

Beal Bank
Dallas Regional Science
and Engineering Fair

DRSEF



2019

Student Awards

Beal Bank Grand Prize Winners

Junior Division | Life Science

Through the Tinted Glass

Winston Gruver
Renner Middle School, Plano ISD

Manure Maneuvers: A Comparative Analysis of Various Manures on Plant Development and Investigation of Microbial Activity in the Rhizosphere

Shriya Bhat
Otto Middle School, Plano ISD

Junior Division | Physical Science

Bug Off!

Aarav Patel
JL Long Middle School, Dallas ISD

Warning: Toxic Cabin Air Inside! Analyzing the Cabin Air Quality of Parked Vehicles for VOC Off-gassing, Developing a Versatile Method of Lowering VOC Concentrations, and Automating it with a User-friendly Smartphone App to Improve Occupants Health

Sarang Goel
Coppell Middle East, Coppell ISD

Junior Division

Student Awards – Life Sciences

Behavioral and Social Sciences

Winston Gruver
Renner Middle School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize

Isabel Lawrence
Frankford Middle School
PLANO ISD
Beal Bank Second Prize
Dallas County Veterinary Medical Association, Junior, 1st Place

Kristina Boulos
Otto Middle School
PLANO ISD
Beal Bank Third Prize

Megan Ho
Otto Middle School
PLANO ISD
Beal Bank Third Prize

Kate Russ
Murphy Middle School
PLANO ISD
Beal Bank Fourth Prize

Sanjana Kumar
Schimelpfenig Middle School
PLANO ISD
American Statistical Association - North Texas Chapter ASA Award for Statistical Excellence, Junior Division

Biochemistry & Cellular and Molecular Biology

Arshia Narula
Fowler Middle School
FRISCO ISD
Beal Bank First Prize
Office of Naval Research – Naval Science Award, Junior Division
The Cooper Institute - Exercise/Health/Nutrition, 2nd Place

Poojita Murali
Murphy Middle School
PLANO ISD
Beal Bank Second Prize

Anusha Akula
Vandeventer Middle School
FRISCO ISD
Beal Bank Third Prize

Aarya Ravishankar
Renner Middle School
PLANO ISD
The Cooper Institute - Exercise/Health/Nutrition, 3rd Place

Biomedical and Health Sciences

Veda Kutagula
Ereckson Middle School
ALLEN ISD
Beal Bank First Prize

Reganne Morris
Pearson Middle School
FRISCO ISD
Beal Bank Second Prize

Pradyun Bhaskar
Pearson Middle School
FRISCO ISD
Beal Bank Third Prize

Anirudh Radhakrishnan
Pearson Middle School
FRISCO ISD
Beal Bank Third Prize

Jonathan Ye
Pearson Middle School
FRISCO ISD
Beal Bank Third Prize

Katherine Raehpour
Faubion Middle School
MCKINNEY ISD
Beal Bank Fourth Prize

Biomedical Engineering & Computational Biology and Bioinformatics

Athul Mohanram
Lawler Middle School
FRISCO ISD
Beal Bank First Prize

Vishnu Vasudev
Fowler Middle School
FRISCO ISD
Beal Bank Second Prize

Sara Salazar
Frankford Middle School
PLANO ISD
Beal Bank Third Prize

Shrey Joshi
Vandeventer Middle School
FRISCO ISD
*The Cooper Institute -
Exercise/Health/Nutrition, 1st
Place*

Environmental Engineering

Akshay Unnikrishnan
Otto Middle School
PLANO ISD
Beal Bank First Prize
*Office of Naval Research - Naval
Science Award, Junior Division
WEAT/TAWWA, 1st Place*

Isra Khan
Islamic School Of Irving Middle
School
PAROCHIAL
Beal Bank Second Prize

Suheera Syeda
Islamic School Of Irving Middle
School
PAROCHIAL
Beal Bank Second Prize

Anjali Iyer
Rice Middle School
PLANO ISD
Beal Bank Third Prize

Kylie Hung
Robinson Middle School
PLANO ISD
WEAT/TAWWA, 2nd Place

James Kwong
Fowler Middle School
FRISCO ISD
*Juniper Environmental LLC -
Juniper Environmental Award*

Emily Lou
Robinson Middle School
PLANO ISD
WEAT/TAWWA, 2nd Place

Brandon Tuttle
Pearson Middle School
FRISCO ISD
*North Texas Chapter of the Texas
Master Naturalist (NTMN) -
NTMN Junior Division*

Microbiology

Adithi Rallapalli
Renner Middle School
PLANO ISD
Beal Bank First Prize

Shakti Ramakrishna
Renner Middle School
PLANO ISD
Beal Bank First Prize

Aarav Metai
Griffin Middle School
FRISCO ISD
Beal Bank Second Prize

Fatima Azam
Brighter Horizons Middle School
PAROCHIAL
Beal Bank Third Prize

Plant Sciences

Shriya Bhat
Otto Middle School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize

Maya Brown
Frankford Middle School
FRISCO ISD
Beal Bank Second Prize

Kyle Jilla
Frankford Middle School
FRISCO ISD
Beal Bank Third Prize

Aryan Karthik
Pioneer Heritage Middle School
FRISCO ISD
*State of Texas Chapter - Health
Physics Society - STC-HPS
Science Fair Excellence Award*

Rishi Leburu
Pioneer Heritage Middle School
FRISCO ISD
*State of Texas Chapter - Health
Physics Society - STC-HPS
Science Fair Excellence Award*

Junior Division

Student Awards – Physical Sciences

Chemistry

Aarav Patel
JL Long Middle School
DALLAS ISD
Beal Bank Grand Prize
Beal Bank First Prize

Krithi Subramanian
Schimelpfenig Middle School
PLANO ISD
Beal Bank Second Prize

Vikrant Jeeva
Murphy Middle School
PLANO ISD
Beal Bank Third Prize

Griffin Doherty
Scoggins Middle School
FRISCO ISD
Beal Bank Fourth Prize

Sadhana Cheemalamarri
Maus Middle School
FRISCO ISD
Beal Bank Fourth Prize
*National Oceanic and Atmospheric
Administration – Taking the Pulse
of the Planet Award*

Akansha Bojjam
Pioneer Heritage Middle School
FRISCO ISD
WEAT / TAWWA, 3rd Place

Raeed Habib
Wester Middle School
FRISCO ISD
*American Industrial Hygiene
Association- North Texas Section -
Junior Division, 1st Place*

Rayna Keshavjee
Pioneer Heritage Middle School
FRISCO ISD
WEAT / TAWWA, 3rd Place

Earth and Environmental Sciences

Kevin Sun
Rice Middle School
PLANO ISD
Beal Bank First Prize

Lydia Chen
Bowman Middle School
PLANO ISD
Beal Bank Second Prize

Tiffany Chen
Schimelpfenig Middle School
PLANO ISD
Beal Bank Third Prize

Serenity Loya
JL Long Middle School
DALLAS ISD
*WK Research, Inc, WK Research
Best 6th Grade Project*

Macy Meyer
JL Long Middle School
DALLAS ISD
*WK Research, Inc, WK Research
Best 6th Grade Project*

Sarah Robb
JL Long Middle School
DALLAS ISD
*WK Research, Inc, WK Research
Best 6th Grade Project*

Embedded Systems

Sarang Goel
Coppell Middle East
COPPELL ISD
Beal Bank Grand Prize
Beal Bank First Prize
*Office of Naval Research – Naval
Science Award, Junior Division*
Society for Science & the Public,
Lemelson Early Inventor Prize

Otto Beall
Otto Middle School
PLANO ISD
Beal Bank Second Prize

Raghav Ramki
Rice Middle School
PLANO ISD
Beal Bank Third Prize

Gautam Penna
Otto Middle School
PLANO ISD
American Society of Safety
Professionals Junior Division Award

Energy: Chemical

Naviya Ravi
Fowler Middle School
FRISCO ISD
Beal Bank First Prize

Nidhi Kalyanpur
Boon Elementary
ALLEN ISD
Beal Bank Second Prize

Amaan Khan
Radiant Stem Academy
PAROCHIAL
Beal Bank Third Prize

Energy: Physical

Brennan Shipley
Otto Middle School
PLANO ISD
Beal Bank First Prize

Aditya Goel
Otto Middle School
PLANO ISD
Beal Bank Second Prize

Lucas Sasaya
Murphy Middle School
PLANO ISD
Beal Bank Third Prize

Andrew McFearin
Hendrick Middle School
PLANO ISD
Beal Bank Fourth Prize

Engineering Mechanics

Tess Gagliano
Haggard Middle School
PLANO ISD
Beal Bank First Prize
*Office of Naval Research - Naval
Science Award, Junior Division*

Dillon Blanton
The Highlands School
PAROCHIAL
Beal Bank Second Prize

Selim Kim
Robinson Middle School
PLANO ISD
Beal Bank Third Prize

Samira Yang
Schimelpfenig Middle School
PLANO ISD
Beal Bank Fourth Prize
*Dallas County Veterinary Medical
Association Junior Division, 2nd
Place*

Kristian Araya
Murphy Middle School
PLANO ISD
*National Space Society of North Texas
Space Exploration Scholarship 2nd
Place*

Travis Gullledge
Wester Middle School
FRISCO ISD
*Office of Naval Research - Naval
Science Award, Junior Division*

Landon Scharf
Hendrick Middle School
PLANO ISD
*Acoustical Society of America
Outstanding Junior Acoustic Project
Office of Naval Research - Naval
Science Award, Junior Division*

Material Science

Valerie Tang
Haggard Middle School
PLANO ISD
Beal Bank First Prize

Ibraheem Morsy
Brighter Horizons Middle School
PAROCHIAL
Beal Bank Second Prize

Makenzie Lang
Murphy Middle School
PLANO ISD
Beal Bank Third Prize

Christopher Garfield Sebert
Robinson Middle School
PLANO ISD
*ASM Materials Education North Texas
Chapter - Best Innovative Research
Junior Division*

Lindsey Yoder
Haggard Middle School
PLANO ISD
*Office of Naval Research - Naval
Science Award, Junior Division*

Mathematics & Systems Software

Ryan Patel
Pearson Middle School
FRISCO ISD
Beal Bank First Prize

Ronit Totlani
Pearson Middle School
FRISCO ISD
Beal Bank First Prize

Patrick Lu
Schimelpfenig Middle School
PLANO ISD
Beal Bank Second Prize
*Office of Naval Research - Naval
Science Award, Junior Division
Rockwell Collins Leadership
Association - Outstanding
Communications Project, Junior, 1st
Place*

Jaafar Alumary
School For The Highly Gifted
GRAND PRAIRIE ISD
Beal Bank Third Prize

Cole Bratton
School For The Highly Gifted
GRAND PRAIRIE ISD
Beal Bank Third Prize

Isaias Hernandez
School For The Highly Gifted
GRAND PRAIRIE ISD
Beal Bank Third Prize

Physics and Astronomy

Justin Simms
Murphy Middle School
PLANO ISD
Beal Bank First Prize

Aileen Moseley
Irma Rangel Young Women's
Leadership School - Middle School
DALLAS ISD
Beal Bank Second Prize

Judith Rodriguez
Irma Rangel Young Women's
Leadership School - Middle School
DALLAS ISD
Beal Bank Second Prize

Lyriq Turner
Irma Rangel Young Women's
Leadership School - Middle School
DALLAS ISD
Beal Bank Second Prize

Cyruss Evans
JL Long Middle School
DALLAS ISD
Beal Bank Third Prize

Amitha Mandava
Otto Middle School
PLANO ISD
*American Radio Relay League:
McKinney Amateur Radio Club,
Inc. - Junior, 1st Place*

Keller Reeves
Pearson Middle School
FRISCO ISD
*Rockwell Collins Leadership
Association - Outstanding
Communications Project Junior,
2nd Place*

Robotics & Intelligent Machines

Adil Husain
Rice Middle School
PLANO ISD
Beal Bank First Prize
*Office of Naval Research - Naval
Science Award, Junior Division*

Aditya Mishra
Murphy Middle School
PLANO ISD
Beal Bank Second Prize
*Texas Instruments - Best
Electronics or Computing Project,
Junior Division*

Dhruv Chanana
Fowler Middle School
FRISCO ISD
Beal Bank Third Prize

Ojas Kaveeshwar
Pearson Middle School
FRISCO ISD
*Rockwell Collins Leadership
Association - Outstanding
Communications Project Junior,
3rd Place*

Jayanth Pandit
Pioneer Heritage Middle School
FRISCO ISD
*American Industrial Hygiene
Association- North Texas Section -
Junior Division, 1st Place*

Minhan Park
Renner Middle School
PLANO ISD
*Texas Instruments - Best
Electronics or Computing Project,
Junior Division*

Ian Wang
Renner Middle School
PLANO ISD
*Texas Instruments - Best
electronics or computing project,
Junior Division*

Beal Bank Grand Prize Winners

Senior Division | Life Science

TheraArm: Orthosis Therapy for Arm Rehabilitation and Movement Assistance

Andrei Spiride

Plano East Senior High School, Plano ISD

Agrobotics

Risha-Dianne Valera

Plano West Senior High School, Plano ISD

Senior Division | Physical Science

Optimizing and Fine-Tuning Electrode Pore Sizes Utilizing Varying Ratios of the Immiscible Polymer Blend PAN-PS for High Energy Density and Wide Temperature Range Supercapacitors

Ashay Shah and Ashna Shah

Plano East Senior High School, Plano ISD

Bioremediation of Tetracycline Polluted Soils: How Antibiotic Resistance can Reduce Antibiotic Pollution

Sanjana Hiremath and Sriya Teerdhala

Plano East Senior High School, Plano ISD

Senior Division

Student Awards – Life Sciences

Behavioral and Social Sciences

Tanaz Muhamed
Plano East Senior High School
PLANO ISD
Beal Bank First Prize
*American Psychological Association -
Achievement in Psychological Science
American Statistical Association -
North Texas Chapter, ASA Award for
Statistical Excellence, Senior Division
Office of Naval Research – Naval
Science Award, Senior Division*

Govardhan Poondi
Shepton High School
PLANO ISD
Beal Bank Second Prize

Zaid Memon
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Uneeb Sajjad
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Nick Sangha
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Biochemistry

Pranav Civi
Jasper High School
PLANO ISD
Beal Bank First Prize

Noah Mathai
Jasper High School
PLANO ISD
Beal Bank First Prize

Ria Akhilesh
Coppell High School
COPPELL ISD
Beal Bank Second Prize

Eshita Sharma
Coppell High School
COPPELL ISD
Beal Bank Second Prize

Akanksha Deka
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Biomedical and Health Sciences

Parisa Vaziri
Plano East Senior High School
PLANO ISD
Beal Bank First Prize
*Dallas County Medical Society – 1st
Place*

Jishnu Basu
Vines High School
PLANO ISD
Beal Bank Second Prize
*Baylor Research Institute – Med. &
Health Sciences, Senior Division, 1st
Place*

Anjali Brown
Shepton High School
PLANO ISD
Beal Bank Third Prize

Taran Gupta
Shepton High School
PLANO ISD
Beal Bank Third Prize

Arnav Murthy
Clark High School
PLANO ISD
Baylor Research Institute – Med. & Health Sciences, Senior Division, 2nd Place

Abishai Rajan
Clark High School
PLANO ISD
Baylor Research Institute – Med. & Health Sciences, Senior Division, 2nd Place

Ankur Sikder
Coppell High School
COPELL ISD
Baylor Research Institute – Med. & Health Sciences, Senior Division, 3rd Place

Yusuf Khan
Plano Senior High School
PLANO ISD
Dallas County Medical Society – 2nd Place

Mrigayu Ghosh
Uplift North Hills High School
CHARTER
The Cooper Institute – Exercise/Health/Nutrition, Senior, 1st Place

Shambhavvi Anand
Coppell High School
COPELL ISD
The Cooper Institute – Exercise/Health/Nutrition, Senior, 3rd Place

Biomedical Engineering

Andrei Spiride
Plano East Senior High School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize

Rakaan Alhaddad
Plano East Senior High School
PLANO ISD
Beal Bank Second Prize

Rohan Mehta
Plano East Senior High School
PLANO ISD
Beal Bank Second Prize

Sophie Krajmalnik
Shepton High School
PLANO ISD
Beal Bank Third Prize
State of Texas Chapter- Health Physics Society, STC-HPS Science Fair Excellence Award

Cellular and Molecular Biology

Tanya Wang
Clark High School
PLANO ISD
Beal Bank First Prize

Venu Poruri
Plano East Senior High School
PLANO ISD
Beal Bank Second Prize

Sridatta Teerdhala
Plano East Senior High School
PLANO ISD
Beal Bank Second Prize

Samanvitha Nukala
McMillen High School
PLANO ISD
Beal Bank Third Prize

Shanivi Srikonda
Irving High School
IRVING ISD
*Society for In Vitro Biology –
Outstanding Achievement in In
Vitro Biology, 11th Grade*

Hiranmayee Mohan
Vines High School
PLANO ISD
*The Cooper Institute –
Exercise/Health/Nutrition, Senior,
2nd Place*

Computational Biology and Bioinformatics

Rithvik Ganesh
Jasper High School
PLANO ISD
Beal Bank First Prize

Adith Gangalakunta
Jasper High School
PLANO ISD
Beal Bank Second Prize

Charles Hou
Jasper High School
PLANO ISD
Beal Bank Second Prize

Ayon Das
Jasper High School
PLANO ISD
Beal Bank Third Prize

Shreyas Shridharan
Jasper High School
PLANO ISD
Beal Bank Third Prize

Esha Kumar
Coppell High School
COPPELL ISD
*ASM Materials Education
Foundation – Most Outstanding
Exhibit in Materials Science
ASM Materials Education North
Texas Chapter – Best Innovative
Research Senior Division*

Environmental Engineering

Risha-Dianne Valera
Plano West Senior High School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize
*Office of Naval Research – Naval
Science Award, Senior Division
Southwestern Medical
Foundation – Kathryn and
Ashley H. Priddy Award
Yale Science & Engineering
Association, Inc. – Most
Outstanding 11th Grade Exhibit*

Mukund Ramachandran
Jasper High School
PLANO ISD
Beal Bank Second Prize

Nandini Ramachandran
Jasper High School
PLANO ISD
Beal Bank Second Prize

Leylani Martinez
Irving High School
IRVING ISD
Beal Bank Third Prize

Kaustubh Sonawane
Jasper High School
PLANO ISD
*Stockholm Water Prize – Award
for Excellence in a Water-Related
Project*
*WEAT/TAWWA – Senior Division,
2nd Place*

Russell Ramsay
Dallas International High School
PRIVATE
*U.S. Environmental Protection
Agency 6th Chapter – Exemplary
Achievement in Environmental
Protection*

Microbiology

Gargi Porwal
Plano West Senior High School
PLANO ISD
Beal Bank Grand Prize Runner Up
Beal Bank First Prize

Ivana Durcanska
Shepton High School
PLANO ISD
Beal Bank Second Prize

Lily Harrison
Shepton High School
PLANO ISD
Beal Bank Second Prize

Bhavik Tadigotla
Jasper High School
PLANO ISD
Beal Bank Third Prize

Plant Sciences

Rachel Mammen
Jasper High School
PLANO ISD
Beal Bank Grand Prize Runner Up
Beal Bank First Prize

Karthik Karuppiah
Coppell High School
COPPELL ISD
Beal Bank Second Prize

Tom Vazhekatt
Coppell High School
COPPELL ISD
Beal Bank Second Prize

Zach Vazhekatt
Coppell High School
COPPELL ISD
Beal Bank Second Prize

Areebah Fatima
Salam Academy High School
PRIVATE
Beal Bank Third Prize
*Terracon, Inc. – Environmental
Excellence Award, Senior Division, 3rd
Place*

Senior Division

Student Awards – Physical Sciences

Chemistry

Zain Zaidi
Coppell High School
COPPELL ISD
Beal Bank First Prize

Rujula Polu
Coppell High School
COPPELL ISD
Beal Bank Second Prize

Mina Phipps
McMillen High School
PLANO ISD
Beal Bank Third Prize

Earth and Environmental Sciences

Sanjana Hiremath
Plano East Senior High School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize
*DFW Chapter of Hazardous
Materials Managers – 1st Place
Senior Division, Best
Hazardous Materials Project
NASA – Earth Systems Science
Award*

Sriya Teerdhala
Plano East Senior High School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize
*DFW Chapter of Hazardous
Materials Managers – 1st Place*

Mahati Shastry
Coppell High School
COPPELL ISD
Beal Bank Second Prize

Nicole Ahsan
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Iniya Anandan
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Reanna Selvaraj
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Kavya Muralidhar
Plano East Senior High School
PLANO ISD
*North Texas Chapter of the Texas
Master Naturalist (NTMN) -
NTMN Senior Division
Stockholm Junior Water Prize -
Award for Excellence in a Water-
Related Project
Terracon, Inc. - Environmental
Excellence Award, Senior Div.
2nd Place Individual
U.S. Environmental Protection
Agency 6th chapter - Exemplary
Achievement in Environmental
Protection
WEAT / TAWWA - Senior
Division, 3rd Place*

Saachi Gulati
Plano East Senior High School
PLANO ISD
*Stockholm Junior Water Prize -
Award for Excellence in a Water-
Related Project*
*WEAT / TAWWA - Senior Division, 1st
Place*

Olivia McCoy
Plano East Senior High School
PLANO ISD
*Stockholm Junior Water Prize -
Award for Excellence in a Water-
Related Project*
*WEAT / TAWWA - Senior Division, 1st
Place*

Jeremy Zhang
Plano Senior High School
PLANO ISD
*The Mars Society -DFW Chapter - The
Mars Society-Curiosity Award*

Embedded Systems

Rajiv Swamy
Plano East Senior High School
PLANO ISD
Beal Bank First Prize

Rekha Swamy
Plano East Senior High School
PLANO ISD
Beal Bank First Prize

Vinamra Adikehithilu
Jasper High School
PLANO ISD
Beal Bank Second Prize
*Office of Naval Research - Naval
Science Award, Senior Division*

Keshav Vasanth
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Energy: Chemical

Ashay Shah
Plano East Senior High School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize

Ashna Shah
Plano East Senior High School
PLANO ISD
Beal Bank Grand Prize
Beal Bank First Prize

Rohan Chhaya
Plano Senior High School
PLANO ISD
Beal Bank Second Prize
*National Space Society of
North Texas - Space
Exploration Scholarship 1st
Place*

Walter Stark
Plano Senior High School
PLANO ISD
Beal Bank Second Prize
*National Space Society of North
Texas - Space Exploration
Scholarship 1st Place*

Amshu Pudhota
Coppell High School
COPPELL ISD
Beal Bank Third Prize

Sahan Yerram
Coppell High School
COPPELL ISD
Beal Bank Third Prize

Energy: Physical

Eshan Chhabra
Plano Senior High School
PLANO ISD

Beal Bank First Prize
*Terracon, Inc. - Environmental
Excellence Award, Senior
Division, 1st Place*

Benjamin Li
Plano West Senior High School
PLANO ISD

Beal Bank Second Prize

Richard Wille
McMillen High School
PLANO ISD

Beal Bank Third Prize

Om Dodiya
The Academy High School
PLANO ISD
*U.S. Metric Association - Best
Use of SI Units in a Project,
Senior Division*

Engineering Mechanics

Danielle Furman
Shepton High School
PLANO ISD
Beal Bank First Prize

Sanjana Pemmaraju
Plano East Senior High School
PLANO ISD
Beal Bank Second Prize

Ethan Moore
Plano Senior High School
PLANO ISD
Beal Bank Third Prize

Nethra Krishnan
Jasper High School
PLANO ISD
*Office of Naval Research – Naval
Science Award, Senior Division*

Avi Puranik
Clark High School
PLANO ISD
*Office of Naval Research – Naval
Science Award, Senior Division*

Yash Saxena
Shepton High School
PLANO ISD
*Terracon, Inc. – Engineering
Excellence Award, Senior Division,
2nd Place*
*Texas Instruments – Best Electronics
or Computing Project, Senior Division*

Arnold Venter
Shepton High School
PLANO ISD
*Terracon, Inc. – Engineering
Excellence Award, Senior Division,
2nd Place*
*Texas Instruments – Best Electronics
or Computing Project, Senior Division*

Material Science

Annie Zhi
Plano Senior High School
PLANO ISD
Beal Bank First Prize
*Office of Naval Research –
Naval Science Award, Senior
Division*
*Terracon, Inc. – Engineering
Excellence Award, Senior
Division, 1st Place*

Arshia Elahi
Plano Senior High School
PLANO ISD
Beal Bank Second Prize
*Acoustical Society of America –
Outstanding Senior Acoustic
Project*

Noah Wong
Williams High School
PLANO ISD
Beal Bank Third Prize

Mathematics

Maxwell Jiang
Plano West Senior High School
PLANO ISD
Beal Bank First Prize
*MU Alpha Theta – Award for
Mathematics*

Derek Qin
Plano West Senior High School
PLANO ISD
Beal Bank First Prize
*MU Alpha Theta – Award for
Mathematics*

Umangi Singh
McMillen High School
PLANO ISD
Beal Bank Second Prize

Shrey Joshi
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Physics and Astronomy

Nicholas Zhong
Plano West Senior High School
PLANO ISD
Beal Bank First Prize

Pranathi Pilla
Jasper High School
PLANO ISD
Beal Bank Second Prize

Saisrinivas Gudivada
Plano East Senior High School
PLANO ISD
Beal Bank Third Prize

Katherine Forson
Shepton High School
PLANO ISD
*American Radio Relay League:
McKinney Amateur Radio Club,
Inc., Senior Division, 1st Place*

Robotics & Intelligent Machines

Harshal Bharatia
Vines High School
PLANO ISD
Beal Bank Grand Prize Runner Up
Beal Bank First Prize
*Office of Naval Research - Naval
Science Award, Senior Division*

Pranav Nathan
Jasper High School
PLANO ISD
Beal Bank Second Prize
*Texas Instruments - Best Electronics or
Computing Project, Senior Division*

Kevin Meng
Plano West Senior High School
PLANO ISD
Beal Bank Third Prize
*Rockwell Collins Leadership
Association – Outstanding
Communications Project, Senior
Division, 1st Place*

Arjun Raghuram
Plano East Senior High School
PLANO ISD
*Terracon, Inc. – Engineering Excellence
Award, Senior Division, 3rd Place*

Alay Shah
Shepton High School
PLANO ISD
Beal Bank Third Prize

Anika Bokil
McMillen High School
PLANO ISD
*American Society of Safety
Professionals – Senior Division Award
Rockwell Collins Leadership
Association - Outstanding
Communications Project, Senior, 2nd
Place*

Systems Software

Yousuf Ahmad
Jasper High School
PLANO ISD
**Beal Bank Grand Prize Runner Up
Beal Bank First Prize**
*Intel – Excellence in Computer Science
Awards
Rockwell Collins Leadership Association -
Outstanding Communications Project,
Senior, 3rd Place*

Humza Salim
Jasper High School
PLANO ISD
**Beal Bank Grand Prize Runner Up
Beal Bank First Prize**
*Intel – Excellence in Computer Science
Awards
Rockwell Collins Leadership Association -
Outstanding Communications Project,
Senior, 3rd Place*

Navya Ramakrishnan
Jasper High School
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