Beal Bank Dallas Regional Science and Engineering Fair 2020 Winners

Alexander Abarca | Testing Methods of Water Decontamination

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Microbiology | IRVING ISD | IRVING HS

Ziyad Abdullah | The Affect of Temperature on Papaya's Enzyme

Beal Bank Second Prize

Junior | Life | Biochemistry and Biomedical Engineering | PAROCHIAL | BRIGHTER HORIZONS MS

Ahmed Adookkattil | Splitting Water: Separating Water into Hydrogen and Oxygen

Beal Bank Second Prize

Junior | Physical | CHEMISTRY | PAROCHIAL | ISLAMIC SCHOOL OF IRVING MS

Rohan Aerrabolu | Utilizing Direct Currents in order to eliminate bacterial biofilms formed on medical implants

Beal Bank Honorable Mention

Senior | Life | Translation Medical Science | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Arnav Agarwal | Machine of Energy

Beal Bank Honorable Mention

Junior | Physical | Energy: Physical | PLANO ISD | HENDRICK MIDDLE SCHOOL

Shobhit Agarwal | Using Machine Learning to Classify Tumors and for Early Detection of Cancer

Beal Bank First Prize

Junior | Physical | Robotics & Intelligent Machines | FRISCO | PEARSON MIDDLE SCHOOL

Dev Aggarwal | Trash To Treasure

Beal Bank Third Prize

Junior | Life | Environmental Engineering | FRISCO | VANDEVENTER MIDDLE SCHOOL

Navya Agrawal | Cognition

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | ALLEN | ALLEN HIGH SCHOOL

Jehan Ahmed | The Effect of Human Activity on the Ocean's Water Quality

National Oceanic and Atmospheric Administration - Taking the Pulse of the Planet Award

Senior | Life | Earth & Environmental Systems | ALLEN | ALLEN HIGH SCHOOL

Abdullah Ahmed | Vanishing Vandalism

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PAROCHIAL | ISLAMIC SCHOOL OF IRVING HS

Amrita Ajmera | Street Lamp Shade to Reduce Light Pollution

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | OTTO MIDDLE SCHOOL

Amrita Ajmera | Street Lamp Shade to Reduce Light Pollution

North Texas Chapter of the Texas Master Naturalist (NTMN) - NTMN Junior Division

Junior | Life | Environmental Engineering | PLANO ISD | OTTO MIDDLE SCHOOL

Aishwarya Akella | Color-Coding Memory

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Eisha Alam | How Strong Are Those Bonds?

Beal Bank Honorable Mention

Junior | Physical | Mathematics and Physics & Astronomy | PAROCHIAL | BRIGHTER HORIZONS MS

Briana Alfaro | Converse Piezoelectric

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | PLANO ISD | ROBINSON MIDDLE SCHOOL

Nooria Ali | Solar Powered Water Desalination

Directed Energy Professional Society - Honorable Mention

Junior | Physical | Energy: Physical | PLANO ISD | RENNER MIDDLE SCHOOL

Rylie Allison | Which foods deliver the energy promised in the nutrition label more reliably? Whole foods or protein bars?

Beal Bank Honorable Mention

Senior | Life | Biochemistry | COPPELL ISD | COPPELL HIGH SCHOOL

Kanak Ambwani | "Plantables" a new way of pencils

Beal Bank Honorable Mention

Junior | Life | Earth & Environmental Systems | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Kanak Ambwani | "Plantables" a new way of pencils

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Junior | Life | Earth & Environmental Systems | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Rohan Anakal | An Investigation In Sports Helmets

Beal Bank Honorable Mention

Senior | Physical | Physics & Astronomy | COPPELL ISD | COPPELL HIGH SCHOOL

Rohan Anakal | An Investigation In Sports Helmets

The Cooper Institute - Exercise/Health/Nutrition, Senior, 2nd Place

Senior | Physical | Physics & Astronomy | COPPELL ISD | COPPELL HIGH SCHOOL

Niharika Anand | Natural electricity

Beal Bank Second Prize

Junior | Physical | Energy: Chemical | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Nura Anbari | What is best for dry skin?

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | PAROCHIAL | BRIGHTER HORIZONS MS

Angelina Arevalo | Runoff Water Filter

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Angelina Arevalo | Runoff Water Filter

U.S. Environmental Protection Agency 6th chapter - Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Angelina Arevalo | Runoff Water Filter

WEAT / TAWWA - Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Jenifer Argueta | Testing Methods of Water Decontamination

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Microbiology | IRVING ISD | IRVING HS

Brendan Atok | Correlation between Age and rank on the Hierarchy of Needs.

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | PLANO ISD | HAGGARD MIDDLE SCHOOL

Fatima Azam | Which skincare ingredient works best with Salicylic Acid to most effectively stop the proliferation of Gram-positive bacteria?

Beal Bank Honorable Mention

Senior | Life | Microbiology | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Owen Baggett | Sound Dampening Materials That Maintain Music Quality

Beal Bank Third Prize

Junior | Life | Biomedical & Health Sciences | PLANO ISD | FRANKFORD MIDDLE SCHOOL

Natasha Banga | Cracking the Cocaine Code: A Retrospective, Case-Control Study to Assess Prevalence, Clinical Characteristics, and Post-Transplant Outcomes Among Recipients of Lung Donors With Cocaine Use

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Ayman Bari | Synthetic Anti-Biotics vs Natural Anti-Biotics

Beal Bank First Prize

Junior | Life | Microbiology | PAROCHIAL | ISLAMIC SCHOOL OF IRVING MS

Jishnu Basu | Impact of Biosynthesized Silver Nanoparticles on Bacterial Growth

Dallas County Medical Society - 2nd Place

Senior | Life | Biomedical & Health Sciences | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Riley Bayer | UPF clothing

Beal Bank Honorable Mention

Junior | Physical | Materials Science | PLANO ISD | HAGGARD MIDDLE SCHOOL

Erin Beall | The Future of Rainbows

Beal Bank Third Prize

Junior | Physical | Mathematics and Physics & Astronomy | PLANO ISD | OTTO MIDDLE SCHOOL

Erin Beall | The Future of Rainbows

Directed Energy Professional Society - Junior 2nd Place

Junior | Physical | Mathematics and Physics & Astronomy | PLANO ISD | OTTO MIDDLE SCHOOL

Otto Beall | An Affordable Pipe Inspection Leak Detection Robot

North Texas Association of Environmental Professionals - Environmental Excellence

Senior | Life | Environmental Engineering | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Otto Beall | An Affordable Pipe Inspection Leak Detection Robot

WEAT / TAWWA - Honorable Mention

Senior | Life | Environmental Engineering | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Alison Bell | The Effect of Pollution on Plant development

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Esha Bhandari | Water Quality Over Time

Beal Bank Honorable Mention

Junior | Life | Biochemistry and Biomedical Engineering | FRISCO | FOWLER MIDDLE SCHOOL

Harshal Bharatia | Visiboost: A Smart Surgery Sidekick

Beal Bank Third Prize

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | VINES HIGH SCHOOL

Shriya Bhat | A Novel Nontoxic Approach to Stilting the Growth and Facilitating Antibiotic Penetration of Pseudomonas fluorescens Biofilm with Adjuvant Antioxidants

Beal Bank Second Prize

Senior | Life | Microbiology | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Manyaa Bhatia | Fighting Alzheimers: Memories Last

Beal Bank Second Prize

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | FRISCO | PEARSON MIDDLE SCHOOL

Abhinav Bichal | Development of an Accelerometer- Based Medical Device for Posture Management

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | FRISCO | LEBANON TRAIL HIGH SCHOOL

Abhinav Bichal | Development of an Accelerometer- Based Medical Device for Posture Management

The Cooper Institute - Exercise/Health/Nutrition, Senior, 3rd Place

Senior | Life | Biomedical & Health Sciences | FRISCO | LEBANON TRAIL HIGH SCHOOL

Siddarth Bidare | Coding a Camera With Artificial Intelligence to Assist the Vision Impaired

Beal Bank First Prize

Junior | Physical | Systems Software | PLANO ISD | RENNER MIDDLE SCHOOL

Saida Bidiwala | Paper Recycling Mechanism

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PRIVATE | DALLAS INTERNATIONAL MS

Anika Bokil | Smart Farming using Intelligent Automated Texture Analysis-based Remote Sensing System

Beal Bank Honorable Mention

Senior | Physical | Systems Software | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Anika Bokil | Smart Farming using Intelligent Automated Texture Analysis-based Remote Sensing System

The Mars Society -DFW Chapter - Honorable Mention

Senior | Physical | Systems Software | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Anika Bokil | Smart Farming using Intelligent Automated Texture Analysis-based Remote Sensing System

Yale Science & Engineering Association, Inc. - Most Outstanding 11th Grade Exhibit

Senior | Physical | Systems Software | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Maya Brown | Effect of Duckweed on Ammonia Levels in Water

Beal Bank Second Prize

Junior | Life | Plant Sciences | PLANO ISD | FRANKFORD MIDDLE SCHOOL

Anjali Brown | Combating the Opioid Epidemic: The Effects of Zanthoxylum clava-herculis and Lactuca virosa on the Pain Receptors within Dugesia tigrina

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Daniel Brubaker | The Use of a Neural Network for Skin Cancer Diagnosis

Beal Bank Honorable Mention

Senior | Physical | Systems Software | PLANO ISD | THE ACADEMY HIGH SCHOOL

Truc Bui | The Effect of Probiotics and Metallothionein Proteins on Type II Diabetes through the change of the level of bifidobacteria , blood sugar level, insulin level, and inflammation factor

Beal Bank Third Prize

Senior | Life | Biomedical & Health Sciences | PLANO ISD | JASPER HIGH SCHOOL

Birch Burns | Which Insulation Works Best

Beal Bank Honorable Mention

Junior | Physical | Materials Science | DALLAS | EDUARDO MATA MONTESSORI

Clay Caldwell | Fishing

Beal Bank Honorable Mention

Junior | Life | ANIMAL SCIENCE | Sam Rayburn ISD | RAYBURN MIDDLE SCHOOL

Clay Caldwell | Fishing

Dallas County Veterinary Medical Association - Honorable Mention

Junior | Life | ANIMAL SCIENCE | Sam Rayburn ISD | RAYBURN MIDDLE SCHOOL

Lina Canales | Are DISD Students Exposed to Contaminated Soil?

American Industrial Hygiene Association- North Texas Section - Honorable Mention

Junior | Life | Earth & Environmental Systems | DALLAS | IRMA RANGEL YOUNG WOMEN'S LEADERSHIP SCHOOL - MIDDLE SCHOOL

Lauren Carl | Brown Avocados

Beal Bank Honorable Mention

Junior | Life | Biochemistry and Biomedical Engineering | Ennis ISD | ENNIS JUNIOR HIGH SCHOOL

Anna Carlisle | POREfessionals

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PLANO ISD | CLARK HIGH SCHOOL

Dylan Carreau | Another Nail Bites The Rust

Beal Bank Third Prize

Junior | Physical | Materials Science | UPLIFT EDUCATION | UPLIFT SUMMIT MS

Joshua Carroll | Rising Sea Level, Rising Concern: The Probability of Massive Flooding of Eight of the World's Largest Cities

NASA - Earth System Science Award

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Ananya Chakravarthi | How is heat transmission correlated with light transparency?

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | MURPHY MIDDLE SCHOOL

Neel Chalemela | Investigation of Microplastics in Water

U.S. Environmental Protection Agency 6th chapter - Exemplary Achievement in Environmental Protection

Senior | Life | Environmental Engineering | COPPELL ISD | COPPELL HIGH SCHOOL

Shantikiran Chanal | Scanoma: A Novel Approach to the Detection of Skin Cancer Sub-Classifications using Machine Learning

Beal Bank Honorable Mention

Senior | Life | Biomedical Engineering | FRISCO | REEDY HIGH SCHOOL

Keshav Chandrasekhara | Oil Busters

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | CHARTER | UPLIFT NORTH HILLS HS

Ananya Chawla | The effect of different concentrations of benzoyl peroxide, adapalene, clindamycin, salicylic acid, and tretinoin as active ingredients in acne medication on Escherichia Coli bacteria, as measured every 24 hours over the course of 3 days.

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Anika Chebrolu | In-Silico Molecular Docking Study of Novel Hemagglutinin Inhibitors to Combat Influenza Epidemic

Beal Bank Third Prize

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | FRISCO | NELSON MIDDLE SCHOOL

Kaelyn Chendana | Which Type of Activated Carbon Filters water the Best: Powdered or Granulated?

Beal Bank Honorable Mention

Junior | Physical | CHEMISTRY | PLANO ISD | ROBINSON MIDDLE SCHOOL

Rohan Cherukuru | A Low-Cost Non-Invasive Method of Blood Glucose Measurement Using Capacitance and Near-Infrared Spectroscopy

Beal Bank Honorable Mention

Senior | Life | Biomedical Engineering | DALLAS | SCHOOL OF SCIENCE AND ENGINEERING AT YVONNE A. EWELL TOWNVIEW CENTER

Rohan Chhaya | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Beal Bank First Prize

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Rohan Chhaya | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Beal Bank Grand Prize Runner Up

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Rohan Chhaya | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Collins Leadership Association - Outstanding Communications Project Senior Div. 3rd Place

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Rohan Chhaya | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Directed Energy Professional Society - Senior 2nd Place

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Rohan Chhaya | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

National Space Society of North Texas - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Rohan Chhaya | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Rohan Chhaya | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

The Mars Society -DFW Chapter - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Anusri Chinni | STOP THE FLOOD!

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | CHARTER | UPLIFT NORTH HILLS MS

Joshua Chio | Exploration of Martian Agriculture

Beal Bank Third Prize

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Joshua Chio | Exploration of Martian Agriculture

National Space Society of North Texas - Space Exploration Scholarship 3rd Place

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Joshua Chio | Exploration of Martian Agriculture

The Mars Society -DFW Chapter - The Mars Society-Curiosity Award

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Jake Chostner | How Does Different Water Affect the Growth of Plants?

Beal Bank Honorable Mention

Junior | Life | Plant Sciences | PAROCHIAL | ALL SAINTS CATHOLIC

Jade Chu | Without a Trace of Food Allergens

Beal Bank First Prize

Junior | Life | Biomedical & Health Sciences | PLANO ISD | RICE MIDDLE SCHOOL

Pranav Civi | High efficiency Nano Fibrillated Cellulose (NFC) incorporated with Fullers Earth clay inducing a tortuous diffusion path for a superior oxygen barrier property resulting in an organic fire retardant coating for structural wood.

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

James Coffman | Catfish Cereal Bait

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | FRISCO | LAWLER MIDDLE SCHOOL

Siddhartha Das | Ferrofluids: A New Generation of Filtration

WEAT / TAWWA - Honorable Mention

Senior | Life | Environmental Engineering | CHARTER | UPLIFT NORTH HILLS HS

Ayon Das | Mobile device accurately identifies trace toxins using an Artificial Sequential Recurrent Neural Network

Beal Bank First Prize

Senior | Physical | CHEMISTRY | PLANO ISD | JASPER HIGH SCHOOL

Ayon Das | Mobile device accurately identifies trace toxins using an Artificial Sequential Recurrent Neural Network

DFW Chapter of Hazardous Materials Managers - 1st Place Senior Division Best Hazardous Materials Project

Senior | Physical | CHEMISTRY | PLANO ISD | JASPER HIGH SCHOOL

Ayon Das | Mobile device accurately identifies trace toxins using an Artificial Sequential Recurrent Neural Network

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | CHEMISTRY | PLANO ISD | JASPER HIGH SCHOOL

Arman Deendar | The Effects of Blue Light Exposure on the Antimicrobial Properties of Reactive Oxygen Species of Silver Nanoparticles in Gram Positive and Gram Negative Bacterial Organisms

Beal Bank Honorable Mention

Senior | Life | Microbiology | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Akanksha Deka | Blocking flavoprotein generation offers NEW avenues to combat vancomycin-resistant Enterococcus (VRE) infections

Beal Bank First Prize

Senior | Life | Microbiology | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Jathin Desan | Early detection using a Novel Climatic-Ecological Niche Model in Prediction of West Nile Virus: Descriptive analysis of WNV neuro and non-neuro cases with Machine Learning

Beal Bank Second Prize

Senior | Life | ANIMAL SCIENCE | FRISCO | INDEPENDENCE HIGH SCHOOL

Sahana Dhananjayan | Colloidal Synthesis of Green Nanoparticles: Theranostic In Vitro Approach To Hormone Therapy

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Aaditya Dhar | IoT-Based Wireless Diaper Monitoring System

Beal Bank Second Prize

Junior | Physical | Embedded Systems | PLANO ISD | RENNER MIDDLE SCHOOL

Aaditya Dhar | IoT-Based Wireless Diaper Monitoring System

Collins Leadership Association - Outstanding Communications Project Junior Div. 1st Place

Junior | Physical | Embedded Systems | PLANO ISD | RENNER MIDDLE SCHOOL

Aaditya Dhar | IoT-Based Wireless Diaper Monitoring System

Texas Instruments - Best electronics or computing project, Junior Division

Junior | Physical | Embedded Systems | PLANO ISD | RENNER MIDDLE SCHOOL

Abhinav Divyakolu | An Investigation In Sports Helmets

Beal Bank Honorable Mention

Senior | Physical | Physics & Astronomy | COPPELL ISD | COPPELL HIGH SCHOOL

Abhinav Divyakolu | An Investigation In Sports Helmets

The Cooper Institute - Exercise/Health/Nutrition, Senior, 2nd Place

Senior | Physical | Physics & Astronomy | COPPELL ISD | COPPELL HIGH SCHOOL

Danielle Djuandi | POREfessionals

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PLANO ISD | CLARK HIGH SCHOOL

Lena Doan | Immortal Roses

Beal Bank First Prize

Junior | Life | Plant Sciences | PLANO ISD | OTTO MIDDLE SCHOOL

Sriya Dommaraju | The Combined and Individual Effects of Essential Oils on Serratia marcescens and Neisseria subflava

Beal Bank Honorable Mention

Senior | Life | Biochemistry | PLANO ISD | JASPER HIGH SCHOOL

Ivana Durcanska | The Effects of Blue Light Exposure on the Antimicrobial Properties of Reactive Oxygen Species of Silver Nanoparticles in Gram Positive and Gram Negative Bacterial Organisms

Beal Bank Honorable Mention

Senior | Life | Microbiology | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Michelle Ee | How can therapists and medical professionals use artificial intelligence agents to increase efficiency in the workplace?

Beal Bank Honorable Mention

Junior | Physical | Robotics & Intelligent Machines | FRISCO | PEARSON MIDDLE SCHOOL

Arshia Elahi | The Sound of a Solution: An Affordable, Self-Calibrating Hearing Aid Via Semi-Porous Nitinol Compression and Optimization of a Novel Concave Amplification Technique

Acoustical Society of America - Outstanding Senior Acoustic Project

Senior | Physical | Materials Science | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Arshia Elahi | The Sound of a Solution: An Affordable, Self-Calibrating Hearing Aid Via Semi-Porous Nitinol Compression and Optimization of a Novel Concave Amplification Technique

ASM Materials Education Foundation - Most Outstanding Exhibit in Materials Science

Senior | Physical | Materials Science | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Arshia Elahi | The Sound of a Solution: An Affordable, Self-Calibrating Hearing Aid Via Semi-Porous Nitinol Compression and Optimization of a Novel Concave Amplification Technique

Beal Bank First Prize

Senior | Physical | Materials Science | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Arshia Elahi | The Sound of a Solution: An Affordable, Self-Calibrating Hearing Aid Via Semi-Porous Nitinol Compression and Optimization of a Novel Concave Amplification Technique

Beal Bank Grand Prize

Senior | Physical | Materials Science | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Arshia Elahi | The Sound of a Solution: An Affordable, Self-Calibrating Hearing Aid Via Semi-Porous Nitinol Compression and Optimization of a Novel Concave Amplification Technique

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | Materials Science | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Sushanth Elangovan | Trash To Treasure

Beal Bank Third Prize

Junior | Life | Environmental Engineering | FRISCO | VANDEVENTER MIDDLE SCHOOL

Kyle Elms | An investigation of the effect of natural preservatives on strawberries

Beal Bank Honorable Mention

Senior | Life | Biochemistry | COPPELL ISD | COPPELL HIGH SCHOOL

Emmanuel Elsaadany | A better design for a cane

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | ARMSTRONG MIDDLE SCHOOL

Arun Eswara | BioProtect: A Phased Array Spatial Sensor for Visual Detection and Assistance

Beal Bank Second Prize

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Arun Eswara | BioProtect: A Phased Array Spatial Sensor for Visual Detection and Assistance

Texas Instruments - Best electronics or computing project, Senior Division

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Catherine Everitt | Solar Desalination

U.S. Environmental Protection Agency 6th chapter - Honorable Mention

Junior | Life | Earth & Environmental Systems | PRIVATE | DALLAS INTERNATIONAL MS

Amalia Figueroa-Nieves | The Effects of Video Games on the Cognitive Abilities of Adolescents

Beal Bank Honorable Mention

Senior | Life | Behavioral & Social Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Katherine Forson | The Effect of Different Roofing Shingle Materials on Air Temperature

American Meteorology Society - Outstanding Achievement in Atmospheric Science, Senior Division

Senior | Life | Earth & Environmental Systems | PLANO ISD | SHEPTON HIGH SCHOOL

Danielle Furman | A Portable and Cost-Effective Device Designed To Assist People To Transfer From a Walker Into and Out of a Car

Beal Bank Third Prize

Senior | Physical | Engineering Mechanics | PLANO ISD | SHEPTON HIGH SCHOOL

Danielle Furman | A Portable and Cost-Effective Device Designed To Assist People To Transfer From a Walker Into and Out of a Car

DiscoverSTEM - Honorable Mention

Senior | Physical | Engineering Mechanics | PLANO ISD | SHEPTON HIGH SCHOOL

Mk Futrell | The Dangers of Chemical UV Filter Oxybenzone: A Meta-Analysis and Systematic Review

Beal Bank Second Prize

Senior | Life | Earth & Environmental Systems | PAROCHIAL | BISHOP LYNCH HIGH

Mk Futrell | The Dangers of Chemical UV Filter Oxybenzone: A Meta-Analysis and Systematic Review

GENIUS Olympiad - Exceptional Genius Award

Senior | Life | Earth & Environmental Systems | PAROCHIAL | BISHOP LYNCH HIGH

Matthew Futrell | Improving the Cost Efficiency of Bullet-Resistant Vests

Beal Bank Second Prize

Senior | Physical | Materials Science | PAROCHIAL | BISHOP LYNCH HIGH

Rohakk Gaddam | Ferrofluids: A New Generation of Filtration

WEAT / TAWWA - Honorable Mention

Senior | Life | Environmental Engineering | CHARTER | UPLIFT NORTH HILLS HS

Erika Gamboa | The Effect of Leading Edge on Lift

Beal Bank Honorable Mention

Senior | Physical | Engineering Mechanics | IRVING ISD | IRVING HS

Rishi Gandikota | Testing the Effectiveness of Various Filtration Systems on the Removal of Fluoride from Water

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | ALLEN | LOWERY FRESHMEN CENTER

Rithvik Ganesh | Tackling Tangles: Using a Caenorhabditis elegans model along with computational screening to identify effective inhibitors to treat the progression of Alzheimer's Disease

Beal Bank Third Prize

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | JASPER HIGH SCHOOL

Saketh Gangadaranellore | Using Convoluted Neural Networks to Predict Chest X-rays

State of Texas Chapter – Health Physics Society - Honorable Mention

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | SHEPTON HIGH SCHOOL

Adith Gangalakunta | Efficiently Inhibiting Colon Cancer with a Cumin Conjugate : An in-silico molecular docking based analysis of a unique cuminaldehyde based ligand and its binding properties to Protein Kinase A

Beal Bank Honorable Mention

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | JASPER HIGH SCHOOL

Ria Garg | Screening for Parkinsons: Isolating Characteristic Typing Patterns with Machine Learning

Beal Bank Third Prize

Junior | Life | Behavioral & Social Sciences | FRISCO | LAWLER MIDDLE SCHOOL

Yash Garg | Overrated? Modeling Behavioral Bias in Online User Ratings

Beal Bank Honorable Mention

Senior | Life | Behavioral & Social Sciences | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Rahul Garikapati | Synthesis and Evaluation of Carbapenem Antibiotics Targeting OXA-23 Producing Acinetobacter baumannii

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | COPPELL ISD | COPPELL HIGH SCHOOL

Kaushik Gattepalli | Solution to Sand Erosion

Terracon, Inc. - Environmental Excellence Award, Senior Div. 2nd Place Individual

Senior | Life | Environmental Engineering | DALLAS | SCHOOL FOR THE GIFTED AND TALENTED AT YVONNE A EWELL TOWNVIEW CENTER

Mrigayu Ghosh | Deriving Cardiac Cells through Direct Reprogramming Using a Stochastic Simulation to Determine the Necessary Transcription Factors and a Suitable Starting Cell Type

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | CHARTER | UPLIFT NORTH HILLS HS

Mrigayu Ghosh | Deriving Cardiac Cells through Direct Reprogramming Using a Stochastic Simulation to Determine the Necessary Transcription Factors and a Suitable Starting Cell Type

Dallas County Medical Society - Honorable Mention

Senior | Life | Biomedical & Health Sciences | CHARTER | UPLIFT NORTH HILLS HS

Rohan Gidvani | Do Different Types of Containers Affect the pH of Water?

Beal Bank Honorable Mention

Junior | Physical | CHEMISTRY | PLANO ISD | RENNER MIDDLE SCHOOL

Katherine Gipp | Pet Town

Beal Bank Honorable Mention

Junior | Physical | Systems Software | FRISCO | PEARSON MIDDLE SCHOOL

Sarang Goel | Smart Ventilation For Vehicles Using Machine Learning

Beal Bank First Prize

Junior | Physical | Embedded Systems | COPPELL | COPPELL MIDDLE EAST

Sarang Goel | Smart Ventilation For Vehicles Using Machine Learning

DiscoverSTEM - Honorable Mention

Junior | Physical | Embedded Systems | COPPELL | COPPELL MIDDLE EAST

Sarang Goel | Smart Ventilation For Vehicles Using Machine Learning

Office of Naval Research - Naval Science Award, Junior Division

Junior | Physical | Embedded Systems | COPPELL | COPPELL MIDDLE EAST

Sarang Goel | Smart Ventilation For Vehicles Using Machine Learning

Texas Instruments - Best electronics or computing project, Junior Division

Junior | Physical | Embedded Systems | COPPELL | COPPELL MIDDLE EAST

Skylar Greenman | Converse Piezoelectric

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | PLANO ISD | ROBINSON MIDDLE SCHOOL

Jasper Grizzle | Let It Roll

Beal Bank First Prize

Junior | Physical | Mathematics and Physics & Astronomy | PLANO ISD | RENNER MIDDLE SCHOOL

Jasper Grizzle | Let It Roll

Office of Naval Research - Naval Science Award, Junior Division

Junior | Physical | Mathematics and Physics & Astronomy | PLANO ISD | RENNER MIDDLE SCHOOL

Winston Gruver | Life Through A Tinted Glass: The Effect of School Subject on Colorblindness Accessibility in Class Textbooks

Beal Bank Honorable Mention

Senior | Life | Behavioral & Social Sciences | PLANO ISD | SHEPTON HIGH SCHOOL

Gianni Guez | Cold Starts

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | PAROCHIAL | THE HIGHLANDS SCHOOL

Manya Gummaraju | Effect of different edible ingredients on the inheritance patterns of a sex linked trait in Drosophila melanogaster

Beal Bank First Prize

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | PLANO ISD | RICE MIDDLE SCHOOL

Manya Gummaraju | Effect of different edible ingredients on the inheritance patterns of a sex linked trait in Drosophila melanogaster

Beal Bank Grand Prize

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | PLANO ISD | RICE MIDDLE SCHOOL

Yifan Guo | Electromagnetic Transportation System

Beal Bank Second Prize

Senior | Physical | Engineering Mechanics | PLANO ISD | JASPER HIGH SCHOOL

Yifan Guo | Electromagnetic Transportation System

DiscoverSTEM - Honorable Mention

Senior | Physical | Engineering Mechanics | PLANO ISD | JASPER HIGH SCHOOL

Yifan Guo | Electromagnetic Transportation System

U.S. Metric Association - Best Use of SI Units in a Project, Senior Division

Senior | Physical | Engineering Mechanics | PLANO ISD | JASPER HIGH SCHOOL

Raghav Gupta | An aPEELing Fertilizer - Effect of Banana Peel on Plant and algal growth

Beal Bank Second Prize

Junior | Life | Earth & Environmental Systems | PLANO ISD | RENNER MIDDLE SCHOOL

Aishani Gupta | Lead Sinkers Be Gone: Effect of Coriandrum sativum On Removal of Lead from Aquatic Environment

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | SHEPTON HIGH SCHOOL

Aishani Gupta | Lead Sinkers Be Gone: Effect of Coriandrum sativum On Removal of Lead from Aquatic Environment

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | SHEPTON HIGH SCHOOL

Taran Gupta | Combating the Opioid Epidemic: The Effects of Zanthoxylum clava-herculis and Lactuca virosa on the Pain Receptors within Dugesia tigrina

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Anay Gupta | Optimizing Flexible Amorphous Dealloyed Nanoporous Metallic Glass with Hierarchical Nanostructures as External Deformations for High Performance Supercapacitors

Beal Bank Third Prize

Senior | Physical | CHEMISTRY | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Chloe Guyton | Penny Power

Beal Bank Honorable Mention

Junior | Physical | Energy: Chemical | UPLIFT EDUCATION- CHARTER | UPLIFT ELEVATE MS

Aleksander Guzman | Monitoring the elderly using sensors with IoT

Beal Bank Honorable Mention

Junior | Physical | Systems Software | PLANO ISD | BOWMAN MIDDLE SCHOOL

Lucas Hatcher | Direct Carbon Capture

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | ALLEN | FORD MIDDLE SCHOOL

Ethan Havemann | Exploration of Martian Agriculture

Beal Bank Third Prize

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Ethan Havemann | Exploration of Martian Agriculture

National Space Society of North Texas - Space Exploration Scholarship 3rd Place

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Ethan Havemann | Exploration of Martian Agriculture

The Mars Society -DFW Chapter - The Mars Society-Curiosity Award

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Jesse He | A Heuristics-based method for Determination of Dehydration Severity

Beal Bank Honorable Mention

Junior | Physical | Systems Software | PLANO ISD | RICE MIDDLE SCHOOL

Haley Hicks | Natural vs. Artificial Toothpaste

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | FRISCO | VANDEVENTER MIDDLE SCHOOL

Ryan Hirasaki | The Use of a Neural Network for Skin Cancer Diagnosis

Beal Bank Honorable Mention

Senior | Physical | Systems Software | PLANO ISD | THE ACADEMY HIGH SCHOOL

Sanjana Hiremath | A Second Year Study on the Bioremediation of Tetracycline Polluted Soils: How Antibiotic Resistance can Reduce Antibiotic Pollution in the Environment and a Solution to Groundwater Antibiotic Pollution

Beal Bank First Prize

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sanjana Hiremath | A Second Year Study on the Bioremediation of Tetracycline Polluted Soils: How Antibiotic Resistance can Reduce Antibiotic Pollution in the Environment and a Solution to Groundwater Antibiotic Pollution

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sanjana Hiremath | A Second Year Study on the Bioremediation of Tetracycline Polluted Soils: How Antibiotic Resistance can Reduce Antibiotic Pollution in the Environment and a Solution to Groundwater Antibiotic Pollution

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Zachary Homer | Natural vs. Artificial Toothpaste

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | FRISCO | VANDEVENTER MIDDLE SCHOOL

Kylee Howard | Battling Bacteria

Beal Bank Honorable Mention

Junior | Life | Microbiology | PLANO ISD | HAGGARD MIDDLE SCHOOL

Rebecca Huang | The Effect of Human Activity on the Ocean's Water Quality

National Oceanic and Atmospheric Administration - Taking the Pulse of the Planet Award

Senior | Life | Earth & Environmental Systems | ALLEN | ALLEN HIGH SCHOOL

Adil Husain | iSight 2.0: Artificial Intelligence Brings Vision to the Visually Impaired

Beal Bank Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | JASPER HIGH SCHOOL

Safwan Islam | Cognition

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | ALLEN | ALLEN HIGH SCHOOL

Omar Ismaiel | Do Different Types of Containers Affect the pH of Water?

Beal Bank Honorable Mention

Junior | Physical | CHEMISTRY | PLANO ISD | RENNER MIDDLE SCHOOL

Sakeena Ismail | Anxiety Alleviation

The Cooper Institute - Exercise/Health/Nutrition, Junior, 1st Place

Junior | Life | Behavioral & Social Sciences | PLANO ISD | ARMSTRONG MIDDLE SCHOOL

Anjali Iyer | Moss! : The Effect of Sphagnum Moss on the Contamination of Groundwater as a Biological Remediation, Compared to Chemical Remediation's.

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Anjali Iyer | Moss! : The Effect of Sphagnum Moss on the Contamination of Groundwater as a Biological Remediation, Compared to Chemical Remediation's.

Stockholm Junior Water Prize - Award for Excellence in a Water-Related Project

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Anjali Iyer | Moss! : The Effect of Sphagnum Moss on the Contamination of Groundwater as a Biological Remediation, Compared to Chemical Remediation's.

Terracon, Inc. - Environmental Excellence Award, Senior Div. 3rd Place Individual

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Anjali Iyer | Moss! : The Effect of Sphagnum Moss on the Contamination of Groundwater as a Biological Remediation, Compared to Chemical Remediation's.

WEAT / TAWWA - Senior Division, 1st Place

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Aryan Jain | Override Carbon Dioxide- A Digital Tool for Predicting Optimal Infrastructure Conditions Based on Current City Infrastructure and CO2 Pollution Levels

Beal Bank Third Prize

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Paarth Jamdagneya | Testing the Effectiveness of Various Filtration Systems on the Removal of Fluoride from Water

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | ALLEN | LOWERY FRESHMEN CENTER

Jacob Jander | Cold Starts

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | PAROCHIAL | THE HIGHLANDS SCHOOL

Sean Jannati | An Efficient and Affordable Solution to Reduce Post-Stroke Paralysis Recovery Time

Beal Bank Honorable Mention

Senior | Life | Biomedical Engineering | PLANO ISD | SHEPTON HIGH SCHOOL

Ishaan Javali | E-rrigation - A Sprinkler Design System to Minimize Water Loss

Beal Bank Second Prize

Senior | Physical | Systems Software | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Ishaan Javali | E-rrigation - A Sprinkler Design System to Minimize Water Loss

Stockholm Junior Water Prize - Award for Excellence in a Water-Related Project

Senior | Physical | Systems Software | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Ishaan Javali | E-rrigation - A Sprinkler Design System to Minimize Water Loss

WEAT / TAWWA - Senior Division, 2nd Place

Senior | Physical | Systems Software | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Parthiv Javangula | Investigation of Microplastics in Water

U.S. Environmental Protection Agency 6th chapter - Exemplary Achievement in Environmental Protection

Senior | Life | Environmental Engineering | COPPELL ISD | COPPELL HIGH SCHOOL

Shanmuka Jayanti | Development of an Accelerometer- Based Medical Device for Posture Management

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | FRISCO | LEBANON TRAIL HIGH SCHOOL

Shanmuka Jayanti | Development of an Accelerometer- Based Medical Device for Posture Management

The Cooper Institute - Exercise/Health/Nutrition, Senior, 3rd Place

Senior | Life | Biomedical & Health Sciences | FRISCO | LEBANON TRAIL HIGH SCHOOL

Vikrant Jeeva | Tofu Temptation

Beal Bank First Prize

Junior | Physical | CHEMISTRY | PLANO ISD | MURPHY MIDDLE SCHOOL

Vikrant Jeeva | Tofu Temptation

Office of Naval Research - Naval Science Award, Junior Division

Junior | Physical | CHEMISTRY | PLANO ISD | MURPHY MIDDLE SCHOOL

Ellen Jitcho | Do You Hear What I Hear?

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | COPPELL ISD | COPPELL HIGH SCHOOL

Bradley Johnson | The Sweet Spot Solution

Beal Bank Second Prize

Junior | Physical | Mathematics and Physics & Astronomy | PLANO ISD | HAGGARD MIDDLE SCHOOL

Yaamini Jois | Do You Hear What I Hear?

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | COPPELL ISD | COPPELL HIGH SCHOOL

Pranav Joshi | Turning Troubles

Beal Bank Second Prize

Junior | Physical | Systems Software | PLANO ISD | RENNER MIDDLE SCHOOL

Rishi Kalyandurg | An aPEELing Fertilizer - Effect of Banana Peel on Plant and algal growth

Beal Bank Second Prize

Junior | Life | Earth & Environmental Systems | PLANO ISD | RENNER MIDDLE SCHOOL

Nidhi Kalyanpur | Comparison of Prophylactic Effectiveness of Canine Saliva and OTC Antibacterials on E. coli (K-12 Strain)

Beal Bank Honorable Mention

Junior | Life | Microbiology | ALLEN | ERECKSON MIDDLE SCHOOL

Laya Kappagantula | The Natural Sunscreen

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Sneha Kar | Assistive Technology For the Blind Taken a Step Further

Beal Bank Honorable Mention

Junior | Physical | Embedded Systems | PLANO ISD | OTTO MIDDLE SCHOOL

Arjun Karthik | Nanobots and Heat

Beal Bank Honorable Mention

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | FRISCO | STALEY MIDDLE SCHOOL

Adithya Karthik | Door Latch Alarm

Beal Bank Honorable Mention

Junior | Physical | Embedded Systems | PLANO ISD | ROBINSON MIDDLE SCHOOL

Karthik Karuppiah | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Karthik Karuppiah | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Stockholm Junior Water Prize - Award for Excellence in a Water-Related Project

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Karthik Karuppiah | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Terracon, Inc. - Environmental Excellence Award, Senior Div. 1st Place Individual

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Karthik Karuppiah | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

WEAT / TAWWA - Senior Division, 3rd Place

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Samreen Kaur | Speed Up Plant Growth

Beal Bank Honorable Mention

Junior | Life | Plant Sciences | FRISCO | STAFFORD MIDDLE SCHOOL

Ojas Kaveeshwar | AI Therapist

Beal Bank Honorable Mention

Senior | Life | Computational Biology & Bioinformatics | FRISCO | REEDY HIGH SCHOOL

Abanish Khadka | Overclocking to the extreme

Beal Bank Honorable Mention

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | CHARTER | UPLIFT NORTH HILLS MS

Abdullah Khan | Synthetic Anti-Biotics vs Natural Anti-Biotics

Beal Bank First Prize

Junior | Life | Microbiology | PAROCHIAL | ISLAMIC SCHOOL OF IRVING MS

Rizwan Khan | Coding a Camera With Artificial Intelligence to Assist the Vision Impaired

Beal Bank First Prize

Junior | Physical | Systems Software | PLANO ISD | RENNER MIDDLE SCHOOL

Sophia Khan | An Innovative Technique for Restoring Environmental Damage as a result of Toxic Microcystins produced by Microcystis aeruginosa

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sophia Khan | An Innovative Technique for Restoring Environmental Damage as a result of Toxic Microcystins produced by Microcystis aeruginosa

DiscoverSTEM - Fahim STEM Excellence Award, Senior

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sarah Khurshid | Tackling Public Health Concerns Over Skin Bleaching: Can Lemon Be Used As An Alternative?

Beal Bank Honorable Mention

Senior | Life | Cellular & Molecular Biology | PAROCHIAL | ISLAMIC SCHOOL OF IRVING HS

Vivek Kogilathota | DyslexAI: A Novel Approach for Dyslexia Diagnosis and Therapy Using A Computer Webcam via Machine Learning

Beal Bank First Prize

Senior | Life | Biomedical Engineering | FRISCO | REEDY HIGH SCHOOL

Vivek Kogilathota | DyslexAI: A Novel Approach for Dyslexia Diagnosis and Therapy Using A Computer Webcam via Machine Learning

Beal Bank Grand Prize

Senior | Life | Biomedical Engineering | FRISCO | REEDY HIGH SCHOOL

Harsha Kosuri | The use of Pestalotiopsis microspora and fungi of the genus Pleurotus In the degradation of polyurethane

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sophie Krajmalnik | Optimizing Automotive Seating Position to Reduce Injury Severity in Short-Statured Drivers

Beal Bank Honorable Mention

Senior | Physical | Engineering Mechanics | PLANO ISD | SHEPTON HIGH SCHOOL

Nethra Krishnan | A Novel Approach implementing LiDAR towards the Visually Impaired Spectrum with Active In Motion Guidance

Beal Bank Honorable Mention

Senior | Physical | Embedded Systems | PLANO ISD | JASPER HIGH SCHOOL

Nethra Krishnan | A Novel Approach implementing LiDAR towards the Visually Impaired Spectrum with Active In Motion Guidance

Directed Energy Professional Society - Senior 1st Place

Senior | Physical | Embedded Systems | PLANO ISD | JASPER HIGH SCHOOL

Ronith Krishnaswamy | OFCU Model vs. ICPB Model in Protecting Marine Phytoplankton from Offshore Drilling Oil Leakage

Beal Bank Third Prize

Junior | Life | Earth & Environmental Systems | PLANO ISD | BOWMAN MIDDLE SCHOOL

Nikhil Kurella | Overclocking to the extreme

Beal Bank Honorable Mention

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | CHARTER | UPLIFT NORTH HILLS MS

Isha Kurlekar | The Secret of Sunscreen

Beal Bank Fourth Prize

Junior | Life | Earth & Environmental Systems | PLANO ISD | OTTO MIDDLE SCHOOL

Veda Kutagula | Predicting Suicide Risk Among Teenagers

American Psychological Association - Achievement in Psychological Science

Senior | Life | Behavioral & Social Sciences | ALLEN | LOWERY FRESHMEN CENTER

Veda Kutagula | Predicting Suicide Risk Among Teenagers

Beal Bank First Prize

Senior | Life | Behavioral & Social Sciences | ALLEN | LOWERY FRESHMEN CENTER

Aarav Lakdawala | Sidekick Here, Your Practice Gear

Beal Bank Second Prize

Junior | Physical | Engineering Mechanics | PLANO ISD | MURPHY MIDDLE SCHOOL

Aarav Lakdawala | Sidekick Here, Your Practice Gear

The Cooper Institute - Exercise/Health/Nutrition, Junior, 2nd Place

Junior | Physical | Engineering Mechanics | PLANO ISD | MURPHY MIDDLE SCHOOL

Isabel Lawrence | Dirty Birds: Which features help a basic automatic bird feeder reduce the mess and seed waste?

Dallas County Veterinary Medical Association - Junior Division, 1st Place

Junior | Life | ANIMAL SCIENCE | PLANO ISD | FRANKFORD MIDDLE SCHOOL

Katherine Lee | Finding an Accessible Environmentally Friendly Solution to Water Purification

U.S. Environmental Protection Agency 6th chapter - Exemplary Achievement in Environmental Protection

Junior | Life | Earth & Environmental Systems | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Katherine Lee | Finding an Accessible Environmentally Friendly Solution to Water Purification

WEAT / TAWWA - Junior Division, 1st Place

Junior | Life | Earth & Environmental Systems | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Louis Li | The Effect of Specific Pollutants on the Development of Alzheimerâ€™s

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Biomedical & Health Sciences | PLANO ISD | CLARK HIGH SCHOOL

Nicole Li | The Effect of Specific Pollutants on the Development of Alzheimerâ€™s

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Biomedical & Health Sciences | PLANO ISD | CLARK HIGH SCHOOL

Jennyfer Licona | De-Icing Ice

Beal Bank Third Prize

Junior | Physical | CHEMISTRY | PLANO ISD | ARMSTRONG MIDDLE SCHOOL

Neeka Lin | The Effect of Specific Pollutants on the Development of Alzheimerâ€™s

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Biomedical & Health Sciences | PLANO ISD | CLARK HIGH SCHOOL

Hazel Lindsey | Street Lamp Shade to Reduce Light Pollution

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | OTTO MIDDLE SCHOOL

Hazel Lindsey | Street Lamp Shade to Reduce Light Pollution

North Texas Chapter of the Texas Master Naturalist (NTMN) - NTMN Junior Division

Junior | Life | Environmental Engineering | PLANO ISD | OTTO MIDDLE SCHOOL

Lucy Lively | A World Without Wires

Beal Bank Fourth Prize

Junior | Physical | Engineering Mechanics | PAROCHIAL | THE HIGHLANDS SCHOOL

Lucy Lively | A World Without Wires

Collins Leadership Association - Outstanding Communications Project Junior Div. 2nd Place

Junior | Physical | Engineering Mechanics | PAROCHIAL | THE HIGHLANDS SCHOOL

Lucy Lively | A World Without Wires

McKinney Amateur Radio Club, Inc - Junior Division, 1st Place

Junior | Physical | Engineering Mechanics | PAROCHIAL | THE HIGHLANDS SCHOOL

Alyssa Lo | Plastic Crayons

Beal Bank Honorable Mention

Junior | Physical | Materials Science | FRISCO | PEARSON MIDDLE SCHOOL

Sara Losey | How does the Presence of Magnetism Affect Regeneration in Planaria?

Beal Bank Third Prize

Senior | Life | ANIMAL SCIENCE | IRVING ISD | IRVING HS

Sara Losey | How does the Presence of Magnetism Affect Regeneration in Planaria?

Dallas County Veterinary Medical Association - Senior Division, 1st Place

Senior | Life | ANIMAL SCIENCE | IRVING ISD | IRVING HS

Patrick Lu | Tumornators: Measuring the effect of tumor grade on Cerebral Blood Flow using a novel ASL Perfusion approach

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | PLANO ISD | JASPER HIGH SCHOOL

Elle Madawi | Don't Let Your Brand Burn You

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | PLANO ISD | BOWMAN MIDDLE SCHOOL

Grace Magavern | The Effect of Prescribed Burning on The Population of King Ranch Bluestem

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Grace Magavern | The Effect of Prescribed Burning on The Population of King Ranch Bluestem

North Texas Association of Environmental Professionals - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Grace Magavern | The Effect of Prescribed Burning on The Population of King Ranch Bluestem

North Texas Chapter of the Texas Master Naturalist (NTMN) - NTMN Senior Division

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Satvik Mahendra | KeySight: Mathematical Analysis to Optimize Computer Stereo Vision Systems

Beal Bank First Prize

Senior | Physical | Mathematics | PLANO ISD | JASPER HIGH SCHOOL

Satvik Mahendra | KeySight: Mathematical Analysis to Optimize Computer Stereo Vision Systems

MU Alpha Theta - Award for Mathematics

Senior | Physical | Mathematics | PLANO ISD | JASPER HIGH SCHOOL

Satvik Mahendra | KeySight: Mathematical Analysis to Optimize Computer Stereo Vision Systems

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | Mathematics | PLANO ISD | JASPER HIGH SCHOOL

Shriya Majumdar | How can a toothpaste be made less harmful and more effective in removing stains than most common toothpastes?

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | FRISCO | LAWLER MIDDLE SCHOOL

Diego Mallen | Detecting habitable exoplanets with a computer simulation

Beal Bank Honorable Mention

Senior | Physical | Physics & Astronomy | ALLEN | ALLEN HIGH SCHOOL

Diego Mallen | Detecting habitable exoplanets with a computer simulation

National Space Society of North Texas - Honorable Mention

Senior | Physical | Physics & Astronomy | ALLEN | ALLEN HIGH SCHOOL

Madison Malson | The Secret of Sunscreen

Beal Bank Fourth Prize

Junior | Life | Earth & Environmental Systems | PLANO ISD | OTTO MIDDLE SCHOOL

Rachel Mammen | Putting Pectin in its Place: The Effect of Extracted Pectin Placement on a Shallow-rooted Seed in a Sand Growth Medium in Relation to Soil Moisture Retention and Plant Growth

Beal Bank First Prize

Senior | Life | Plant Sciences | PLANO ISD | JASPER HIGH SCHOOL

Rachel Mammen | Putting Pectin in its Place: The Effect of Extracted Pectin Placement on a Shallow-rooted Seed in a Sand Growth Medium in Relation to Soil Moisture Retention and Plant Growth

Beal Bank Grand Prize Runner Up

Senior | Life | Plant Sciences | PLANO ISD | JASPER HIGH SCHOOL

Amitha Mandava | Nanoparticle-based Superhydrophobic Coatings to Preserve Marble Stone Structures

Beal Bank First Prize

Junior | Physical | Materials Science | PLANO ISD | OTTO MIDDLE SCHOOL

Amitha Mandava | Nanoparticle-based Superhydrophobic Coatings to Preserve Marble Stone Structures

Office of Naval Research - Naval Science Award, Junior Division

Junior | Physical | Materials Science | PLANO ISD | OTTO MIDDLE SCHOOL

Aashna Mangal | Investigating A Synergistic Effect Of Flavonoids And Statins As A Therapeutic Strategy In Blocking Leukemia Proliferation

Beal Bank First Prize

Senior | Life | Cellular & Molecular Biology | PLANO ISD | JASPER HIGH SCHOOL

Neel Manne | Tennis Ball Machine

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Lino Marrero | The Kinetic Kickz

Beal Bank First Prize

Junior | Physical | Energy: Physical | FRISCO | HUNT MIDDLE SCHOOL

Lino Marrero | The Kinetic Kickz

Office of Naval Research - Naval Science Award, Junior Division

Junior | Physical | Energy: Physical | FRISCO | HUNT MIDDLE SCHOOL

Noah Mathai | Microbially Induced Calcite Precipitation Phenotype of Bacillus subtilis 168 on the Reduction of Underground CO2 Efflux via Soil-consolidation

Beal Bank First Prize

Senior | Life | Biochemistry | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Noah Mathai | Microbially Induced Calcite Precipitation Phenotype of Bacillus subtilis 168 on the Reduction of Underground CO2 Efflux via Soil-consolidation

Beal Bank Grand Prize Runner Up

Senior | Life | Biochemistry | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Noah Mathai | Microbially Induced Calcite Precipitation Phenotype of Bacillus subtilis 168 on the Reduction of Underground CO2 Efflux via Soil-consolidation

Society for In Vitro Biology - Outstanding Achievement in In Vitro Biology, 11th Grade

Senior | Life | Biochemistry | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Noah Mathai | Microbially Induced Calcite Precipitation Phenotype of Bacillus subtilis 168 on the Reduction of Underground CO2 Efflux via Soil-consolidation

Southwestern Medical Foundation - Kathryn and Ashley H. Priddy Award

Senior | Life | Biochemistry | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Nitya Mattey | Color-Coding Memory

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Olivia McCoy | A Leaf of Faith: An Investigation of Crassulacean Acid Metabolism Conditions on Photorespiration Rates in Oryza sativa

Beal Bank Second Prize

Senior | Life | Plant Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Gwen Mckee | Why do we follow the crowd?

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | FRISCO | PEARSON MIDDLE SCHOOL

Rahi Mehta | Solar Powered Oxygen Generator

Beal Bank First Prize

Senior | Life | Environmental Engineering | PLANO ISD | MCMILLEN HIGH SCHOOL

Rahi Mehta | Solar Powered Oxygen Generator

Office of Naval Research - Naval Science Award, Senior Division

Senior | Life | Environmental Engineering | PLANO ISD | MCMILLEN HIGH SCHOOL

Rahi Mehta | Solar Powered Oxygen Generator

Ricoh Americans Corporation - Ricoh Sustainable Development Award

Senior | Life | Environmental Engineering | PLANO ISD | MCMILLEN HIGH SCHOOL

Rahi Mehta | Solar Powered Oxygen Generator

U.S. Agency for International Development (USAID) - Science Champion Award

Senior | Life | Environmental Engineering | PLANO ISD | MCMILLEN HIGH SCHOOL

Aaron Mendez | A better design for a cane

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | ARMSTRONG MIDDLE SCHOOL

Kevin Meng | VERiCLAIM: Fighting Fake News with Artificial Intelligence

Beal Bank First Prize

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Kevin Meng | VERiCLAIM: Fighting Fake News with Artificial Intelligence

U.S. Air Force - Certificate of Achievement

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Varun Menta | Carbon Fiber With a Twist: A Comparitive Analysis of the Various Effects of Varying Silicone Solutions on the Contraction Stroke of Carbon Fiber Artificial Muscles

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Nitya Mirle | Looking Through Tinted Glasses: An Investigative Study on the Relationship between Chronic Anxiety and Cognitive Dissonance

Beal Bank Honorable Mention

Senior | Life | Behavioral & Social Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Mihika Mishra | Power out of Thin Air

Beal Bank Second Prize

Junior | Physical | Energy: Physical | PLANO ISD | RICE MIDDLE SCHOOL

Simran Misra | The Effect of Vocal Variation on Societal Perception

Beal Bank Honorable Mention

Senior | Life | Behavioral & Social Sciences | PLANO ISD | SHEPTON HIGH SCHOOL

Nagavenkat Modugula | Ringing Up Radiation: A Study of Cell Phone Radioactivity

Beal Bank Honorable Mention

Junior | Physical | Materials Science | PLANO ISD | OTTO MIDDLE SCHOOL

Nagavenkat Modugula | Ringing Up Radiation: A Study of Cell Phone Radioactivity

State of Texas Chapter – Health Physics Society - STC-HPS Science Fair Excellence Award

Junior | Physical | Materials Science | PLANO ISD | OTTO MIDDLE SCHOOL

Pratyush Mohapatra | Deriving Nanocellulose Thin Film Structures Through Utilization of P. montana and Higher Invasive Plant Sources for Design Implementation in Eco-Friendly, Energy-Efficient Electrochemical Supercapacitors

Beal Bank Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Pratyush Mohapatra | Deriving Nanocellulose Thin Film Structures Through Utilization of P. montana and Higher Invasive Plant Sources for Design Implementation in Eco-Friendly, Energy-Efficient Electrochemical Supercapacitors

Terracon, Inc. - Engineering Excellence Award, Senior Div. 2nd Place Individual

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Ismael Morsy | Tackle the science

Beal Bank Honorable Mention

Junior | Physical | Materials Science | PAROCHIAL | BRIGHTER HORIZONS MS

Vaishnavi Moturi | Building an AI model to detect Chest Anomalies Given a Chest X-ray

Beal Bank Second Prize

Junior | Physical | Robotics & Intelligent Machines | FRISCO | FOWLER MIDDLE SCHOOL

Vaishnavi Moturi | Building an AI model to detect Chest Anomalies Given a Chest X-ray

State of Texas Chapter – Health Physics Society - STC-HPS Science Fair Excellence Award

Junior | Physical | Robotics & Intelligent Machines | FRISCO | FOWLER MIDDLE SCHOOL

Tanaz Muhamed | Investigating Whether the Decoy Effect can be Exploited to Nudge Cooperation in Social Dilemma Games

Beal Bank Second Prize

Senior | Life | Behavioral & Social Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Maryam Muhammad | Radiation, the wrong sensation

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PAROCHIAL | QALAM COLLEGIATE ACADEMY HS

Maryam Muhammad | Radiation, the wrong sensation

DiscoverSTEM - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PAROCHIAL | QALAM COLLEGIATE ACADEMY HS

Maryam Muhammad | Radiation, the wrong sensation

State of Texas Chapter – Health Physics Society - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PAROCHIAL | QALAM COLLEGIATE ACADEMY HS

Raifa Mukit | De-Icing Ice

Beal Bank Third Prize

Junior | Physical | CHEMISTRY | PLANO ISD | ARMSTRONG MIDDLE SCHOOL

Atharv Mungale | Home Foundation Humidity Monitoring

Beal Bank Third Prize

Junior | Physical | Embedded Systems | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Atharv Mungale | Home Foundation Humidity Monitoring

DiscoverSTEM - DiscoverSTEM Innovation Award, Junior

Junior | Physical | Embedded Systems | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Atharv Mungale | Home Foundation Humidity Monitoring

Texas Instruments - Best electronics or computing project, Junior Division

Junior | Physical | Embedded Systems | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Nivethaa Murali | Colloidal Synthesis of Green Nanoparticles: Theranostic In Vitro Approach To Hormone Therapy

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Richel-Seiko Murata | Bioinspired Redox-Active Cu Complexes with Tunable Intermolecular Hydrogen Bonding Interactions

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | Duncanville ISD | DUNCANVILLE HIGH SCHOOL

Vineeth Murugan | External Skin Condition Detector

Beal Bank Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | COPPELL ISD | COPPELL HIGH SCHOOL

Azeezah Mutabanna | How do binaural beats affect a subject's speed when solving a logic puzzle?

Acoustical Society of America - Honorable Mention

Junior | Life | Behavioral & Social Sciences | PLANO ISD | HAGGARD MIDDLE SCHOOL

Azeezah Mutabanna | How do binaural beats affect a subject's speed when solving a logic puzzle?

Beal Bank First Prize

Junior | Life | Behavioral & Social Sciences | PLANO ISD | HAGGARD MIDDLE SCHOOL

Azeezah Mutabanna | How do binaural beats affect a subject's speed when solving a logic puzzle?

Beal Bank Grand Prize

Junior | Life | Behavioral & Social Sciences | PLANO ISD | HAGGARD MIDDLE SCHOOL

Vaani Muthu | The Rule of Odds

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | PLANO ISD | MURPHY MIDDLE SCHOOL

Pranav Myana | A Novel Transmission Line Monitoring System

Beal Bank Honorable Mention

Senior | Physical | Environmental Engineering | FRISCO | CENTENNIAL HIGH SCHOOL

Satvika Nadella | Carcniogens in Rice? A Novel Method of Arsenic Reduction in Grains

Beal Bank First Prize

Junior | Life | Earth & Environmental Systems | ALLEN | ERECKSON MIDDLE SCHOOL

Sneha Nadella | The Combined and Individual Effects of Essential Oils on Serratia marcescens and Neisseria subflava

Beal Bank Honorable Mention

Senior | Life | Biochemistry | PLANO ISD | JASPER HIGH SCHOOL

Kamran Nag | Cancelling Out Tinnitus by Sound Wave Phase Shifting

Beal Bank Honorable Mention

Junior | Physical | Mathematics and Physics & Astronomy | PLANO ISD | OTTO MIDDLE SCHOOL

Achinthya Nagarajan | The use of Pestalotiopsis microspora and fungi of the genus Pleurotus In the degradation of polyurethane

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Bhavini Nair | The Redesign of a Hard Hat With Added Cooling Features

Beal Bank Honorable Mention

Junior | Physical | Materials Science | PLANO ISD | FRANKFORD MIDDLE SCHOOL

Shreya Nair | FOGA - Freezing of gait assistance device

Beal Bank Honorable Mention

Senior | Life | Biomedical Engineering | ALLEN | LOWERY FRESHMEN CENTER

Vansh Nanda | Investigation of Microplastics in Water

U.S. Environmental Protection Agency 6th chapter - Exemplary Achievement in Environmental Protection

Senior | Life | Environmental Engineering | COPPELL ISD | COPPELL HIGH SCHOOL

Dhruv Nanda | Solution to Sand Erosion

Terracon, Inc. - Environmental Excellence Award, Senior Div. 2nd Place Individual

Senior | Life | Environmental Engineering | DALLAS | SCHOOL FOR THE GIFTED AND TALENTED AT YVONNE A EWELL TOWNVIEW CENTER

Deepti Nandakumar | Glacial Solar Farm

Beal Bank Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Harini Narayanan | Pet Town

Beal Bank Honorable Mention

Junior | Physical | Systems Software | FRISCO | PEARSON MIDDLE SCHOOL

Pranav Nathan | Developing a Self-Contained Modular Reconfigurable Robotic System with an Inertial Actuator and Magnetic Interlocking System

Beal Bank First Prize

Senior | Physical | Engineering Mechanics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Pranav Nathan | Developing a Self-Contained Modular Reconfigurable Robotic System with an Inertial Actuator and Magnetic Interlocking System

National Space Society of North Texas - Space Exploration Scholarship 1st Place

Senior | Physical | Engineering Mechanics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Pranav Nathan | Developing a Self-Contained Modular Reconfigurable Robotic System with an Inertial Actuator and Magnetic Interlocking System

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | Engineering Mechanics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Bernadette Nava | The Effect of Human Activity on the Ocean's Water Quality

National Oceanic and Atmospheric Administration - Taking the Pulse of the Planet Award

Senior | Life | Earth & Environmental Systems | ALLEN | ALLEN HIGH SCHOOL

Adithi Nemalikanti | Natural electricity

Beal Bank Second Prize

Junior | Physical | Energy: Chemical | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Jack Nero | Distance Variation on Acid Rain

American Meteorology Society - Outstanding Achievement in Atmospheric Science, Senior Division

Senior | Life | Earth & Environmental Systems | PLANO ISD | CLARK HIGH SCHOOL

Benson Ngai | Deriving Nanocellulose Thin Film Structures Through Utilization of P. montana and Higher Invasive Plant Sources for Design Implementation in Eco-Friendly, Energy-Efficient Electrochemical Supercapacitors

Beal Bank Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Benson Ngai | Deriving Nanocellulose Thin Film Structures Through Utilization of P. montana and Higher Invasive Plant Sources for Design Implementation in Eco-Friendly, Energy-Efficient Electrochemical Supercapacitors

Terracon, Inc. - Engineering Excellence Award, Senior Div. 2nd Place Individual

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Case Nichols | Fishing

Beal Bank Honorable Mention

Junior | Life | ANIMAL SCIENCE | Sam Rayburn ISD | RAYBURN MIDDLE SCHOOL

Case Nichols | Fishing

Dallas County Veterinary Medical Association - Honorable Mention

Junior | Life | ANIMAL SCIENCE | Sam Rayburn ISD | RAYBURN MIDDLE SCHOOL

Aanya Niranjan | HORNET POTENTIAL

Beal Bank Honorable Mention

Junior | Physical | Energy: Physical | PLANO ISD | RENNER MIDDLE SCHOOL

Timothy Njuguna | The Use of Insulative Material to slow the movement of thermal energy

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PLANO ISD | SHEPTON HIGH SCHOOL

Avery Owens | Music Under the Microscope

Beal Bank Second Prize

Senior | Life | Cellular & Molecular Biology | COPPELL ISD | COPPELL HIGH SCHOOL

Sahra Padda | Can Different Substaces Reduce Biofilm Growth on Hydroelectric Dam Components?

Beal Bank Third Prize

Junior | Life | Microbiology | FRISCO | LAWLER MIDDLE SCHOOL

Aditya Panda | A Deep-learning Approach to Predict the Presence and Habitability of Exoplanets from the Kepler Space Telescope

Beal Bank Third Prize

Senior | Physical | Physics & Astronomy | PLANO ISD | JASPER HIGH SCHOOL

Aditya Panda | A Deep-learning Approach to Predict the Presence and Habitability of Exoplanets from the Kepler Space Telescope

National Space Society of North Texas - Space Exploration Scholarship 2nd Place

Senior | Physical | Physics & Astronomy | PLANO ISD | JASPER HIGH SCHOOL

Aditya Panda | A Deep-learning Approach to Predict the Presence and Habitability of Exoplanets from the Kepler Space Telescope

The Mars Society -DFW Chapter - Honorable Mention

Senior | Physical | Physics & Astronomy | PLANO ISD | JASPER HIGH SCHOOL

Jayanth Pandit | Child-Alert System: A wearable device

Directed Energy Professional Society - Honorable Mention

Senior | Physical | Embedded Systems | FRISCO | FRISCO HS

Manas Parashar | Automated School Car Pick Up Announcement System

Beal Bank Third Prize

Junior | Physical | Systems Software | PLANO ISD | RICE MIDDLE SCHOOL

Varshaan Parthibannandhini | Development of an Accelerometer- Based Medical Device for Posture Management

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | FRISCO | LEBANON TRAIL HIGH SCHOOL

Varshaan Parthibannandhini | Development of an Accelerometer- Based Medical Device for Posture Management

The Cooper Institute - Exercise/Health/Nutrition, Senior, 3rd Place

Senior | Life | Biomedical & Health Sciences | FRISCO | LEBANON TRAIL HIGH SCHOOL

Aarav Patel | Sun Protection : The Effect of Clothing Materials on UV Intensity

Beal Bank Second Prize

Junior | Life | Biomedical & Health Sciences | DALLAS | JL LONG MIDDLE SCHOOL

Aarav Patel | Sun Protection : The Effect of Clothing Materials on UV Intensity

State of Texas Chapter – Health Physics Society - Honorable Mention

Junior | Life | Biomedical & Health Sciences | DALLAS | JL LONG MIDDLE SCHOOL

Ryan Patel | Robo-Arm

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | PEARSON MIDDLE SCHOOL

Harsh Patel | A Nonintrusive Device for Tremors

Beal Bank Honorable Mention

Senior | Life | Biomedical Engineering | PLANO ISD | MCMILLEN HIGH SCHOOL

Zeal Pathak | Virtual Physical Security: An Investigation in the Implementation and Design of an Algorithm incorporating a multichannel-two way based authentication protocol, with two factor authentication and an x.509 certificate

Beal Bank Third Prize

Senior | Physical | Systems Software | COPPELL ISD | COPPELL HIGH SCHOOL

Nickhil Pattikonda | Turning Troubles

Beal Bank Second Prize

Junior | Physical | Systems Software | PLANO ISD | RENNER MIDDLE SCHOOL

Arnab Paul | Utilizing Direct Currents in order to eliminate bacterial biofilms formed on medical implants

Beal Bank Honorable Mention

Senior | Life | Translation Medical Science | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Siri Peddinti | ParkinsonsPredict: An Intelligent Application for the Diagnosis and Monitoring of Parkinson's Disease

Beal Bank Honorable Mention

Junior | Physical | Systems Software | PLANO ISD | OTTO MIDDLE SCHOOL

Sidhya Peddinti | Parkinsense: A Neurofeedback Treatment and Diagnosis Application for Parkinsonâ€™s Disease Utilizing Electroencephalography and Neural Networks

Beal Bank Third Prize

Senior | Life | Translation Medical Science | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Aviv Peleg | Making Hiking Safer: The RescueTether

The Cooper Institute - Exercise/Health/Nutrition, Senior, 1st Place

Senior | Physical | Engineering Mechanics | PLANO ISD | THE ACADEMY HIGH SCHOOL

Julian Peng | An Investigation In Sports Helmets

Beal Bank Honorable Mention

Senior | Physical | Physics & Astronomy | COPPELL ISD | COPPELL HIGH SCHOOL

Julian Peng | An Investigation In Sports Helmets

The Cooper Institute - Exercise/Health/Nutrition, Senior, 2nd Place

Senior | Physical | Physics & Astronomy | COPPELL ISD | COPPELL HIGH SCHOOL

Sophia Perez | Sphere Solution to Pollution: Using the Processes of Molecular Gastronomy and Spherification to Create an Alternative to Polyethylene Terephthalate

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | RICE MIDDLE SCHOOL

Nick Perkins | Pollution to Solution

Beal Bank Honorable Mention

Junior | Life | Earth & Environmental Systems | FRISCO | PEARSON MIDDLE SCHOOL

Shalini Petticia Petrus | The Earth-Friendly Battery: Exchanging Electrons in Renewable Materials Through Reduction and Oxidation

Beal Bank First Prize

Junior | Physical | Energy: Chemical | PLANO ISD | HENDRICK MIDDLE SCHOOL

Shalini Petticia Petrus | The Earth-Friendly Battery: Exchanging Electrons in Renewable Materials Through Reduction and Oxidation

Beal Bank Grand Prize

Junior | Physical | Energy: Chemical | PLANO ISD | HENDRICK MIDDLE SCHOOL

Ruben Picon | How does soybean oil affects plant's growth?

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | IRVING ISD | IRVING HS

Shriya Polavarapu | Insulating Material vs. Change in Temperature of a 12 ounce Coca-Cola Can

Beal Bank Second Prize

Junior | Physical | Materials Science | PLANO ISD | ROBINSON MIDDLE SCHOOL

Govardhan Poondi | Addressing the Cocktail Party Problem through a Neurological Auditory Attention Decoding Framework

Acoustical Society of America - Outstanding Senior Acoustic Project

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Govardhan Poondi | Addressing the Cocktail Party Problem through a Neurological Auditory Attention Decoding Framework

Beal Bank First Prize

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Govardhan Poondi | Addressing the Cocktail Party Problem through a Neurological Auditory Attention Decoding Framework

Beal Bank Grand Prize

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Vyshnavi Poruri | Using Protease-activated receptors (PARs) in C. elegans as a potential therapeutic agent for inflammatory diseases

Beal Bank First Prize

Senior | Life | ANIMAL SCIENCE | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Vyshnavi Poruri | Using Protease-activated receptors (PARs) in C. elegans as a potential therapeutic agent for inflammatory diseases

Beal Bank Grand Prize Runner Up

Senior | Life | ANIMAL SCIENCE | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Venu Poruri | The Implementation of Functionalized Gold Nanoparticle Drug Complexes to Combat Invasive Breast-to-Brain Metastases

Beal Bank Third Prize

Senior | Life | Cellular & Molecular Biology | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Shreenaya Prabu | Plastics of the Future

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | CHARTER | UPLIFT NORTH HILLS HS

Jana Pulak | Whole House Water Flow Automation Using Arduino

DiscoverSTEM - Honorable Mention

Junior | Life | Environmental Engineering | RICHARDSON | WESTWOOD JUNIOR HIGH

Avi Puranik | Which Propeller Design has the Greatest Efficiency?

Beal Bank Honorable Mention

Senior | Physical | Engineering Mechanics | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Andy Qin | Detecting Signature Fraud using Neural Networks

Beal Bank Honorable Mention

Junior | Physical | Robotics & Intelligent Machines | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Derek Qin | Analysis of Stress Development Under Ion Bombardment: Mechanisms for Silicon Nanopatterning

Beal Bank First Prize

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Derek Qin | Analysis of Stress Development Under Ion Bombardment: Mechanisms for Silicon Nanopatterning

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Derek Qin | Analysis of Stress Development Under Ion Bombardment: Mechanisms for Silicon Nanopatterning

U.S. Air Force - Certificate of Achievement

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Imran Rabi | Vanishing Vandalism

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PAROCHIAL | ISLAMIC SCHOOL OF IRVING HS

Arjun Raghuram | Developing an Algorithm to Identify the Root Cause of Medical Conditions

Beal Bank Honorable Mention

Senior | Life | Translation Medical Science | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Luqman Rahman | Vanishing Vandalism

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PAROCHIAL | ISLAMIC SCHOOL OF IRVING HS

Aditya Rai | LungStat: Improving Early-Stage Lung Cancer Diagnostic Accuracy through an Integrative Deep Learning Algorithm and an Analysis of NSCLC Biomarkers

Beal Bank Second Prize

Senior | Life | Translation Medical Science | PLANO ISD | JASPER HIGH SCHOOL

Carmen Rai | A-Eye: Artificial â€œEyesâ€ For The Visually Impaired Through An Integrated System Incorporating Voice Recognition Software and Obstacle Detection

Texas Instruments - Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Vibhor Rajan | Plants vs. Magnets

Beal Bank Honorable Mention

Junior | Life | Plant Sciences | PLANO ISD | HENDRICK MIDDLE SCHOOL

Roshan Rajan | Smart Spoon

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | PEARSON MIDDLE SCHOOL

Roshan Rajan | Smart Spoon

DiscoverSTEM - Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | PEARSON MIDDLE SCHOOL

Rohit Rajan | A Novel Approach to Learning Robot Dexterity: Utilizing Embedded Linear-Quadratic Markov Decision Process by Projecting onto a New State Action-Space

Beal Bank Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | FRISCO | REEDY HIGH SCHOOL

Rohit Rajan | A Novel Approach to Learning Robot Dexterity: Utilizing Embedded Linear-Quadratic Markov Decision Process by Projecting onto a New State Action-Space

Collins Leadership Association - Outstanding Communications Project Senior Div. 1st Place

Senior | Physical | Robotics & Intelligent Machines | FRISCO | REEDY HIGH SCHOOL

Aryan Raju | Is Your Face Really Clean?

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | PLANO ISD | RENNER MIDDLE SCHOOL

Adithi Rallapalli | The Effect of the Minimum Inhibitory Concentration of Essential Oils on Gram-positive and Gram-negative Bacteria compared to Antibiotics

Beal Bank Honorable Mention

Senior | Life | Microbiology | PLANO ISD | SHEPTON HIGH SCHOOL

Mukund Ramachandran | A Machine Learning and Mathematical Approach to Increase the Electricity Generated by a Solar Panel Using a Dual-Axis Solar Tracker

Beal Bank Third Prize

Senior | Life | Environmental Engineering | PLANO ISD | JASPER HIGH SCHOOL

Nandini Ramachandran | A Machine Learning and Mathematical Approach to Increase the Electricity Generated by a Solar Panel Using a Dual-Axis Solar Tracker

Beal Bank Third Prize

Senior | Life | Environmental Engineering | PLANO ISD | JASPER HIGH SCHOOL

Mukund Ramachandran | A Machine Learning and Mathematical Approach to Increase the Electricity Generated by a Solar Panel Using a Dual-Axis Solar Tracker

DiscoverSTEM - DiscoverSTEM Innovation Award, Senior

Senior | Life | Environmental Engineering | PLANO ISD | JASPER HIGH SCHOOL

Nandini Ramachandran | A Machine Learning and Mathematical Approach to Increase the Electricity Generated by a Solar Panel Using a Dual-Axis Solar Tracker

DiscoverSTEM - DiscoverSTEM Innovation Award, Senior

Senior | Life | Environmental Engineering | PLANO ISD | JASPER HIGH SCHOOL

Devika Ramakrishna | Water on Trial

WEAT / TAWWA - Junior Division, 2nd Place

Junior | Physical | CHEMISTRY | PLANO ISD | RENNER MIDDLE SCHOOL

Shakti Ramakrishna | Shigella: Oregano vs. Antibiotics -- The Effect of Different Dilutions of Origanum vulgare on Shigella Bacteria in Comparison to the Antibiotic Gentamycin

Beal Bank Third Prize

Senior | Life | Microbiology | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Navya Ramakrishnan | A Smart Device for the Prediction of Epileptic Seizures Using Machine Learning Algorithms

Beal Bank First Prize

Senior | Physical | Systems Software | PLANO ISD | JASPER HIGH SCHOOL

Vybhavi Raman | Do You Hear Voices? (Testing the McGurk Effect)

Acoustical Society of America - Honorable Mention

Junior | Life | Behavioral & Social Sciences | PLANO ISD | MURPHY MIDDLE SCHOOL

Vybhavi Raman | Do You Hear Voices? (Testing the McGurk Effect)

Beal Bank Second Prize

Junior | Life | Behavioral & Social Sciences | PLANO ISD | MURPHY MIDDLE SCHOOL

Meena Ramaswamy | The Rule of Odds

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | PLANO ISD | MURPHY MIDDLE SCHOOL

Raghav Ramki | BackTrack: A Neural Network Based Algorithm for Reconstructing Cell Lineage Trees based off of CRISPR-Cas9 Edits in Non-Coding parts of the Genome

Beal Bank Honorable Mention

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | JASPER HIGH SCHOOL

Shivani Ramkumar | A-Eye: Artificial â€œEyesâ€ For The Visually Impaired Through An Integrated System Incorporating Voice Recognition Software and Obstacle Detection

Texas Instruments - Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sara Ramos | A Circuit, Produce, and Paper

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | CHARTER | HARMONY SCHOOL OF INNOVATION, DALLAS MS

Varun Rao | Stopping Distracted Drivers

The Cooper Institute - Exercise/Health/Nutrition, Junior, 3rd Place

Junior | Physical | Engineering Mechanics | PLANO ISD | MURPHY MIDDLE SCHOOL

Rishmita Rao | The Use of a Neural Network for Skin Cancer Diagnosis

Beal Bank Honorable Mention

Senior | Physical | Systems Software | PLANO ISD | THE ACADEMY HIGH SCHOOL

Sharaf Rashid | Detecting habitable exoplanets with a computer simulation

Beal Bank Honorable Mention

Senior | Physical | Physics & Astronomy | ALLEN | ALLEN HIGH SCHOOL

Sharaf Rashid | Detecting habitable exoplanets with a computer simulation

National Space Society of North Texas - Honorable Mention

Senior | Physical | Physics & Astronomy | ALLEN | ALLEN HIGH SCHOOL

Saachit Rathi | Ringing Up Radiation: A Study of Cell Phone Radioactivity

Beal Bank Honorable Mention

Junior | Physical | Materials Science | PLANO ISD | OTTO MIDDLE SCHOOL

Saachit Rathi | Ringing Up Radiation: A Study of Cell Phone Radioactivity

State of Texas Chapter – Health Physics Society - STC-HPS Science Fair Excellence Award

Junior | Physical | Materials Science | PLANO ISD | OTTO MIDDLE SCHOOL

Rithwik Ravi Kumar | Radio Wave Amplifier

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | VANDEVENTER MIDDLE SCHOOL

Rithwik Ravi Kumar | Radio Wave Amplifier

Collins Leadership Association - Outstanding Communications Project Junior Div. 3rd Place

Junior | Physical | Engineering Mechanics | FRISCO | VANDEVENTER MIDDLE SCHOOL

Drake Reasoner | Marine Oil Spill Clean-up using Agricultural Waste

Beal Bank Second Prize

Junior | Life | Environmental Engineering | PLANO ISD | FRANKFORD MIDDLE SCHOOL

Drake Reasoner | Marine Oil Spill Clean-up using Agricultural Waste

U.S. Environmental Protection Agency 6th chapter - Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | FRANKFORD MIDDLE SCHOOL

Ritu Reddy | Speed Up Plant Growth

Beal Bank Honorable Mention

Junior | Life | Plant Sciences | FRISCO | STAFFORD MIDDLE SCHOOL

Justin Rho | An Efficient and Affordable Solution to Reduce Post-Stroke Paralysis Recovery Time

Beal Bank Honorable Mention

Senior | Life | Biomedical Engineering | PLANO ISD | SHEPTON HIGH SCHOOL

John Rho | Addressing the Cocktail Party Problem through a Neurological Auditory Attention Decoding Framework

Acoustical Society of America - Outstanding Senior Acoustic Project

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

John Rho | Addressing the Cocktail Party Problem through a Neurological Auditory Attention Decoding Framework

Beal Bank First Prize

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

John Rho | Addressing the Cocktail Party Problem through a Neurological Auditory Attention Decoding Framework

Beal Bank Grand Prize

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Madalena Ritz-Meuret | An Economical Method for Detecting Microplastics in Soil Samples

Beal Bank Third Prize

Junior | Life | Biochemistry and Biomedical Engineering | PRIVATE | DALLAS INTERNATIONAL MS

Madalena Ritz-Meuret | An Economical Method for Detecting Microplastics in Soil Samples

DiscoverSTEM - Honorable Mention

Junior | Life | Biochemistry and Biomedical Engineering | PRIVATE | DALLAS INTERNATIONAL MS

Isabelle Rose | The Effect of Heavy Metals on Aquatic Environments

Beal Bank Honorable Mention

Junior | Life | Earth & Environmental Systems | Home School Co-op | KING'S HARVEST HOMESCHOOL COOP, MS

Kate Russ | The Face of Authority

Beal Bank Third Prize

Senior | Life | Behavioral & Social Sciences | PLANO ISD | MCMILLEN HIGH SCHOOL

Saketh Sadhanala | Smart Spoon

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | PEARSON MIDDLE SCHOOL

Saketh Sadhanala | Smart Spoon

DiscoverSTEM - Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | PEARSON MIDDLE SCHOOL

Krishna Sahay | The Effects of 4G connectivity on Daphnia Magna heart rate in comparison to 5G connectivity

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | FRISCO | LAWLER MIDDLE SCHOOL

Lola Salas | Tapping into Water

WEAT / TAWWA - Junior Division, 3rd Place

Junior | Life | Environmental Engineering | DALLAS | IRMA RANGEL YOUNG WOMEN'S LEADERSHIP SCHOOL - MIDDLE SCHOOL

Abyaan Samad | how does a raspberry pie compare to modern computers

Beal Bank Honorable Mention

Junior | Physical | Systems Software | PAROCHIAL | ISLAMIC SCHOOL OF IRVING MS

Grant Sammon | A better design for a cane

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | ARMSTRONG MIDDLE SCHOOL

Baani Sandhu | Plastics of the Future

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | CHARTER | UPLIFT NORTH HILLS HS

Akshara Sankar | The Use of Curcumin as a Regulator of Stress hormones (cortisol) associated with jet-lag and travel fatigue

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Lucas Sasaya | Sourcing Power From Microwave Frequencies

McKinney Amateur Radio Club, Inc - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | MCMILLEN HIGH SCHOOL

Tulio Sasaya | Sourcing Power From Microwave Frequencies

McKinney Amateur Radio Club, Inc - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | MCMILLEN HIGH SCHOOL

Aditya Satrasala | The Tech we never think about

Beal Bank Third Prize

Junior | Physical | Energy: Chemical | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Anushri Saxena | The Effect of Substances' pH on Probiotic Bacterial Growth

Beal Bank Honorable Mention

Senior | Life | Microbiology | COPPELL ISD | COPPELL HIGH SCHOOL

Sofia Serrano | Solar Desalination

U.S. Environmental Protection Agency 6th chapter - Honorable Mention

Junior | Life | Earth & Environmental Systems | PRIVATE | DALLAS INTERNATIONAL MS

Arjun Sethumathavan | Utilizing Direct Currents in order to eliminate bacterial biofilms formed on medical implants

Beal Bank Honorable Mention

Senior | Life | Translation Medical Science | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Thomas Sfikas | Overclocking to the extreme

Beal Bank Honorable Mention

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | CHARTER | UPLIFT NORTH HILLS MS

Krishna Shah | Direct Carbon Capture

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | ALLEN | FORD MIDDLE SCHOOL

Sonya Shah | Know-gurt: Effects of Yogurt on Gastrointestinal Bacteria

Beal Bank Second Prize

Junior | Life | Microbiology | PLANO ISD | RENNER MIDDLE SCHOOL

Pujan Shah | Radio Wave Amplifier

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | VANDEVENTER MIDDLE SCHOOL

Pujan Shah | Radio Wave Amplifier

Collins Leadership Association - Outstanding Communications Project Junior Div. 3rd Place

Junior | Physical | Engineering Mechanics | FRISCO | VANDEVENTER MIDDLE SCHOOL

Alay Shah | Low-Cost Eye Tracking Biomarker for Psychological Evaluation of Neuropsychiatric Attention Disorders

Beal Bank First Prize

Senior | Life | Translation Medical Science | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Alay Shah | Low-Cost Eye Tracking Biomarker for Psychological Evaluation of Neuropsychiatric Attention Disorders

Beal Bank Grand Prize Runner Up

Senior | Life | Translation Medical Science | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Aniq Shaikh | Magnetic Electricity

Beal Bank Honorable Mention

Junior | Physical | Energy: Physical | PAROCHIAL | ISLAMIC SCHOOL OF IRVING MS

Sarim Shaikh | Split It To See It

Beal Bank Honorable Mention

Junior | Physical | Mathematics and Physics & Astronomy | CHARTER | UPLIFT NORTH HILLS MS

Sarim Shaikh | Split It To See It

Directed Energy Professional Society - Junior 1st Place

Junior | Physical | Mathematics and Physics & Astronomy | CHARTER | UPLIFT NORTH HILLS MS

Diya Shanthi | A simple way to detect microplastics in commonly available drinking water.

Beal Bank Fourth Prize

Junior | Life | Environmental Engineering | COPPELL | COPPELL MIDDLE EAST

Faaiz Shaphy | Eco-crete: An Environmental Friendly Concrete

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | PAROCHIAL | ISLAMIC SCHOOL OF IRVING HS

Ayan Sharma | Acceleration Polythene Degradation by Microorganisms

Beal Bank Honorable Mention

Junior | Life | Biochemistry and Biomedical Engineering | PLANO ISD | RICE MIDDLE SCHOOL

Nayonika Sharma | Plastic Crayons

Beal Bank Honorable Mention

Junior | Physical | Materials Science | FRISCO | PEARSON MIDDLE SCHOOL

Anushka Sharma | Voice Controlled Robot

Beal Bank Third Prize

Junior | Physical | Robotics & Intelligent Machines | FRISCO | LAWLER MIDDLE SCHOOL

Mary Sherey | Runoff Water Filter

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Mary Sherey | Runoff Water Filter

U.S. Environmental Protection Agency 6th chapter - Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Mary Sherey | Runoff Water Filter

WEAT / TAWWA - Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Roni Shir | Converse Piezoelectric

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | PLANO ISD | ROBINSON MIDDLE SCHOOL

Shreyas Shridharan | Mobile device accurately identifies trace toxins using an Artificial Sequential Recurrent Neural Network

Beal Bank First Prize

Senior | Physical | CHEMISTRY | PLANO ISD | JASPER HIGH SCHOOL

Shreyas Shridharan | Mobile device accurately identifies trace toxins using an Artificial Sequential Recurrent Neural Network

DFW Chapter of Hazardous Materials Managers - 1st Place Senior Division Best Hazardous Materials Project

Senior | Physical | CHEMISTRY | PLANO ISD | JASPER HIGH SCHOOL

Shreyas Shridharan | Mobile device accurately identifies trace toxins using an Artificial Sequential Recurrent Neural Network

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | CHEMISTRY | PLANO ISD | JASPER HIGH SCHOOL

Neha Shyamsunder | Analyzing the Heat Absorption in Various Flooring Materials

Beal Bank Honorable Mention

Junior | Life | Earth & Environmental Systems | FRISCO | FOWLER MIDDLE SCHOOL

Nawal Siddiqui | What is the Best Defense Against Rising Water Levels?

Beal Bank Honorable Mention

Junior | Life | Earth & Environmental Systems | PLANO ISD | RENNER MIDDLE SCHOOL

Chad Sievert | Transmitter Tracking

Beal Bank Honorable Mention

Senior | Physical | Mathematics | PLANO ISD | WILLIAMS HIGH SCHOOL

Sayuri Sigdel | Why do we follow the crowd?

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | FRISCO | PEARSON MIDDLE SCHOOL

Ankur Sikder | The Percussionscope

Acoustical Society of America - Honorable Mention

Senior | Life | Biomedical Engineering | COPPELL ISD | COPPELL HIGH SCHOOL

Nabil Sikora | Overrated? Modeling Behavioral Bias in Online User Ratings

Beal Bank Honorable Mention

Senior | Life | Behavioral & Social Sciences | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Micaela Silva | Which Burns the Longest

Beal Bank Honorable Mention

Junior | Life | Plant Sciences | PLANO ISD | BOWMAN MIDDLE SCHOOL

Hana Sim | How can therapists and medical professionals use artificial intelligence agents to increase efficiency in the workplace?

Beal Bank Honorable Mention

Junior | Physical | Robotics & Intelligent Machines | FRISCO | PEARSON MIDDLE SCHOOL

Siddhant Singh | Developing an Artificial Pancreas

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | FRISCO | TRENT MIDDLE SCHOOL

Hardik Singh | An efficient mathematical model for the detection of various diseases and cancers

Beal Bank Honorable Mention

Senior | Physical | Mathematics | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Umangi Singh | Formulating a Data Driven Mathematical Algorithm to Reduce Insulin Dependency for Type-2 Diabetic Patients

Beal Bank Second Prize

Senior | Physical | Mathematics | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Prisha Singh | To Boldly Locate What No Man Has Located Before

Beal Bank Second Prize

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Prisha Singh | To Boldly Locate What No Man Has Located Before

National Space Society of North Texas - Honorable Mention

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Prisha Singh | To Boldly Locate What No Man Has Located Before

U.S. Air Force - Certificate of Achievement

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Anika Sinha | Do You Hear What I Hear?

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | COPPELL ISD | COPPELL HIGH SCHOOL

Abby-Claire Smith | How do RF waves from an electronic device affect a humans memory?

American Industrial Hygiene Association- North Texas Section - Junior Division, 1st Place

Junior | Life | Biomedical & Health Sciences | PLANO ISD | WILSON MIDDLE SCHOOL

Abby-Claire Smith | How do RF waves from an electronic device affect a humans memory?

McKinney Amateur Radio Club, Inc - Honorable Mention

Junior | Life | Biomedical & Health Sciences | PLANO ISD | WILSON MIDDLE SCHOOL

Evan Smith | Blame It On The Rain

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Junior | Life | Earth & Environmental Systems | DALLAS | BARACK OBAMA MALE LEADERSHIP ACADEMY MIDDLE AT A. MACEO SMITH

Connor Smith | Knocking the Dye out of Water

Beal Bank Honorable Mention

Junior | Life | Earth & Environmental Systems | FRISCO | PEARSON MIDDLE SCHOOL

Chloe Smith | What activity increases a pigs heart rate.

Dallas County Veterinary Medical Association - Senior Division, 2nd Place

Senior | Life | ANIMAL SCIENCE | Sam Rayburn ISD | RAYBURN HIGH SCHOOL

Kaustubh Sonawane | LungStat: Improving Early-Stage Lung Cancer Diagnostic Accuracy through an Integrative Deep Learning Algorithm and an Analysis of NSCLC Biomarkers

Beal Bank Second Prize

Senior | Life | Translation Medical Science | PLANO ISD | JASPER HIGH SCHOOL

Nishi Soni | Pesticides - Worldwide Acute and Chronic Epidemic Illnesses

Beal Bank Honorable Mention

Junior | Life | Cellular & Molecular Biology and Computational Biology & Bioinformatics | FRISCO | LAWLER MIDDLE SCHOOL

Andrei Spiride | Limb Movement Rehabilitation Using Orthoses Controlled by Surface Electroencephalography

Beal Bank Second Prize

Senior | Life | Biomedical Engineering | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Anushka Sridhar | SPARKS: Mitigating the Hand Tremors of Parkinsons Patients

Beal Bank First Prize

Junior | Life | Biochemistry and Biomedical Engineering | PLANO ISD | OTTO MIDDLE SCHOOL

Anushka Sridhar | SPARKS: Mitigating the Hand Tremors of Parkinsons Patients

DiscoverSTEM - Fahim STEM Excellence Award, Junior

Junior | Life | Biochemistry and Biomedical Engineering | PLANO ISD | OTTO MIDDLE SCHOOL

Ananya Sridhar | 4D- Distracted Driver Detection Device

Beal Bank Second Prize

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Nikita Srinivas | Color-Coding Memory

Beal Bank Honorable Mention

Junior | Life | Behavioral & Social Sciences | FRISCO | PIONEER HERITAGE MIDDLE SCHOOL

Dhruv Srivastava | To Boldly Locate What No Man Has Located Before

Beal Bank Second Prize

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Dhruv Srivastava | To Boldly Locate What No Man Has Located Before

National Space Society of North Texas - Honorable Mention

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Dhruv Srivastava | To Boldly Locate What No Man Has Located Before

U.S. Air Force - Certificate of Achievement

Senior | Physical | Physics & Astronomy | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Walter Stark | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Beal Bank First Prize

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Walter Stark | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Beal Bank Grand Prize Runner Up

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Walter Stark | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Collins Leadership Association - Outstanding Communications Project Senior Div. 3rd Place

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Walter Stark | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Directed Energy Professional Society - Senior 2nd Place

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Walter Stark | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

National Space Society of North Texas - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Walter Stark | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

Office of Naval Research - Naval Science Award, Senior Division

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Walter Stark | UltraSolar: Increasing Photovoltaic Efficiency Via a Novel Low-Cost Add-on of Fluorescent and Phosphorescent Solutions

The Mars Society -DFW Chapter - Honorable Mention

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO SENIOR HIGH SCHOOL

Kevin Su | From Plastic to Productivity Biodegradable Plastics

Beal Bank Honorable Mention

Junior | Physical | Materials Science | FRISCO | MAUS MIDDLE SCHOOL

Krithika Subramanian | The Novel Production of Magnetite Nanocrystals

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | PLANO ISD | CLARK HIGH SCHOOL**Kevin Sun** | Elucidate the Engineering Solution by Using Zinc Oxide Nanofertilizer on Simultaneous Reduction of the Accumulation of Arsenic and Cadmium in Rice

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Kevin Sun | Elucidate the Engineering Solution by Using Zinc Oxide Nanofertilizer on Simultaneous Reduction of the Accumulation of Arsenic and Cadmium in Rice

North Texas Association of Environmental Professionals - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Kevin Sun | Elucidate the Engineering Solution by Using Zinc Oxide Nanofertilizer on Simultaneous Reduction of the Accumulation of Arsenic and Cadmium in Rice

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | JASPER HIGH SCHOOL

Devika Sunil | Scope of Molecular Screening Integrated with Machine Learning in Drug Design for Nipah Virus (NiV) via Explicating Interaction Sites of NiV-G Proteins and Ephrin B2 and B3

Beal Bank Second Prize

Senior | Life | Computational Biology & Bioinformatics | PLANO ISD | JASPER HIGH SCHOOL

Rajiv Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Beal Bank First Prize

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rekha Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Beal Bank First Prize

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rajiv Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Beal Bank Grand Prize

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rekha Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Beal Bank Grand Prize

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rajiv Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Collins Leadership Association - Outstanding Communications Project Senior Div. 2nd Place

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rekha Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Collins Leadership Association - Outstanding Communications Project Senior Div. 2nd Place

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rajiv Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Directed Energy Professional Society - Senior 3rd Place

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rekha Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Directed Energy Professional Society - Senior 3rd Place

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rajiv Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Terracon, Inc. - Engineering Excellence Award, Senior Div. 1st Place Individual

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rekha Swamy | See Through the Rubble: A Multimodal Bioradar Life Detection System for Search and Rescue Applications

Terracon, Inc. - Engineering Excellence Award, Senior Div. 1st Place Individual

Senior | Physical | Embedded Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Kate Tadeja | Damage Control

Beal Bank Honorable Mention

Junior | Physical | Materials Science | PLANO ISD | ARMSTRONG MIDDLE SCHOOL

Bhavik Tadigotla | Nature's Power: Utilizing Phenolic Compounds to Synthesize a Natural Supplement to Prevent Bacterial Growth in Neisseria subflava

Beal Bank Honorable Mention

Senior | Life | Microbiology | PLANO ISD | JASPER HIGH SCHOOL

Vedant Tapiavala | Solution to Sand Erosion

Terracon, Inc. - Environmental Excellence Award, Senior Div. 2nd Place Individual

Senior | Life | Environmental Engineering | DALLAS | SCHOOL FOR THE GIFTED AND TALENTED AT YVONNE A EWELL TOWNVIEW CENTER

Kunj Tapiawala | TiO2 and Fruit Powered Dye-Sensitized Organic Photovoltaic Gratzel Solar Cell

Beal Bank Second Prize

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Kunj Tapiawala | TiO2 and Fruit Powered Dye-Sensitized Organic Photovoltaic Gratzel Solar Cell

GENIUS Olympiad - Exceptional Genius Award

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Daniel Tauhert | Making An Answer Buzzer System

Beal Bank Honorable Mention

Junior | Physical | Embedded Systems | PLANO ISD | RENNER MIDDLE SCHOOL

Helina Tedros | Solar Desalination

U.S. Environmental Protection Agency 6th chapter - Honorable Mention

Junior | Life | Earth & Environmental Systems | PRIVATE | DALLAS INTERNATIONAL MS

Sriya Teerdhala | A Second Year Study on the Bioremediation of Tetracycline Polluted Soils: How Antibiotic Resistance can Reduce Antibiotic Pollution in the Environment and a Solution to Groundwater Antibiotic Pollution

Beal Bank First Prize

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sriya Teerdhala | A Second Year Study on the Bioremediation of Tetracycline Polluted Soils: How Antibiotic Resistance can Reduce Antibiotic Pollution in the Environment and a Solution to Groundwater Antibiotic Pollution

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sriya Teerdhala | A Second Year Study on the Bioremediation of Tetracycline Polluted Soils: How Antibiotic Resistance can Reduce Antibiotic Pollution in the Environment and a Solution to Groundwater Antibiotic Pollution

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sridatta Teerdhala | Thermal Crosslinking of Organic Polymer Blend Membranes for H2/CO2 Separations

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Sridatta Teerdhala | Thermal Crosslinking of Organic Polymer Blend Membranes for H2/CO2 Separations

The Mars Society -DFW Chapter - Honorable Mention

Senior | Physical | CHEMISTRY | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rishit Thakkar | Override Carbon Dioxide- A Digital Tool for Predicting Optimal Infrastructure Conditions Based on Current City Infrastructure and CO2 Pollution Levels

Beal Bank Third Prize

Senior | Life | Earth & Environmental Systems | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Archit Thanikella | Developing an Artificial Pancreas

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | FRISCO | TRENT MIDDLE SCHOOL

Emma Thoms | Does Temperature Affect The Growth of Borax Crystals?

Beal Bank Honorable Mention

Junior | Physical | CHEMISTRY | CHARTER | HARMONY SCHOOL OF INNOVATION, DALLAS MS

Aithreya Thoppay | A Novel Boat Propellor Design To Reduce Oceanic Noise Pollution

Beal Bank First Prize

Junior | Life | Environmental Engineering | PLANO ISD | RICE MIDDLE SCHOOL

Aithreya Thoppay | A Novel Boat Propellor Design To Reduce Oceanic Noise Pollution

Office of Naval Research - Naval Science Award, Junior Division

Junior | Life | Environmental Engineering | PLANO ISD | RICE MIDDLE SCHOOL

Shreya Tirumala Kumara | Utilizing Oil and Water Polymers in the Rehabilitation of Contaminated Soil

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Alonso Toji | BLISS

Beal Bank Honorable Mention

Senior | Physical | Engineering Mechanics | PAROCHIAL | BISHOP LYNCH HIGH

Alonso Toji | BLISS

DiscoverSTEM - Honorable Mention

Senior | Physical | Engineering Mechanics | PAROCHIAL | BISHOP LYNCH HIGH

Rohan Tolia | Trash To Treasure

Beal Bank Third Prize

Junior | Life | Environmental Engineering | FRISCO | VANDEVENTER MIDDLE SCHOOL

Ronit Totlani | Robo-Arm

Beal Bank Honorable Mention

Junior | Physical | Engineering Mechanics | FRISCO | PEARSON MIDDLE SCHOOL

Yash Totlani | A Novel Approach to Learning Robot Dexterity: Utilizing Embedded Linear-Quadratic Markov Decision Process by Projecting onto a New State Action-Space

Beal Bank Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | FRISCO | REEDY HIGH SCHOOL

Yash Totlani | A Novel Approach to Learning Robot Dexterity: Utilizing Embedded Linear-Quadratic Markov Decision Process by Projecting onto a New State Action-Space

Collins Leadership Association - Outstanding Communications Project Senior Div. 1st Place

Senior | Physical | Robotics & Intelligent Machines | FRISCO | REEDY HIGH SCHOOL

Julien Toussaint Dang | Don't Forget-Bit

Beal Bank Third Prize

Junior | Physical | Engineering Mechanics | PLANO ISD | OTTO MIDDLE SCHOOL

Kenneth Tran | Another Nail Bites The Rust

Beal Bank Third Prize

Junior | Physical | Materials Science | UPLIFT EDUCATION | UPLIFT SUMMIT MS

Elena Tran | Removing BPA from Water : Using a Revised Version of Terrence J. Collins Method on Radish Seeds

Beal Bank Third Prize

Senior | Life | Biochemistry | PLANO ISD | MCMILLEN HIGH SCHOOL

Khang Tran | Synthesis and Evaluation of Carbapenem Antibiotics Targeting OXA-23 Producing Acinetobacter baumannii

Beal Bank Honorable Mention

Senior | Physical | CHEMISTRY | COPPELL ISD | COPPELL HIGH SCHOOL

Megan Trieu | Biodegradable Plastics

Beal Bank Honorable Mention

Senior | Physical | Materials Science | PLANO ISD | MCMILLEN HIGH SCHOOL

Michael Tsimberg | Inspiration Germination

Beal Bank Honorable Mention

Junior | Life | Plant Sciences | CHARTER | UPLIFT NORTH HILLS MS

Brandon Tuttle | Screen or Swelter

Beal Bank Honorable Mention

Junior | Physical | Energy: Physical | FRISCO | PEARSON MIDDLE SCHOOL

Brandon Tuttle | Screen or Swelter

Directed Energy Professional Society - Junior 3rd Place

Junior | Physical | Energy: Physical | FRISCO | PEARSON MIDDLE SCHOOL

Kavin Umasankar | Green Cleaners

Beal Bank Third Prize

Junior | Life | Plant Sciences | PLANO ISD | ROBINSON MIDDLE SCHOOL

Akshay Unnikrishnan | A Non-Invasive Water Usage Detector II

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Akshay Unnikrishnan | A Non-Invasive Water Usage Detector II

DiscoverSTEM - Honorable Mention

Senior | Life | Environmental Engineering | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Pranav Uttarkar | The Impact of Sunn Hemp on the Fertility of Soil

Beal Bank Honorable Mention

Junior | Life | Plant Sciences | FRISCO | FOWLER MIDDLE SCHOOL

Pranav Uttarkar | The Impact of Sunn Hemp on the Fertility of Soil

North Texas Chapter of the Texas Master Naturalist (NTMN) - Honorable Mention

Junior | Life | Plant Sciences | FRISCO | FOWLER MIDDLE SCHOOL

Muhammad Uzair | Using Ships to Harness Tidal Power

Beal Bank Third Prize

Junior | Physical | Energy: Physical | PLANO ISD | RICE MIDDLE SCHOOL

Risha-Dianne Valera | Intelligent Rice Planting Robot

Beal Bank Second Prize

Senior | Life | Environmental Engineering | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Vishnu Vasudev | A Novel Communication System for Stroke Survivors Using an Electronic Glove

Beal Bank Third Prize

Senior | Life | Biomedical Engineering | FRISCO | LIBERTY HIGH SCHOOL

Tom Vazhekatt | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Zach Vazhekatt | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Beal Bank Honorable Mention

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Tom Vazhekatt | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Stockholm Junior Water Prize - Award for Excellence in a Water-Related Project

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Zach Vazhekatt | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Stockholm Junior Water Prize - Award for Excellence in a Water-Related Project

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

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Terracon, Inc. - Environmental Excellence Award, Senior Div. 1st Place Individual

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Zach Vazhekatt | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

Terracon, Inc. - Environmental Excellence Award, Senior Div. 1st Place Individual

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Tom Vazhekatt | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

WEAT / TAWWA - Senior Division, 3rd Place

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Zach Vazhekatt | Plant Based Bioremediation in Water: The Antibacterial and Flocculating Capabilities of Moringa Oleifera Lam. Seed Extracts in Combination with Oligodynamic Metal as a Purifier for Polluted Water

WEAT / TAWWA - Senior Division, 3rd Place

Senior | Life | Plant Sciences | COPPELL ISD | COPPELL HIGH SCHOOL

Parisa Vaziri | Overexpression of FOXO in PINK1 Drosophila melanogaster to Prevent Neurodegeneration

Beal Bank Second Prize

Senior | Life | Biomedical & Health Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Parisa Vaziri | Overexpression of FOXO in PINK1 Drosophila melanogaster to Prevent Neurodegeneration

Dallas County Medical Society - 1st Place

Senior | Life | Biomedical & Health Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Saanvi Veera Bomma | How Does Aging Potato Impact the Sensory Attributes of Fried Chips?

Beal Bank Honorable Mention

Junior | Physical | CHEMISTRY | PLANO ISD | ROBINSON MIDDLE SCHOOL

Swetha Velayutham | Using Protease-activated receptors (PARs) in C. elegans as a potential therapeutic agent for inflammatory diseases

Beal Bank First Prize

Senior | Life | ANIMAL SCIENCE | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Swetha Velayutham | Using Protease-activated receptors (PARs) in C. elegans as a potential therapeutic agent for inflammatory diseases

Beal Bank Grand Prize Runner Up

Senior | Life | ANIMAL SCIENCE | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Smaran Velidi | BioProtect: A Phased Array Spatial Sensor for Visual Detection and Assistance

Beal Bank Second Prize

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Smaran Velidi | BioProtect: A Phased Array Spatial Sensor for Visual Detection and Assistance

Texas Instruments - Best electronics or computing project, Senior Division

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Ishan Vemireddy | AQUEOUS TWO PHASE EXTRACTION SYSTEMS WITH ORGANIC SOLVENTS AND THE DISTILLATION PROCESS TO EXTRACT A NEUTRAL SOLUTION FROM ACID WHEY

Beal Bank Honorable Mention

Junior | Life | Environmental Engineering | PLANO ISD | RICE MIDDLE SCHOOL

Akshay Vemulapalli | Testing the Effectiveness of Various Filtration Systems on the Removal of Fluoride from Water

Beal Bank Honorable Mention

Senior | Life | Earth & Environmental Systems | ALLEN | LOWERY FRESHMEN CENTER

Aryan Vemuri | A novel approach to using AI to better allow for the blind navigate in a variety of settings

Beal Bank Honorable Mention

Senior | Life | Biomedical Engineering | FRISCO | REEDY HIGH SCHOOL

Arnold Venter | A Low-Cost, Remotely-Controlled, and Programmable Hand Tracking Device and Imitative Robotic Arm for Software Assisted Telesurgery and Burdenous and Hazardous Tasks

Beal Bank Third Prize

Senior | Physical | Embedded Systems | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Arnold Venter | A Low-Cost, Remotely-Controlled, and Programmable Hand Tracking Device and Imitative Robotic Arm for Software Assisted Telesurgery and Burdenous and Hazardous Tasks

Terracon, Inc. - Engineering Excellence Award, Senior Div. 3rd Place Individual

Senior | Physical | Embedded Systems | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Aayush Verma | External Skin Condition Detector

Beal Bank Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | COPPELL ISD | COPPELL HIGH SCHOOL

Desiree Verver | Runoff Water Filter

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Desiree Verver | Runoff Water Filter

U.S. Environmental Protection Agency 6th chapter - Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Desiree Verver | Runoff Water Filter

WEAT / TAWWA - Honorable Mention

Senior | Life | Environmental Engineering | CARROLLTON-FARMERS BRANCH | R L TURNER HIGH SCHOOL

Umang Vinayaka | External Skin Condition Detector

Beal Bank Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | COPPELL ISD | COPPELL HIGH SCHOOL

Aditya Vishnubhotla | BioProtect: A Phased Array Spatial Sensor for Visual Detection and Assistance

Beal Bank Second Prize

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Aditya Vishnubhotla | BioProtect: A Phased Array Spatial Sensor for Visual Detection and Assistance

Texas Instruments - Best electronics or computing project, Senior Division

Senior | Physical | Robotics & Intelligent Machines | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Rochan Viswanadhapalli | Developing an Artificial Pancreas

Beal Bank Honorable Mention

Junior | Life | Biomedical & Health Sciences | FRISCO | TRENT MIDDLE SCHOOL

Ananth Vivekanand | A Novel Approach to Learning Robot Dexterity: Utilizing Embedded Linear-Quadratic Markov Decision Process by Projecting onto a New State Action-Space

Beal Bank Honorable Mention

Senior | Physical | Robotics & Intelligent Machines | FRISCO | REEDY HIGH SCHOOL

Ananth Vivekanand | A Novel Approach to Learning Robot Dexterity: Utilizing Embedded Linear-Quadratic Markov Decision Process by Projecting onto a New State Action-Space

Collins Leadership Association - Outstanding Communications Project Senior Div. 1st Place

Senior | Physical | Robotics & Intelligent Machines | FRISCO | REEDY HIGH SCHOOL

Brian Vo | HydroCity: Renewable Hydroelectric in the Modern City

Beal Bank Third Prize

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Kayla Vu | Removing BPA from Water : Using a Revised Version of Terrence J. Collins Method on Radish Seeds

Beal Bank Third Prize

Senior | Life | Biochemistry | PLANO ISD | MCMILLEN HIGH SCHOOL

Hassan Wajid | Detecting habitable exoplanets with a computer simulation

Beal Bank Honorable Mention

Senior | Physical | Physics & Astronomy | ALLEN | ALLEN HIGH SCHOOL

Hassan Wajid | Detecting habitable exoplanets with a computer simulation

National Space Society of North Texas - Honorable Mention

Senior | Physical | Physics & Astronomy | ALLEN | ALLEN HIGH SCHOOL

Sophia Wang | The Effect of Probiotics and Metallothionein Proteins on Type II Diabetes through the change of the level of bifidobacteria , blood sugar level, insulin level, and inflammation factor

Beal Bank Third Prize

Senior | Life | Biomedical & Health Sciences | PLANO ISD | JASPER HIGH SCHOOL

Kaylie Wang | Using probability and statistics to control risk levels in the stock market

Beal Bank Honorable Mention

Senior | Physical | Mathematics | PLANO ISD | SHEPTON HIGH SCHOOL

Richard Wille | The Great Harvest 2: Using Multiple RF Energy Harvesting Antennas to Prolong the Battery Life of a Smartphone

McKinney Amateur Radio Club, Inc - Senior Division, 1st Place

Senior | Physical | Energy: Chemical and Energy: Physical | PLANO ISD | MCMILLEN HIGH SCHOOL

Vivian Winton | Into The Woods

Beal Bank Honorable Mention

Junior | Physical | Materials Science | DALLAS | JL LONG MIDDLE SCHOOL

Greyson Wong | come meet Mo: Augmented Environmentally Conservative Remote Control Lawn Mower

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | PLANO ISD | WILLIAMS HIGH SCHOOL

Noah Wong | Effect of Temperature Increase on Spring Constant in Thermal-Actuating Nylon Fishing Line Artificial Muscles

Beal Bank Third Prize

Senior | Physical | Materials Science | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Daniel Xie | An Intraterrestrial Obstacle

National Space Society of North Texas - Honorable Mention

Senior | Physical | Physics & Astronomy | COPPELL ISD | COPPELL HIGH SCHOOL

Jason Xu | Starvation for Salvation

Beal Bank First Prize

Senior | Life | Biomedical & Health Sciences | PLANO ISD | JASPER HIGH SCHOOL

Andersen Yanelli | To Bee or Not to Bee

Beal Bank First Prize

Junior | Life | ANIMAL SCIENCE | PLANO ISD | OTTO MIDDLE SCHOOL

Andersen Yanelli | To Bee or Not to Bee

Dallas County Veterinary Medical Association - Junior Division, 2nd Place

Junior | Life | ANIMAL SCIENCE | PLANO ISD | OTTO MIDDLE SCHOOL

Samira Yang | One Fish, Two Fish, Red Fish, Blue Fish - WiFi Edition - Improving the Customizable Automatic Fish Feeder

Beal Bank First Prize

Junior | Physical | Engineering Mechanics | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Samira Yang | One Fish, Two Fish, Red Fish, Blue Fish - WiFi Edition - Improving the Customizable Automatic Fish Feeder

Beal Bank Grand Prize

Junior | Physical | Engineering Mechanics | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Samira Yang | One Fish, Two Fish, Red Fish, Blue Fish - WiFi Edition - Improving the Customizable Automatic Fish Feeder

Office of Naval Research - Naval Science Award, Junior Division

Junior | Physical | Engineering Mechanics | PLANO ISD | SCHIMELPFENIG MIDDLE SCHOOL

Ella Yarborough | Beach Buddy

Beal Bank Honorable Mention

Senior | Physical | Engineering Mechanics | PLANO ISD | MCMILLEN HIGH SCHOOL

Nathan Yarborough | Beach Buddy

Beal Bank Honorable Mention

Senior | Physical | Engineering Mechanics | PLANO ISD | MCMILLEN HIGH SCHOOL

Lillian Ye | Nanoparticle Fluorescence Intensity for Glutathione Deficiency Detection

Beal Bank Second Prize

Senior | Life | Biochemistry | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL

Arjun Yedavalli | The Effects of Dilutions of NSAIDs (aspirin; nonsteroidal anti-inflammatory drugs) on the Regeneration of Dugesia tigrina

Beal Bank Honorable Mention

Senior | Life | Biomedical & Health Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Arjun Yedavalli | The Effects of Dilutions of NSAIDs (aspirin; nonsteroidal anti-inflammatory drugs) on the Regeneration of Dugesia tigrina

Dallas County Medical Society - Honorable Mention

Senior | Life | Biomedical & Health Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Amith Yedavalli | Developing a Cost Efficient and Environmentally Friendly Air Filter To Reduce Carbon Dioxide Emissions

Beal Bank Honorable Mention

Senior | Life | Environmental Engineering | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Amith Yedavalli | Developing a Cost Efficient and Environmentally Friendly Air Filter To Reduce Carbon Dioxide Emissions

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Environmental Engineering | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Jasper Yin | Does The Market Timing Strategy Outperform Buy and Hold?

Beal Bank Third Prize

Senior | Physical | Mathematics | PLANO ISD | CLARK HIGH SCHOOL

Aariz Zaki | Splitting Water: Separating Water into Hydrogen and Oxygen

Beal Bank Second Prize

Junior | Physical | CHEMISTRY | PAROCHIAL | ISLAMIC SCHOOL OF IRVING MS

Sheila Zhang | The Effects of Sidestream Electronic Cigarette Chemicals on Genetic Mutations

American Industrial Hygiene Association- North Texas Section - Senior Division, 1st Place

Senior | Life | Biomedical & Health Sciences | PLANO ISD | PLANO EAST SENIOR HIGH SCHOOL

Alysa Zhao | The Tea on Tea: Antimicrobial Effects of Camellia Sinensis

Beal Bank Honorable Mention

Junior | Life | Microbiology | PLANO ISD | MURPHY MIDDLE SCHOOL

Ethan Zhao | Cost-Effective and Facile Production of Foamed Aerogel by Pressurized Gelation

DFW Chapter of Hazardous Materials Managers - Honorable Mention

Senior | Life | Earth & Environmental Systems | ALLEN | ALLEN HIGH SCHOOL

Nicholas Zhong | Cancerous Cell Response to Treatment by Organoiridium Catalysts

Beal Bank Second Prize

Senior | Physical | CHEMISTRY | PLANO ISD | PLANO WEST SENIOR HIGH SCHOOL