

Award Place	Division	Category	Student Name(s)	Project Title	Origin Fair
1st Place	Junior	Aerospace Engineering	Caroline Erdem	Flying High	Seabrook Intermediate School
1st Place	Junior	Animal Science	Hayden Lesak	Heartbeat of a Horse	Seabrook Intermediate School
1st Place	Junior	Behavioral and Social Sciences	Sivapriya Kannan	Study of Various Solutions to Cell Phone Addiction	McCullough Junior High
1st Place	Junior	Biochemistry and Microbiology	Rowan Unser	Living Lightbulbs	Creekside Park JH
1st Place	Junior	Biomedical Engineering	Anvitha Gottipati, Aditya Jetti, Shruthi RamKumar	Development of a home-based, stage-specific diagnostic kit for the detection of protein biomarkers to enhance diagnostic capabilities and improve treatment precision for Cancer	Quail Valley Middle School
1st Place	Junior	Chemical Engineering & Materials Science	Karina DSouza	Eco-Starch: Innovative Solutions for Oil Spill Cleanup	McCullough Junior High
1st Place	Junior	Chemistry	Serene Huang	From Trash to Treasure: Exploring Pectin Extraction from Watermelon Rinds	McCullough Junior High
1st Place	Junior	Earth and Environmental Sciences	Caden Pohlkamp	Is More Green Better? Does Littoral Vegetation Enhance Habitat Suitability of Local Retention Ponds?	Brookside Intermediate School
1st Place	Junior	Embedded Systems	Vihaan Shah	Driver Distress Detection: A Novel ML Based System Using Physiological Signals	Creekside Park JH
1st Place	Junior	Energy and Transportation	Logan Nagel	Better Together? VAWT Spacing Analysis	Brookside Intermediate School
1st Place	Junior	Engineering Mechanics	Nessa Cmerek	A Tale of a Furry Friend in need of a Tail	Westbrook Intermediate School
1st Place	Junior	Environmental Engineering	Aria Allen	Sticking to a Greener World: Finding a Suitable Replacement for Plastic Lollipop Sticks	Spring Branch ISD
1st Place	Junior	Mathematics	Nesandi Jayalath	Detecting breast cancers using machine learning approaches	Westbrook Intermediate School
1st Place	Junior	Medicine and Health	Adel Sisy	Tandem Repeat Analysis and Visualization Atlas (TRAVA)	Manvel Junior High - MS
1st Place	Junior	Physics and Astronomy	Arsh Kudariya	Leveraging Computational Fluid Dynamics for Real-Time Pipe Diagnostics Through Reynolds Number Analysis	Beckendorff Junior High school
1st Place	Junior	Plant Sciences	Quinn Watson	I've Got Friends in Loam Places	Brookside Intermediate School
1st Place	Junior	Robotics and Intelligent Machines	Eshaan Ahuja	A novel approach to identifying Mosquito Breeding Grounds with Convolutional Neural Networks, to stop the spread of Vector-Borne Diseases.	McCullough Junior High
1st Place	Junior	Systems Software	Srikar Karri	Create a sustainable future: AI powered app for predicting future greenhouse gas emissions.	Karri - Homeschool
1st Place	Senior	Aerospace Engineering	Suman Muppavarapu, Asa Gangjee	Aerocket	ST. JOHN'S SCHOOL
1st Place	Senior	Animal Science	Iris Shen	Year II: Assessing Marine Bivalves as Novel Invertebrate Models for Targeting BCL-2 Family Proteins in Blood Cancer: The in vivo Effects of Ursolic Acid and Gossypol Acetic Acid on Tumor Cells in Mercenaria mercenaria	AST: Academy of Science and Technology
1st Place	Senior	Behavioral and Social Sciences	Madeline Rice, Aathmika Rathnakumar	AutiScan: Development of a Predictive Computational Model for Assessing Probabilities of Neurobehavioral Symptoms of Autism Spectrum Disorders Based on MRI-Derived Structural Metrics, with a Focus on Cerebellum Volume and Phenotypic Correlations in ASD	AST: Academy of Science and Technology
1st Place	Senior	Biochemistry and Microbiology	Melina Kumar	One Blood Drop to New Hope: A Novel Test Method to Improve Fertility Assessment	Clear Lake High School
1st Place	Senior	Biomedical Engineering	Sriram Susarla	Decoding PDAC: A scRNA-seq Omics Analysis to Unveil and Inhibit Key Protein Using a Novel In-Silico, Structure-Based Drug Design Pipeline	Dulles High School
1st Place	Senior	Chemical Engineering & Materials Science	Carter Collison	Translation Between the Opacity of Photochromic Dye and UV Index	AST: Academy of Science and Technology

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1st Place	Senior	Chemistry	Prachi Natoo	Improving Alkaline Electrolyzers: The Role of Forced Convection in Hydrogen Generation	AST: Academy of Science and Technology
1st Place	Senior	Earth and Environmental Sciences	Victoria Ou, Justin Huang	Acoustic Filtration II: Scaling an Ultrasonic Microplastic Filtration Device and Exploring the Physical Phenomenon of Acoustic Blocking	AST: Academy of Science and Technology
1st Place	Senior	Embedded Systems	Vatsal Sharda	ImpairiLink: A novel, machine-learning based attentiveness and navigation aid system for the blind/impaired using haptic technology.	Cinco Ranch - HS
1st Place	Senior	Energy and Transportation	Shivam Gupta	LIFE SHIELD - A Novel System to Minimize Road & Workplace Accidents using a combination of Real Time Electromechanical & Software Systems, AI & Machine Learning	Friendswood High School
1st Place	Senior	Engineering Mechanics	Jacqueline Thomas, Xunyi Liu	SearchSnake: Soft Path-Finding SAR Robot	ST. JOHN'S SCHOOL
1st Place	Senior	Environmental Engineering	Tavishi Sinha	CyanoHUB: A Data-Driven Harmful Algal Bloom Prediction & Control System Utilizing Nanobubble Technology	Dulles High School
1st Place	Senior	Mathematics	Caleb Foo	Utilizing Wavelet Transform and Fourier Transform to Detect Cardiac Arrest Through Electrocardiogram Analysis	AST: Academy of Science and Technology
1st Place	Senior	Medicine and Health	Nia Shetty	Optimizing Liver Transplant Success: A Data-Driven Approach Incorporating MELD for Accurate Survival Prediction and Equitable Organ Allocation	ST. JOHN'S SCHOOL
1st Place	Senior	Physics and Astronomy	Jesse Miller	Investigating the Effect of Qubit Type on Quantum Computing Viability	AST: Academy of Science and Technology
1st Place	Senior	Plant Sciences	Aarushi Pandey	Examining the Synergistic Effects of Hydrotropism, Magnetotropism, and Simulated Microgravity on Allium fistulosum Morphology Using a Novel 3D Clinostat	AST: Academy of Science and Technology
1st Place	Senior	Robotics and Intelligent Machines	Sai Spoorthi, Maram Jiya Joshi	Soft Robotics in Gastrointestinal Endoscopy: Engineering a Novel Hydraulic Colonoscope to Minimize Risks and Enhance Usability	Travis High School
1st Place	Senior	Systems Software	May Espinola	Unobstructing voice for the deaf: A real-time centered sign language recognition system	Tompkins - HS
2nd Place	Junior	Aerospace Engineering	Matthew Baine	How nozzle geometries effect propulsion efficiencies.	Seabrook Intermediate School
2nd Place	Junior	Animal Science	Nathan Zhang	How do ants find food	League City Intermediate School
2nd Place	Junior	Behavioral and Social Sciences	Luke Lipari	Anonymity, A Missing Family Tree, A Study of People Facing This Reality	Irons Junior High
2nd Place	Junior	Biochemistry and Microbiology	Kritika Bharadwaj	Optimizing Storage to Reduce Food Waste	Knox Junior High
2nd Place	Junior	Biomedical Engineering	Charlotte Warner, Keinan Sherrod	Sensor Walker	Stafford STEM Magnet Academy
2nd Place	Junior	Chemical Engineering & Materials Science	Madeleine Melancon	Development and Characterization of Hydrogel Systems for Encapsulation and Controlled Release of Model Compounds	T. H. Rogers MS
2nd Place	Junior	Chemistry	Diya Rajkumar	Computational Simulations of Antibody Binding to VAPB Receptors for Targeted Therapy in Medulloblastoma	TAYS Junior High - MS
2nd Place	Junior	Earth and Environmental Sciences	Ganeev Jaswal	Bio-Concrete: Using Living Bacteria to Create Self-Healing Concrete and perform Carbon sequestration	Fort Settlement Middle School
2nd Place	Junior	Embedded Systems	Dellivon Frazier Jr.	The Leading Wad	Drew Academy
2nd Place	Junior	Energy and Transportation	Rishaan Dave	Waste to Watts: Harnessing Organic Waste for Sustainable Energy Using Microbial Fuel Cells	THE HONOR ROLL SCHOOL - MS
2nd Place	Junior	Engineering Mechanics	Jensen Delaney, Derek Chan	Improving wheelchair functionality: Voice Automated wheelchair prototype	Stafford STEM Magnet Academy

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2nd Place	Junior	Environmental Engineering	Parth Shah, Neil Mehta, Martin Bate	The MNP Smart Bin	Harmony School of Excellence-Houston
2nd Place	Junior	Mathematics	Alexandra Noyes	Let's Make Some Pi(e)	Westbrook Intermediate School
2nd Place	Junior	Medicine and Health	Jairam Susarla	TERting the Tide: Repurposing FDA-Approved Therapeutics for Cancer Treatment	THE HONOR ROLL SCHOOL - MS
2nd Place	Junior	Physics and Astronomy	Michelle Ou	Investigating Skyglow's Effects on Stargazing	McCullough Junior High
2nd Place	Junior	Plant Sciences	Jacob Nunez, Dominic Hernandez, Dante Tamez	Cacti Hybrids: A Grafting Experiment to End World Hunger	Hambrick MS
2nd Place	Junior	Robotics and Intelligent Machines	George Zhou	A Beacon of Hope: Developing AI for Early Stroke Detection	River Oaks Baptist School - MS
2nd Place	Junior	Systems Software	Lucas Jiang, Isaac Behar	AI Rubric Grader	EMERY WEINER JEWISH SCHOOL
2nd Place	Senior	Aerospace Engineering	Pierce Crist, Hayden Kramer	Electric Ducted Fan Jet	ST. JOHN'S SCHOOL
2nd Place	Senior	Animal Science	Anna Singh	Positive Effect of Kefir on the Survival of Daphnia magna Infected with Clinical Bacterial Isolates	Shadow Creek - HS
2nd Place	Senior	Behavioral and Social Sciences	Nikita Vijay, Nikita Pal, Nirajeet Pal	Silent Signals: Leveraging Linguistic Drift, NLP, and ML for Early Analysis of Depression Markers in Teenagers	Cypress Ranch - HS
2nd Place	Senior	Biochemistry and Microbiology	Aarush Kudariya	Targeting pMHC: A Novel Tripartite In-Silico Approach for Liposome-Aided Ultralong Antibody Therapy in Colorectal Cancer Variants	Seven Lakes - HS
2nd Place	Senior	Biomedical Engineering	Kavin Elangovan	OncoAI: Integrating a Computationally Efficient Deep Learning Model into a Multi-Platform Universally Accessible Application for Accurate Detection of Multiple Cancers Across Diverse Imaging Modalities	Houston ISD
2nd Place	Senior	Chemical Engineering & Materials Science	Sophie Melancon	Fabrication of radiopaque and drug-loaded resorbable polymer for medical device development	Kinder HS for the Performing and Visual Arts - HS
2nd Place	Senior	Chemistry	Clare McKenna	Enhancing Tomato Resilience: Identifying a Reversible Inhibitor for Beta-Fructofuranosidase to Combat Drought Stress	TWHS: The Woodlands High School
2nd Place	Senior	Earth and Environmental Sciences	Tristan Li	Visible-Light Photocatalysis for Innovative Nitrate-Contaminated Water Treatment: Assessing the Efficiency of Molybdenum-Doped Bismuth Vanadate Thin Films Coupled with Paracoccus denitrificans for Enhanced Denitrification	AST: Academy of Science and Technology
2nd Place	Senior	Embedded Systems	Dawson Zhang, Matthew Yu, David Gong	SightLine: First Responder AR Head Mounted Display	AST: Academy of Science and Technology
2nd Place	Senior	Energy and Transportation	Benjamin Burket, Kaiden Patel	Testing Parts of a Thermoelectric Generation Device to Optimize Voltage and Current Output by using Temperature Gradients	AST: Academy of Science and Technology
2nd Place	Senior	Engineering Mechanics	Cayson Wang	SmartPanel: An ML-Assisted Active Control System for Reducing Solar Array Vibrations of Satellites	AST: Academy of Science and Technology
2nd Place	Senior	Environmental Engineering	Natasha Pesnell	Mitigating The Effects Of Fast Fashion And Concrete on Greenhouse Gas	AST: Academy of Science and Technology
2nd Place	Senior	Mathematics	Sana Kale	A Novel Optimizer Equation to Predict KI67 Scores from Breast Cancer WSIs	Tomball HS
2nd Place	Senior	Medicine and Health	Kendall Wu	Telomere Shortening as a Novel Contributor to Inflammatory Bowel Disease: Findings from Population-Level and Wet Lab Analyses	Dulles High School
2nd Place	Senior	Physics and Astronomy	Silas Lovett	Three-Dimensional Web Application to Simulate and Analyze the Effectiveness of Various Space Debris Removal Strategies	Friendswood High School

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2nd Place	Senior	Plant Sciences	Vibhan Emmi, Adam Siddiqi	A Green Alliance: Evaluating the Synergistic Dynamics of PETase Expression and Plant-Microbe Interactions in Enhancing Microplastic Degradation Pathways in <i>S. alterniflora</i>	AST: Academy of Science and Technology
2nd Place	Senior	Robotics and Intelligent Machines	Rayhan Papar	NeuroSim - A Digital Twin-Enhanced Sim-to-Real Autonomous Neurosurgical Robot Using Deep Learning	AST: Academy of Science and Technology
2nd Place	Senior	Systems Software	Isha Sahnan	Thrive: An App for Regressive Autism Support, Redefining the Future of Neurodevelopmental Care with AI-Assisted Technology	ACES: Academy for Careers in Engineering and Scien
3rd Place	Junior	Aerospace Engineering	Tahia Bhuiyan, Ivanna Sanchez	What is the Optimal Wing Shape for a Glider's Flight Time?	Grantham MS
3rd Place	Junior	Animal Science	Emma zamarripa	What the chirp?	Seabrook Intermediate School
3rd Place	Junior	Behavioral and Social Sciences	Ibrahim Mamedov	How Does Multitasking Effect Short-term Memory in Adults Ages 50-79?	BCM Academy at James D Ryan - MS
3rd Place	Junior	Biochemistry and Microbiology	Peter Zwart	Using Radiation to Minimize Mold Growth on Bread	Westbrook Intermediate School
3rd Place	Junior	Biomedical Engineering	Katelyn Zahner	Training and Developing a Computer Vision System to Prevent Drowning	Seabrook Intermediate School
3rd Place	Junior	Chemical Engineering & Materials Science	Christian Chen, Kevin Choi, Aarav Saini	No Shellfish Intentions: Creating Chitosan Bioplastics from Shrimp Shells as a Sustainable Alternative to Petroleum Plastics	CAK Pack - Homeschool
3rd Place	Junior	Chemistry	Milan De Jager	Green Is Clean	Seabrook Intermediate School
3rd Place	Junior	Earth and Environmental Sciences	Mandy Cai	How does the form of barley straw affect algae?	McCullough Junior High
3rd Place	Junior	Embedded Systems	Aarin Mehta, Yuva Gade, Vidyut Krishnan	The Auto Diagnoses of Trypanosoma Cruzi Parasite Using Machine Learning	Sartartia Middle School
3rd Place	Junior	Energy and Transportation	Daniela Chourio	Optimizing Solar Efficiency with Quantum Dot Nanoparticles	Knox Junior High
3rd Place	Junior	Engineering Mechanics	Alivia Hus	The Capturing of Energy From Physical Movements	McCullough Junior High
3rd Place	Junior	Environmental Engineering	Varun Iyer	Analyzing the Efficacy of <i>P. chrysogenum</i> in the Biodegradation of Synthetic Plastic	McCullough Junior High
3rd Place	Junior	Mathematics	Sam Perkey	Beating the House Isn't as Hard as You Think	The Woodlands Methodist School - MS
3rd Place	Junior	Medicine and Health	Myreen Ahsan	Computational Simulations of RNA-Based Aptamers Targeting Epidermal Growth Factor Receptor (EGFR)+ Cells in Glioblastoma	Friendswood Junior High
3rd Place	Junior	Physics and Astronomy	Aiden Lee	Relationship of Temperature and Magnet Strength	The Woodlands Methodist School - MS
3rd Place	Junior	Plant Sciences	Sarah Sufyan	Go Green with Greywater!	Brookside Intermediate School
3rd Place	Junior	Robotics and Intelligent Machines	Dyuthi Vinna	Can AI accurately detect Breast Cancer?	York Junior High
3rd Place	Junior	Systems Software	Kirill Ponomarev	Programming Notes	League City Intermediate School
3rd Place	Senior	Aerospace Engineering	Arjun Paripelli	Hybrid Winglet Design Analysis for Aerodynamic Efficiency	AST: Academy of Science and Technology
3rd Place	Senior	Animal Science	Wilson Radman, Sebastian Popovici	A Study of the Effects of Constant Noise Pollution on <i>Palaemonetes paludosus</i>	AST: Academy of Science and Technology
3rd Place	Senior	Behavioral and Social Sciences	Aniket Chakraborty	Persona: A Novel Approach to Developing Interpretable and Efficient Conversational Depression Diagnosis Systems Based on Neurosymbolic Self-Supervised Machine Learning of Acoustic Modulations and Word Choice	AST: Academy of Science and Technology
3rd Place	Senior	Biochemistry and Microbiology	Abhiram Jyosyula, Oduna Akonzee, Avaneesh Parasnis	HMM & Structural Docking In Silico Framework for Identifying & Inhibiting CCN3 Protein Pathway Mutations in Osteosarcoma	Carnegie Vanguard HS
3rd Place	Senior	Biomedical Engineering	Isabelle Chan	Microfluidic Test Bed for Analyzing Shear-Mediated Platelet Adhesion: A Platform for Drug Development in Coagulation Regulation	DEBAKEY HIGH SCHOOL FOR HEALTH PROFESSIONS - HS

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3rd Place	Senior	Chemical Engineering & Materials Science	Elisa Feng	PLA-Chitosan Composites as Sustainable Alternatives for Menstrual Pads	St. Agnes Academy - HS
3rd Place	Senior	Chemistry	Nikita D'Souza	Purifying the Future: An Eco-Friendly, Selective Graphene Oxide-Chitosan Membrane Filtration System	AST: Academy of Science and Technology
3rd Place	Senior	Earth and Environmental Sciences	Rhea Chidambaram	Catch Your Breath: Innovative Methods for Carbon Capture and Storage	The Village School
3rd Place	Senior	Embedded Systems	Addison Binford	The Problem You Can't Smell!: Atmospheric Methane Detection in Rural Areas Continuation III	ASHP: Academy for Science and Health Prof
3rd Place	Senior	Energy and Transportation	Rishan Hemrajani, Suchay Kommisetty, Jay Sahni	Optimization of Solar Cells through Simulation of a Quantum Dot Buffer Layer	Jordan - HS
3rd Place	Senior	Engineering Mechanics	Nakshatra Kothapalli	HydroRescue: Solar Powered Desalination for Emergency Water Supply in Coastal Disaster and Post-Conflict Zones	Dulles High School
3rd Place	Senior	Environmental Engineering	Stephanie Shen	Automated Waste Categorization: Using Computer Vision and Mechatronic Sorting Mechanisms	Spring Branch Academic Institute
3rd Place	Senior	Mathematics	Sahil Kulkarni	Optimizing the Creation of Electronic Filters through the use of Meromorphic Functions	AST: Academy of Science and Technology
3rd Place	Senior	Medicine and Health	Vikram Gupta	BRAIN TUMOR ANALYZER - A Novel, Innovative & Non-Invasive Approach to Detect, Predict & Classify Brain Tumors Leveraging Artificial Intelligence & Deep Learning	Friendswood High School
3rd Place	Senior	Physics and Astronomy	Andy Long	Numerical Transition Radiation Simulations For Electron Beam Structure Analysis And Machine Learning Modeling	Seven Lakes - HS
3rd Place	Senior	Plant Sciences	Mikayla Marroquin, Amiya Casperson, Alix Duggan	Saving Every Drop: A Study on the Benefits of Hydro-gel Blended Soil in the Conservation of Water on Romaine Lettuce Plants	ASHP: Academy for Science and Health Prof
3rd Place	Senior	Robotics and Intelligent Machines	Ayaan Dhuka, Caiman Moreno-Earle, Landon Doughty	Swarm Scan: An Autonomous Lidar-Based Drone Swarm Solution for 3D Mapping	ST. JOHN'S SCHOOL
3rd Place	Senior	Systems Software	Bowen Xie, Hitesh Mallula	NutriTrack: An AI-Powered Nutrition App for Improved Cognizance of Food Safety	Glenda Dawson - HS
Honorable Mention	Junior	Aerospace Engineering	Rafaela Rossetto	What is the Most Efficient Shape for an Electrode of an Electrohydrodynamic Thruster?	McCullough Junior High
Honorable Mention	Junior	Animal Science	Gabriel Quan	Snakes on a Plane? How about snakes solving a maze?: Can snakes remember and solve puzzles faster after getting exposed to it many times?	McCullough Junior High
Honorable Mention	Junior	Biochemistry and Microbiology	Luke Arabis	Do different cleaning agents help remove Bacteria from cutting boards that were in contact with raw chicken?	Brookside Intermediate School
Honorable Mention	Junior	Biomedical Engineering	Matthew Ramsey	UnaPEELING Fruit	Seabrook Intermediate School
Honorable Mention	Junior	Chemistry	Manas Kinge	Investigating the Inhibitory Effects of Grape Extract on Alpha Amylase	McCullough Junior High
Honorable Mention	Junior	Earth and Environmental Sciences	Rishik Sharma	AutIS using a Arduino Uno R3 as a Microcontroller and a Diitao Resistive Soil Moisture Sensor	Creekside Park JH
Honorable Mention	Junior	Energy and Transportation	Bruce Shu	Grass to Ethanol: The Process	McCullough Junior High
Honorable Mention	Junior	Engineering Mechanics	Keegan Morris	Flipping out	Central Middle School
Honorable Mention	Junior	Environmental Engineering	Prudence Thomasson, Sable Clift	BANANA PADS!?! Part 2	Central Middle School
Honorable Mention	Junior	Mathematics	Sarai Angulo	Shuffle it up	Seabrook Intermediate School
Honorable Mention	Junior	Medicine and Health	Addison Dimmick	CO2mparing Lung Sizes of Different Athletes	Seabrook Intermediate School
Honorable Mention	Junior	Physics and Astronomy	Shaoting Gao	What Kind of Fruit Produces the Most Electricity?	Fort Settlement Middle School
Honorable Mention	Junior	Robotics and Intelligent Machines	Joseph Zajicek	Improving Fast Food Order Accuracy Using Weight Detection	Grand Lakes JH

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Honorable Mention	Junior	Systems Software	Dhruv Shah	EyeOnSugar: How Sweet Is Your Receipt?	Knox Junior High
Honorable Mention	Senior	Animal Science	Arnav Kulkarni	Investigating the Effects of Magnetic Fields in Drosophila hydei to Minimize Contamination Rates	AST: Academy of Science and Technology
Honorable Mention	Senior	Behavioral and Social Sciences	Tvisha Singh, Sophia Rice	Elderly Loneliness - The Effect of Peer Companionship on the Levels of Loneliness of People Ages 60 and Older	AST: Academy of Science and Technology
Honorable Mention	Senior	Biochemistry and Microbiology	Kevin Chen	Uncovering Nonlinear DNA Methylation Patterns: A New Perspective on Biological Age	DEBAKEY HIGH SCHOOL FOR HEALTH PROFESSIONS - HS
Honorable Mention	Senior	Biomedical Engineering	Neel Heblikar, Kavish Mehta, Veeraj Sirivolu	RadAI: A Multi-Agent LMM Based Radiology Teaching Software	Dulles High School
Honorable Mention	Senior	Chemical Engineering & Materials Science	Luke Liu	Development of Biodegradable Flame Retardant PLA Using Phytic Acid-Lysine Amino Acid Salt Compound	AST: Academy of Science and Technology
Honorable Mention	Senior	Earth and Environmental Sciences	Francisca Natter, Mariana Govea	Effectiveness of Moringa and SODIS in Treating Turbid Water	Eisenhower HS
Honorable Mention	Senior	Embedded Systems	Alexander Park	Developing a low-cost Peltier-element-based Precision Temperature Controller PCB	Cinco Ranch - HS
Honorable Mention	Senior	Energy and Transportation	Inu Baek	DynaCap: A Dynamic Wheel Cover System for Improving the Range and Performance of while Reducing CO2 Emissions from Automobiles	AST: Academy of Science and Technology
Honorable Mention	Senior	Engineering Mechanics	Justin Tai	Enhancing Tactile Feedback in Haptic Gloves for Immersive Virtual Reality Experiences	Spring Branch ISD
Honorable Mention	Senior	Environmental Engineering	Connor McCain, Edwin Rodriguez, Benjamin Adachi	Autonomous Modular Waste Disposal System with Beach Application	ST. JOHN'S SCHOOL
Honorable Mention	Senior	Mathematics	Sai Balaji	Fourier Transform and Statistical Methods in Heart Rate Variability Analysis	AST: Academy of Science and Technology
Honorable Mention	Senior	Medicine and Health	Ahaan Thota, Aarav Mehta, Aryan Ganglani	AI Enhanced Capsule Endoscopy: A Novel Paradigm for Real-Time Detection of Gastrointestinal Disorders	Dulles High School
Honorable Mention	Senior	Physics and Astronomy	Azhmeer Jesani	Mitigating the Curse of Dimensionality: A Parallel Sub-Circuit Quantum k-Nearest Neighbors Approach for High-Dimensional Data Classification	Clear Creek High School
Honorable Mention	Senior	Robotics and Intelligent Machines	Andy Shi	AI-Driven Weather Communication: A Multi-Lingual Livestreaming System Enhancing Public Awareness	The Kinkaid School - HS
Honorable Mention	Senior	Systems Software	Ashrith Velagandula, Agastya Varanasi	Developing an Interpretable AI Model for the Diagnosis and Monitoring of Sleep Apnea	DEBAKEY HIGH SCHOOL FOR HEALTH PROFESSIONS - HS