

SEFH Ninth Grade Division Winners

Division	Category	Place	Project	Students	District	School
Ninth	Robotics and Intelligent Machines	1st Place	Raspberry pi robot	Hussam Abbas	FORT BEND ISD	Kempner High School
Ninth	Engineering: Aerospace	1st Place	Managing Air Pressure in Ears	Adwoa Asare	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Earth & Space Sciences	1st Place	The Fabrication of a Biodegradable Battery	Prerit Choudhary	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Animal Sciences	1st Place	Life with Electromagnetic Fields	Zoe Hathcoat	CONROE ISD	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Ninth	Behavioral/Social Sciences	1st Place	Do Electronic Screens Impact Low Light Vision?	Aly Knowles	FRIENDSWOOD ISD	FRIENDSWOOD HIGH SCHOOL
Ninth	Chemistry	1st Place	Measuring the Sugar Content of Liquids with a Laser	Hakeem Werra	ALIEF ISD	HASTINGS NINTH GRADE CENTER
Ninth	Plant Sciences	1st Place	Reducing Crop Irrigation Through Magnetic Treatment	Robert Ross-Kirov	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Physics & Astronomy	1st Place	Cirque Du S'morleil	Drew Castleberry	MAGNOLIA ISD	MAGNOLIA HIGH SCHOOL
Ninth	Medicine & Health	1st Place	A Novel Asparaginase enzyme to treat cancer	Theiija Balasubramanian	Klein ISD	Balasubramanian
Ninth	Biochemistry/Microbiology	1st Place	Shocking Soil! Testing Soil for The Presence and Efficiency of Electrogenic Bacteria	Lucas Rivera	FRIENDSWOOD ISD	FRIENDSWOOD HIGH SCHOOL
Ninth	Engineering: Materials & Bioengineering	1st Place	A Better Bacterial Battery III	Sophie Hulett	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Ninth Team: Engineering/Physical Sciences	1st Place	The Future of Local Erosion	Mariam Mansuri, Himadri Gunarathna	CLEAR CREEK ISD	CLEAR LAKE HIGH SCHOOL
Ninth	Ninth Team: Engineering/Physical Sciences	1st Place	The Future of Local Erosion	Himadri Gunarathna		
Ninth	Ninth Team: Life Sciences	1st Place	Manipulating Probiotics for Increased Glucose Consumption	Apsara Mitra, Aishwarya Mitra	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Ninth Team: Life Sciences	1st Place	Manipulating Probiotics for Increased Glucose Consumption	Aishwarya Mitra		
Ninth	Engineering: Chemical	1st Place	Hydrogen Fuel Cell Battery for Photovoltaic Cells	Brian Burr	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Computer Sciences	1st Place	Constructing and Programming an Affordable Motion-Detecting Anti-Theft Device for a Bicycle	Michael Gerhard	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Engineering: Electrical/Mechanical/Civil	1st Place	It doesn't have to be too late: A novel method of detecting overheating of electrical systems behind walls	Evan Rosenthal	FRIENDSWOOD ISD	FRIENDSWOOD HIGH SCHOOL
Ninth	Environmental Sciences	1st Place	Comparison of Plastic Biodegradation Rates	Keerthi Bhoda	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Energy & Transportation	1st Place	Influence of Light Concentration on Efficiency of Different Types of Solar Cells	Kumaran Selva	CLEAR CREEK ISD	CLEAR LAKE HIGH SCHOOL
Ninth	Mathematics	1st Place	A Fractal Analysis to Predict Economic Behaviors	Brendan Alam	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Earth & Space Sciences	2nd Place	Mars Soil	Ria George	FORT BEND ISD	HIGHTOWER HIGH SCHOOL
Ninth	Animal Sciences	2nd Place	A Dog's Nose Print: Unique Identification?	Jenna Albert	MAGNOLIA ISD	MAGNOLIA HIGH SCHOOL
Ninth	Behavioral/Social Sciences	2nd Place	Engaged Operators' Response Time to Different Alert Modalities	Kabir Jolly	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Chemistry	2nd Place	Is Enough Iron Found In Cereal?	Luca DelaGuardia	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Plant Sciences	2nd Place	Plant Memory In Mimosa pudica	Andrew Miller	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Physics & Astronomy	2nd Place	Transit Photometry and Spectroscopy of Tabby's Star	Emma Mroz	Tomball ISD	Tomball Memorial HS

Ninth	Medicine & Health	2nd Place	Anterior Cruciate ligament Scars	Ansh Mittra	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Biochemistry/Microbiology	2nd Place	Shocking Transformations: The Effect of Heat Shock Duration on Cell Transformation	Joshua Bickham	FRIENDSWOOD ISD	FRIENDSWOOD HIGH SCHOOL
Ninth	Engineering: Materials & Bioengineering	2nd Place	When the Cold Strikes	Nicole DePavia	ALIEF ISD	ALIEF EARLY COLLEGE HIGH SCHOOL
Ninth	Ninth Team: Engineering/Physical Sciences	2nd Place	3D Holographic Pyramid	Julian Garcia, Ronny Alyousef	CONROE ISD	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Ninth	Ninth Team: Life Sciences	2nd Place	Subliminal Messages	Ryleigh Mongiello, Patricia Villarreal, Alyna Garcia	FORT BEND ISD	Kempner High School
Ninth	Engineering: Chemical	2nd Place	Leaf pigment in relation to species	Kynadi Law	FORT BEND ISD	HIGHTOWER HIGH SCHOOL
Ninth	Computer Sciences	2nd Place	Alternative Methods of Communication: A Smartphone Based Language for the Speech Impaired	Swathi Mannem	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Engineering: Electrical/Mechanical/Civil	2nd Place	Identifying structures to minimize tsunami damage	Haley Garcia	CLEAR CREEK ISD	CLEAR HORIZONS EARLY COLLEGE HIGH SCHOOL
Ninth	Environmental Sciences	2nd Place	Using Raman Spectroscopy to Assess the Degradation Efficacy of TAML on Amoxicillin	Katherine Zhao	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Energy & Transportation	2nd Place	The Stem of the Sun	Dev Gupta	CLEAR CREEK ISD	CLEAR LAKE HIGH SCHOOL
Ninth	Mathematics	2nd Place	Mathematical Tuning of Brass Instruments	Lela Lemke	CONROE ISD	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Ninth	Animal Sciences	3rd Place	Guppy variations caused by food	Devin McGuyer	CONROE ISD	ACADEMY FOR SCIENCE AND HEALTH PROFESSIONS
Ninth	Behavioral/Social Sciences	3rd Place	The Use of Virtual Reality to Improve Learning of Spatial and Navigation Skills	Blake Propst	FRIENDSWOOD ISD	FRIENDSWOOD HIGH SCHOOL
Ninth	Chemistry	3rd Place	Chlorine Level Analysis for Drinking Water	Christina Huang	FRIENDSWOOD ISD	FRIENDSWOOD HIGH SCHOOL
Ninth	Plant Sciences	3rd Place	Neutralizing Alkaline Soil with Different Acids	Sunny Yu	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Physics & Astronomy	3rd Place	The Tracks of Muons During Day and Night	Conrad Schmitt	FORT BEND ISD	BUSH HIGH SCHOOL
Ninth	Medicine & Health	3rd Place	Antimicrobial effect of Ozone in Oral Microbiota	Nithin Parsan	FORT BEND ISD	CLEMENTS HIGH SCHOOL
Ninth	Biochemistry/Microbiology	3rd Place	Whatâ€™s in your kitchen sponge?	Nikita Singh	Alvin ISD	Shadow Creek High School
Ninth	Engineering: Materials & Bioengineering	3rd Place	What Is The Best Protein Environment To Bioengineer A Kidney Using Stem Cells?	Hibah Suleman	FORT BEND ISD	Kempner High School
Ninth	Ninth Team: Engineering/Physical Sciences	3rd Place	Feeling a Little Salty?	Snehal Kumar, Elsa Chittet, Amber Ayub	FORT BEND ISD	HIGHTOWER HIGH SCHOOL
Ninth	Ninth Team: Life Sciences	3rd Place	Multitasking Abilities	Aparna Tampi, Awanee Gaspar	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Engineering: Chemical	3rd Place	The Use of Photovoltaic Cells For Impressed Current Cathodic Protection	Galio Guo	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Computer Sciences	3rd Place	Cracking the Code: Estimating Time Required to Decrypt an RSA Algorithm Using Public and Private Key Data Sets	Olivia Behne	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Engineering: Electrical/Mechanical/Civil	3rd Place	Chemical Filtration in Roads	Gabrielle Henderson	CONROE ISD	THE WOODLANDS HIGH SCHOOL
Ninth	Environmental Sciences	3rd Place	Monitoring Eutrophication Using Microbial Fuel Cells	Clara Victorio	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Energy & Transportation	3rd Place	Designing Wave Energy Converting Device	Jaimie Lee	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Mathematics	3rd Place	How Lead Time Affects Inventory in a Distribution Network	Ryleigh Hunt	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Plant Sciences	Honorable Mention	Power Plants	Adrana Oniovosa	ALIEF ISD	ELSIK NINTH GRADE CENTER

Ninth	Physics & Astronomy	Honorable Mention	The Effect of Pellet Head Size on Air Rifle Accuracy	Philip Becker	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY
Ninth	Medicine & Health	Honorable Mention	The Effects of Fluoride on Tooth Decay	Natalie Haack	ALIEF ISD	HASTINGS NINTH GRADE CENTER
Ninth	Behavioral/Social Sciences	Honorable Mention	Sweet Memories: The Effect of Sweetener on Memory Modulation	Malay Shah	FORT BEND ISD	HIGHTOWER HIGH SCHOOL
Ninth	Engineering: Materials & Bioengineering	Honorable Mention	Special Advancement of 3D Composed Guidance Prostheses	Saad Nadeem	CLEAR CREEK ISD	CLEAR HORIZONS EARLY COLLEGE HIGH SCHOOL
Ninth	Ninth Team: Life Sciences	Honorable Mention	Controlling Non-Photochemical Quenching	Prince Patel, Mahit Vunnam	FORT BEND ISD	Dulles HS
Ninth	Ninth Team: Engineering/Physical Sciences	Honorable Mention	Do UV What I V	Lauren Bailey, Ayleen Ramirez, Kiara Bermudez	FORT BEND ISD	RIDGE POINT HIGH SCHOOL
Ninth	Engineering: Electrical/Mechanical/Civil	Honorable Mention	Wind You're Ready	Damilola Afolabi	ALIEF ISD	ALIEF EARLY COLLEGE HIGH SCHOOL
Ninth	Environmental Sciences	Honorable Mention	Affordable Desalination of Salt Water	Anushka Jetly	FRIENDSWOOD ISD	FRIENDSWOOD HIGH SCHOOL
Ninth	Energy & Transportation	Honorable Mention	Power of the Future: Mud vs Sunlight	John Breinholt	FORT BEND ISD	RIDGE POINT HIGH SCHOOL
Ninth	Plant Sciences	Honorable Mention	So you think you can plant?	Baochau Le	ALIEF ISD	ALIEF EARLY COLLEGE HIGH SCHOOL
Ninth	Behavioral/Social Sciences	Honorable Mention	EFFECTS OF THE ABSENCE OF COLOR ON THE HUMAN BRAIN	Joseph Cahill	CONROE ISD	ACADEMY OF SCIENCE AND TECHNOLOGY