker	Miranda Elizabeth Diaz	SPOILER ALERT! WHICH FOOD WRAP KEEPS FRUIT THE FRESHEST?	4
Oliveira	Biomedical & Health Sciences	J. Jasso	Selena Lopez	Melanoma	5
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Stell	Biomedical Engineering	E. Rubalcava	Melody Beltran	Will it cover ?	1

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Manzano	Cellular/Molecular Biology	R. Cornejo	Dyllan Lozano-Lomeli	The Effects of Aloe Vera Across Species: A Regenerative Study	1
Faulk	Cellular/Molecular Biology	Jose DelaCerde	Jose Ortiz	Reducing Acid	2
Oliveira	Cellular/Molecular Biology	R. Alvarez	Pablo Alvarez/Valery Galvan	What does the DNA say?	3
Stillman	Cellular/Molecular Biology	Martha Fernandez	Natalia Rodriguez	Break Out or Face Out?	4
Manzano	Cellular/Molecular Biology	J. Trevino	Rodolfo Trevino/Joshua Nieto	Make That Pulse Beat! The effects of Caffeine on Lumbriculus Variegatus	5
School	Category	Teacher	Student's Name	Project Title	Rank
Manzano	Chemistry	J. Salazar	Mia Flores	Cross-linking polymers: Massing up Sodium Alginate	1
Stillman	Chemistry	Tony Padilla	Paolo Saldivar	Antiburn	2
Manzano	Chemistry	C. Cho	Fabiola Martinez	What's in your water?	3
Faulk	Chemistry	Cynthia Martinez	Troy Martinez	The Fight for Electrolytes: An Athlete's Win	4
Besteiro	Chemistry	Nadia Villareal	Aiina Izaguirre	Solving While Dissolving: A Fizzy Experiment	5

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School	Category	Teacher	Student's Name	Project Title	Rank
Manzano	Earth & Environmental Science	R. Cornejo	Ashley Nunez/Marlene Gonzalez	Light to Brine	1
Faulk	Earth & Environmental Science	Cynthia Martinez	Abraham Gonzalez	Diving Into Acidic Water	2
Stillman	Earth & Environmental Science	Norma Cavazos	William Chamberlain	Crunchy H2O?	3
Garcia	Earth & Environmental Science	T. De La Garza	Eduardo Reyna	Nuclear Reaction vs. Natural Resources	4
Vela	Earth & Environmental Science	Aime Molar	Jeremy Marks	Solar Power: Brightening Up Your World!	5
School	Category	Teacher	Student's Name	Project Title	Rank
Oliveira	Embedded Systems	R. Alvarez	Samuel Torres/Kevin Flores	Spinning For Energy	1
Stillman	Embedded Systems	Norma Cavazos	Karim Velez	Budget Charge	2
Stillman	Embedded Systems	Norma Cavazos	Salvador Jurado	Wi-Fi Block Access	3
Faulk	Embedded Systems	Cynthia Martinez	Eduardo Salas	This Router is Blocked	4
Besteiro	Embedded Systems	Carlos Correa	Aviel Osornio/Ruben Ramirez	Password Protected	5

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Manzano	Energy: Chemical	J. Salazar	Hortencia Castellanos	Light it up	1
Vela	Energy: Chemical	Sujatha Thakker	Carlos Cantu	WHICH FABRIC MATERIAL IS THE MOST FLAMMABLE?	2
Vela	Energy: Chemical	Aime Molar	Anahi Campos	Heat Holders	3
Perkins	Energy: Chemical	Guerra	Damian Hernandez	Super Saiyan potatoes	4
Vela	Energy: Chemical	Aime Molar	Mia Soto	LED Bright the Night!	5
School	Category	Teacher	Student's Name	Project Title	Rank
Manzano	Energy: Physical	J. Trevino	Isabella Reyes/Alejandra Nieva	Hear Today, Gone Tomorrow: Decibel Damage	1
Faulk	Energy: Physical	Augustin Carrera	Alexia San Miguel	Sound Block	2
Vela	Energy: Physical	Aime Molar	Jacob Smith	The Power of the Wind	3
Stell	Energy: Physical	M. Park	Jaqueline Hernandez	TIRES: Does Pressure=Comfort?	4
Lucio	Energy: Physical	C. Gamboa	Jose Vega	Cold Vs. Warm	5

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School	Category	Teacher	Student's Name	Project Title	Rank
Vela	Engineering Mechanics	Sujatha Thakker	Thomas Hamilton III	Rubik's Cube Times	1
Vela	Engineering Mechanics	Sujatha Thakker	Patrick Pollet	DOES HEIGHT AFFECT A RADIOMETER?	2
Manzano	Engineering Mechanics	Cornejo	Blanca Vilela	Helping nature	3
Stillman	Engineering Mechanics	Lety Rodriguez	Patricia Crandall	Electricity Magnetic Strength	4
Vela	Engineering Mechanics	Brian Esquivel	Christian Pena	Rocking the Boat: Does the Fin Length Affect How Much a Boat Rocks	5
School	Category	Teacher	Student's Name	Project Title	Rank
Vela	Environmental Engineering	Mario Rojas	Janelle Ramirez	Color Me Clear!	1
Faulk	Environmental Engineering	Augustin Carrera	Ezra Esquivel	Land Slide What's Your Angle	2
Oliveira	Environmental Engineering	I.Olivares	David Moreno	Shaky Foundation	3
Stillman	Environmental Engineering	Guillermo Gonzalez	Leonardo Jimenez	Clean Water	4
Manzano	Environmental Engineering	R. Cornejo	Anthony Rojas	A Green Beachfront	5

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School	Category	Teacher	Student's Name	Project Title	Rank
Vela	Materials Science	Mario Rojas	Cristina De La Fuente	Tiny Solution To A Big Problem- Cleaning Up Oil Spills Using Ferrofuid	1
Stillman	Materials Science	Martha Fernandez	Pamela Quintanilla	Bombastic Plastic	2
Stillman	Materials Science	Martha Fernandez	Luis Paz	Look High Above	3
Oliveira	Materials Science	G. Trevino	Ivan Garza	Stretch War	4
Stell	Materials Science	A Rivera	Nathan Herrera	Don't Sweat It: An Investigation into Moisture Wicking Fabrics	5
School	Category	Teacher	Student's Name	Project Title	Rank
Stell	Mathematics	E. Rubalcava	Seth Puente/Seth Gonzalez	shocking soil	1
Faulk	Mathematics	Cynthia Martinez	Jose Ruiz	Fibonacci Sequence: Nature's Perfection	2
Faulk	Mathematics	Cynthia Martinez	Mario Hernandez	Angles, Stop The Light!	3
Vela	Mathematics	Mario Rojas	Theresia Rookstool / Layla Hesseling	Counting Them Differently	4
Oliveira	Mathematics	I. Olivares	Jonathan Rodriguez	Heads Over Tails	5

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School	Category	Teacher	Student's Name	Project Title	Rank
Manzano	Microbiology	J. Trevino	Alejandro Morrison/Victor Salinas	The Effects Of Parabens On Planarians	1
Stillman	Microbiology	Martha Fernandez	Sofia Martinez	5 Second Rule	2
Stillman	Microbiology	Martha Fernandez	Rebecca Vera	Germs Away	3
Manzano	Microbiology	R. Cornejo	Sofia Cornejo/Laisha Abundis	Microscopic Indicators of Water Health	4
Oliveira	Microbiology	I.Olivares	Alba Villareal	The Truth About the 5 Second Rule	5
School	Category	Teacher	Student's Name	Project Title	Rank
Stillman	Physics/ Astronomy	Norma Cavazos	Hector Perez	The Power of heat	1
Besteiro	Physics/ Astronomy	Nadia Villareal	Natalia Estrada	The Sound of Silence	2
Garcia	Physics/ Astronomy	M. Molina	Kevin Cenicerros	ARTurbulence	3
Oliveira	Physics/ Astronomy	J. Jasso	Isabella Chavez	Testing Tension	4
Faulk	Physics/ Astronomy	Cynthia Martinez	Edgar Nieto	A Shocking Nightmare!	5

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School	Category	Teacher	Student's Name	Project Title	Rank
Stillman	Plant Sciences	Tony Padilla	Mariana Lopez	Wireless Poison	1
Faulk	Plant Sciences	Cynthia Martinez	Emily Martinez	Sweating It Out!	2
Stillman	Plant Sciences	Tony Padilla	Vianney Aragus	Berry Fresh	3
Manzano	Plant Sciences	J. Trevino	Victoria Silva	Elodea Make Me Breathe!	4
Manzano	Plant Sciences	C. Cho	Abel Vasquez	Grow, Basil Grow!	5
School	Category	Teacher	Student's Name	Project Title	Rank
Stillman	Robotics/Intelligent Machines	Tony Padilla	Jordyn Rivera	Robots in the Petrochemical, Gas, and Oil Industry	1
Vela	Robotics/Intelligent Machines	Mario Rojas	Starika Bauskar / Quynhdao Le	New Language, New World: Developing a Language Based on Respiratory Patterns	2
Manzano	Robotics/Intelligent Machines	J. Trevino	Alejandro Villanueva	Bomb Detecting Robot: The Future of the Military	3
Besteiro	Robotics/Intelligent Machines	Nadia Villareal	Sergio Garcia	Lego Drop Tower: Acceleration of Gravity	4
Besteiro	Robotics/Intelligent Machines	Nadia Villareal	Luis Rangel/Ricardo Ruiz	The Lego "Holy Braille" Printer	5

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School	Category	Teacher	Student's Name	Project Title	Rank
Manzano	Systems Software	J. Salazar	Alan Dominguez	Gvegomrk xli Gshil	1
School	Category	Teacher	Student's Name	Project Title	Rank
Stell	Translational Medical Science	J. Gracia	Gregory Lavios	Colonizing the red planet	1
Vela	Translational Medical Science	Brian Esquivel	Ana Valadez	Was it You? Finding Out If Family Members Have the Same Fingerprint	2
Stell	Translational Medical Science	E. Rubalcava	Alexis Martinez	The cereal with the most iron	3

Middle School Science Fair Grand Champion 2018-2018

School	Category	Teacher	Student's Name	Project Title	Rank
Manzano	Cellular/Molecular Biology	R. Cornejo	Dyllan Lozano-Lomeli	The Effects of Aloe Vera Across Species: A Regenerative Study	GC
Vela	Biomedical & Health Sciences	Mario Rojas	Michael Brown	Effects of Dehydration on Polyphenolic Content in Tea	1st RU
Manzano	Microbiology	J. Trevino	Alejandro Morrison/Victor Salinas	The Effects Of Parabens On Planarians	2nd RU
Vela	Materials Science	Mario Rojas	Cristina De La Fuente	Tiny Solution To A Big Problem- Cleaning Up Oil Spills Using Ferrofluid	3rd RU