

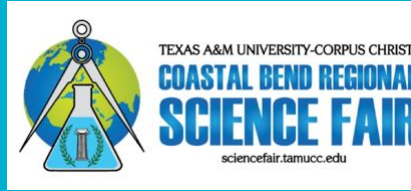


TEXAS A&M UNIVERSITY-CORPUS CHRISTI

**COASTAL BEND REGIONAL
SCIENCE FAIR**

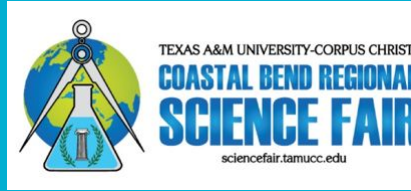
sciencefair.tamucc.edu

February 9-10, 2024



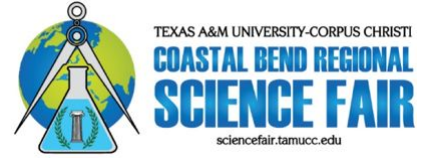
Elementary Division Awards

2024



Kindergarten

Finalists



Biological Sciences

Third Place

Evelyn Takesuye

Second Place

Eli Varela

First Place

Logan Ivy



Chemistry

Third Place

Evelyn Martin

Second Place

Fulianna Salinas

First Place

Ezra Alaniz



Earth and Environmental Sciences

Third Place

Oscar Valenzuela

Second Place

Elliott Blanton

First Place

Ashton Adams



Engineering and Technology

Second Place

Maximus Salazar

First Place

Matthew Garcia



Physics and Mathematics

Third Place

Faith Cervantes

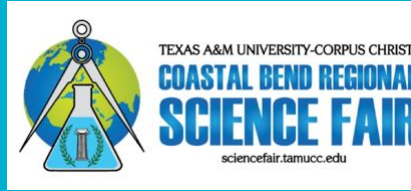
Second Place

Logan Utley

First Place

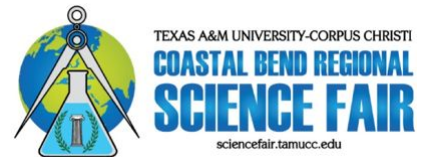
Nayeli Thomas





First Grade

Finalists



Biological Sciences

Third Place

Elizabeth Eckert

Second Place

Solomon Brown

First Place

Inam James Pendleton



Chemistry

Third Place

Lorenzo Solis

Second Place

Amelia Herndon

First Place

Arian Khan



Earth and Environmental Sciences

Third Place

Reuelle Pandisseril

Second Place

Samuel Hanselman

First Place

Wyatt Crandall



Engineering and Technology

Third Place

Oliver Longoria

Second Place

Dylan Cano

First Place

Gabriel Davila



Physics and Mathematics

Third Place

Adira Mitcham

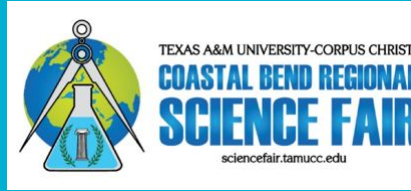
Second Place

Tucker Dieterle

First Place

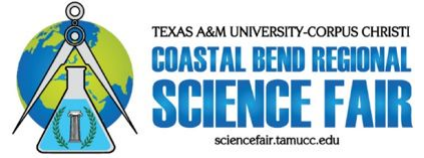
Tristan Millsap





Second Grade

Finalists



Biological Sciences

Third Place

George West

Second Place

Weston Cartwright

First Place

Thomas Valls



Chemistry

Third Place

Kimia Khan

Second Place

Tegan Casey

First Place

Sebastian Silva



Earth and Environmental Sciences

Third Place

Fallyn Markowski

Second Place

Logan Saenz

First Place

Noah Stout



Engineering and Technology

Third Place

Audrey Hanus

Second Place

Luke Pesek

First Place

Nathan Chancey



Physics and Mathematics

Third Place

Rylee Smith

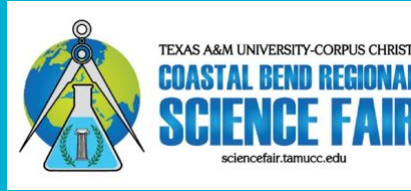
Second Place

Elijah Wik

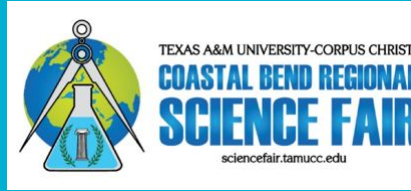
First Place

Hudson Barnett





K-2 Division Award



Arian Khan

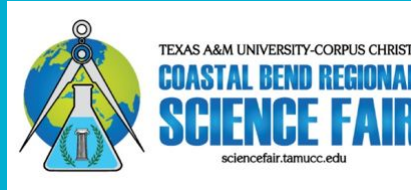


TEXAS A&M UNIVERSITY-CORPUS CHRISTI

**COASTAL BEND REGIONAL
SCIENCE FAIR**

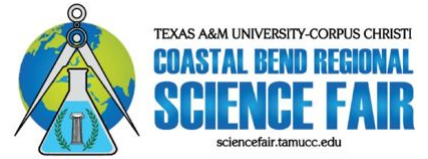
sciencefair.tamucc.edu

February 9-10, 2024



Third Grade

Finalists



Biological Sciences

Third Place

Bennett Radar

Second Place

Rafaella Jaarika Cantu

First Place

Alexzander Rodriguez



Chemistry

Third Place

Fynleigh Rhine

Second Place

Everly Garza

First Place

Ainsley Erickson



Earth and Environmental Sciences

Third Place

Corrine Kahl

Second Place

Natalia Galvan

First Place

Madelyn Tindol



Engineering and Technology

Third Place

Jackson Harris

Second Place

Brynlee Elsik

First Place

Kyle Ostrander



Physics and Mathematics

Third Place

Ezekiel Ridley

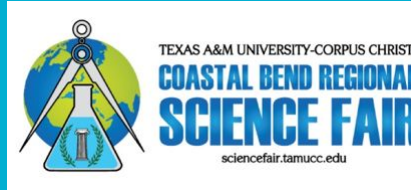
Second Place

Miguel Elizondo

First Place

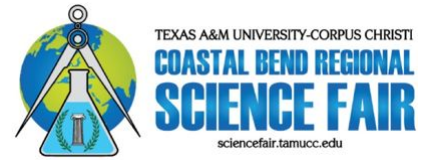
Sophia Sibert





Fourth Grade

Finalists



Biological Sciences

Third Place

Sofia Amaya

Second Place

Kathryn Garcia

First Place

Sadie Williams



Chemistry

Third Place

Evelyn Whitehead

Second Place

Gage Galindo

First Place

Max Nguyen



Earth and Environmental Sciences

Third Place

Archer Melton

Second Place

Faxon Gonzales

First Place

Liam Stout



Engineering and Technology

Third Place

Marina Garner

Second Place

Hillary Espinoza

First Place

Casey Lovelady



Physics and Mathematics

Third Place

Orlando Saenz

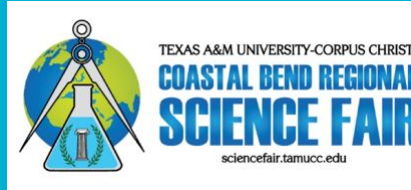
Second Place

Syan Gokalbhai

First Place

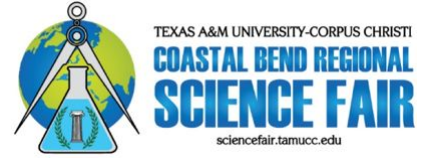
Nicholas McCandless





Fifth Grade

Finalists



Biological Sciences

Third Place

Lily Soliz

Charity Bremer

Second Place

Andrea Conkey

First Place

Jacey Rodriguez



Chemistry

Third Place

Harleigh Collins

Second Place

Robert Nollen III

First Place

Josefina Orines



Earth and Environmental Sciences

Third Place

Jeremiah Sanchez

Second Place

Viviana Rivera

First Place

Marcos-Che's Lerma



Engineering and Technology

Third Place

Avery Johnson

Second Place

Nicolas Martinez

First Place

Mohammad Qadri



Physics and Mathematics

Third Place

Mary-Alden Fontenette

Kylee Cruz

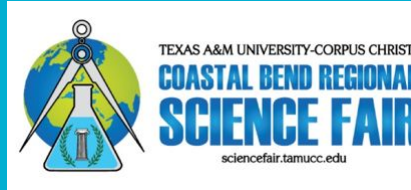
Second Place

Emma Garza

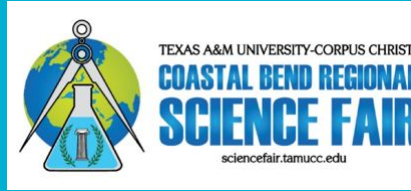
First Place

Knox Kubena





3-5 Division Award

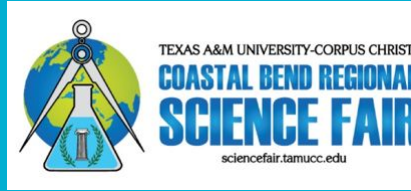


Knox Kubena



TEXAS A&M UNIVERSITY-CORPUS CHRISTI
**COASTAL BEND REGIONAL
SCIENCE FAIR**
sciencefair.tamucc.edu

February 9-10, 2024



Secondary Awards Special Awards 2024

American Psychological Association

Trustea Davila

Cybersecurity: How secure are your test questions?



Association for Women Geoscientists

Mia Palmer

The Dredges Effect on Coquina Clams



Environmental Protection Agency (EPA)

Soaham Kumar

Development of a viable, cost-effective, and sustainable solution to heavy metals pollution in water



NASA Earth System Science Award

Arissa Garza

The Reality of Runoff



Regeneron Biomedical Science Award

Sharmada Palakurthi

Discovery and investigation of a novel anti-platelet and cholesterol-lowering agent for prevention and treatment of cerebral stroke



Ricoh USA, Inc.

Noah Martinez

Mitigate Residential Rainwater Runoff



U.S. Agency for International Development (USAID)

Evelyn Engle

When Light Kills: The Effect of UV-C Light on the Growth of Staphylococcus aureus Bacteria



U.S. Metric Association

Nathaniel Belcher

Magnetic Field Disruption



United States Air Force

Ronit Verma

Smart Car System: A Customized and Novel Solution to Reducing Drunk Driving and DUI Car Accidents



United States Air Force

Alexia Fuentes

Soft Robotics: Testing the Viability of an Air Powered Soft Gripper



United States Air Force

Benjamin Hernandez

Black Algae Growth



Yale Science & Engineering Association

Cuauhtemoc Zamora

*Colorimetric Smart Packaging System:
A Carbohydrate-Based Plastic Alternative
for Detecting Food Spoilage*



Stockholm Water Prize

9-12

1st Place: Baseline Groundwater Analysis Near the Planned Direct Air Capture Facility by Vihaan Rajput

2nd Place: Sipping Your Way to Clean Water by Carina Bella Sanchez

3rd Place: Microorganism and pH Level Diversity Between Urban and Natural Water Sources by Ava Varela

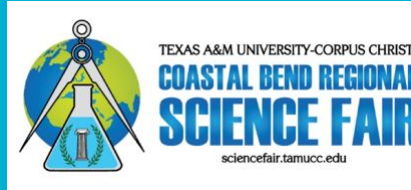
6-8

1st Place: Can a Renewable Resource such as Water Create Clean Energy?
By Jordan Hastings

2nd Place: Solar-Powered Desalination of Baffin Bay Water for Coastal Communities by Ruben Cantu

3rd Place: Chlorine and pH Equality in Corpus Christi, Texas by Luke Lamb





Grades 6-8 Category Awards 2024

Animal Science (ANIM)

Third:

Jaiden Hernandez, *“Woofs” for Lunch*

Second:

Luka Pollack & Aiden Nixon, *Climate Ants*

First:

Jaycee Johns, *The Illuminating LAYdies*



Behavioral and Social Sciences (BEHA)



Third:

Isaiah Hinojosa, Reaction Time vs Visual Stimulation-

Second:

Joel Ramirez and Mason Maldonado, Drop the Beat

First:

Miguel Garza, Simple Lie Detector Test

Biochemistry (BCHM)

Third:

Jaiya Bindingnavele, Super Spud!

Second:

Elli Mebane, In Living Color

First:

Chloe Valdez, Changes in Bone Density



Biomedical & Health Sciences (BMED)

Third:

Emma Hutchens Investigation into the effects of
Training on Reaction time

Second:

Saverin Reyes, City vs Bottled Water Purity

First:

Emalie Garza and Oscar Hernandez, You got dry skin?



Biomedical Engineering (ENBM)

Third:

Ezra Chavez, The Picker Upper

Second:

Gabriella Alvarez & Lilyana Salinas, Affordable Prosthetics for K'9s

First:

Jolie Casas, Which pain reliever has a faster dissolution time:
Brand or Generic?



Cellular & Molecular Biology (CELL)

Third:

Diya Trivedi, Egg-Cellent Cell,
Organ and System Overtime Damage

Second:

Zeidy Amador, Strawberry Smoothie

First:

Cami Egbert, Project Osmosis



Chemistry (CHEM)



Third:

Katalina Huerta & Romani Clark, Horchata Lip Gloss

Second (tie):

Finnegan Lucas, Moving without paddle

Pogorzelski Connor, Electric Rust Removal

First:

Evelyn Lovelady, Determining the Scrub-ability of Paint Using Hyperspectral

Computational Biology & Bioinformatics (CBIO)

Third Place

Spice of Life-Isabella Sandoval & Genine Salazar

Second Place

*A Musical Mind and Heart: One Year Project-Kairi
Spencer*

First Place

Energy Drink Drama- Cassidy Maloney



Earth and Environmental Sciences(EAEV)

Third:

Kinzey Martinez, Collagen VS Protease

Second:

Zirah Qadri, Electromagnetic Separation of Dye Pollutants

First:

Luke Lamb, Chlorine and pH Level Equality in Corpus Christi,
Tx Tap Water



Embedded Systems (EBED)

Second:

Alyson Gonzalez, Air Gapped II

First:

Lucas Cisneros, Blocking WIFI



Energy: Sustainable Materials & Design (EGSD)

Third:

Abbey Williams, What's in your Tank?

Second:

Alexander Kaden & Kamden Kern, The Power of the Sun to Make Drinking Water

First:

Aiden Kim, Thermal Sand Generator



Engineering Technology: Statics & Dynamics (ETSD)

Third Place

Elijah Vargas, Dampening Dingers

Second Place

Miranda Garcia, That's Gas

First Place

Lillianna Perez & Taylor Coon, Water Works



Environmental Engineering (ENEV)



Third:

Solar-Powered Desalination of Baffin Bay Water for Coastal-Ruben Jaanus Cantu

Second:

Kevin Dang, Can Plants Stop Soil Erosion?

First:

Soaham Kumar, Development of a viable, cost- effective, and sustainable

Materials Science (MATS)



Third:

Kian Shafiee, Paper Stronger than you think

Second:

Vivian Hans, Testing Natural Insulation in wet conditions

First:

Jezenya Avelar & Sophia Morano, Go with the Flow

Mathematics (MATH)



Third:

Anthony Canavati, Predicting the Stock Market

Second:

Eli Luna & Marcus Perez, Rock, Paper, Scissors...shoot

First:

Ryan Rocha, Mathematical model: How color affects temperature

Microbiology (MCRO)

Third:

Emmerson Perez, The Dirty Truth

Second:

Ava Ford and Savannah Friel, How Clean is Your Clean?

First:

Evelyn Engle, When Light Kills: The Effect of UV-C Light on the Growth of...



Physics & Astronomy (PHYS)

Third:

Elliana Arredondo, Navigating the Skies

Second:

Chelsea Saldana, Does PSI Matter?

First:

Christopher Holmes, Going the Distance



Plant Science (PLNT)



Third:

Isalyne Persaud, Same Seeds, Different Liquids

Second:

Julian Olivo, Which type of water is best for a plants growth?

First:

Grace Bell, It takes a little Trowel and Air

Robotics & Intelligent Machine (ROBO)



Third:

Abel Perez and Romeo Ruiz, Robotic Guardian

Second:

Allyson Tinana, Forecasting the Future AI Powered Weather Predictions

First:

Chad Aguilar, Red Planet Greenery

System Software (SOFT)

Third:

Cedar Koehler, Different Ways to Make
an Action Repeat in Scratch

Second Place

Ryan Gonzalez, SKIMMING: Shaping the future of RFID with Metal
Exploration

First Place

Dana Kim, AI-Powered Malware Watcher



Translational Medical Science (TMED)



Third:

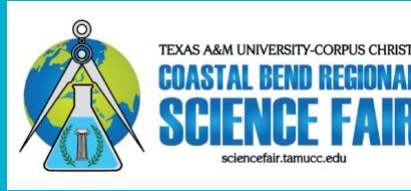
Maheet Mallikarjunaia, The Caffeine Cup

Second:

Olive Hansen, Heart Rate Recovery Time in Adolescents

First:

Lauren Aguilar, Spill the Tea



Grades 9-12 Category Awards 2024

Animal Science (ANIM)

First Place

Adelina Bell & Zoey Ochoa,

What is the Importance of an
Anaerobic Environment to Digestion
in the Rumen?



Behavioral & Social Sciences (BEHA)

Third:

Caydenn Angeles, Play It By Ear

Second:

Jesus Saenz & Jose Barrera & Emma Alvarez, Bad Situation

First:

Caleb Flores & Audrina Torres, Can Peppermints Improve Reaction Time?



Biomedical & Health Sciences (BMED)

Third:

Jayla Hinojosa & Avery Garcia, Is it Worth It?

Second:

Alisa Pilehvari & Aman Pilehvari, Weight Loss through Loss

First:

Sharmada Palakurthi, Discovery and investigation of a novel anti-platelet and cholesterol-lowering agent for prevention and treatment of cerebral stroke



Chemistry (CHEM)



Third:

Jaci Mungia, Crystal Chemistry

Second:

Noah Dye & James Dye & Madeline Dye, The Effect of Varying Concentrations of Solution

First:

Leela Bindingnavele, Titration Station

Earth & Environmental Sciences (EAEV)

Second:

Carina Sanchez, Sipping Your Way to Clean Water

First:

Ava Varela, Microorganism Bio-Diversity Between Urban and Natural



Embedded Systems (EBED)

Third:

Oscar Gonzalez, Science of Signal Strength III

Second:

Trustea Davila, Cybersecurity: How secure are your test questions?

First:

Ronit Verma, SMART CAR SYSTEM: A CUSTOMIZED AND NOVEL SOLUTION TO REDUCING DRUNK DRIVING AND DUI CAR ACCIDENTS



Environmental Engineering (ENEV)

Second:

Noah Martinez, Mitigate Residential Rainwater Runoff

First:

Vihaan Rajput, Baseline Groundwater Analysis near the Planned Direct Air



Material Science (MATS)

First:

Cuauhtemoc Zamora, Colorimetric Smart

Packaging System: A Carbohydrate-Based

Plastic Alternative for Detecting Food Spoilage



Mathematics (MATH)

First:

Ethan Cronkhite - Using Probability &
Patterns to Achieve Mastery on the STAAR



Physics & Astronomy (PHYS)

Third:

Nathaniel Belcher, Magnetic Field Disruption

Second:

Saara Bindingnavele, Sounding Salutations

First:

Unal McLauchlan, The Light in the Rot: Measuring Color Light Patterns



Plant Sciences (PLNT)

First:

Abelino Benvides, Jr., The Xylem Experiment

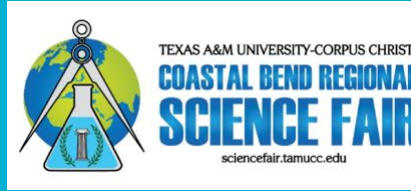


Robotics & Intelligent Machines (ROBO)

First:

Matthew Caanen, Nickolas Garcia, &
Noah Rosenbaum, Neural Evolution





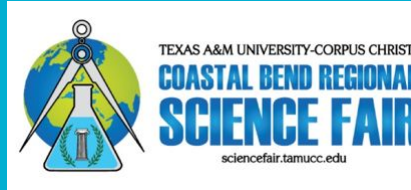
Grades 6-8 Special Awards 2024

Lemelson Early Inventor Prize

Soaham Kumar

Development of a viable, cost-effective, and sustainable solution to heavy metals pollution in water





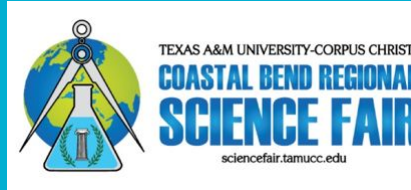
Thermo-Fisher Award

Top 10 %

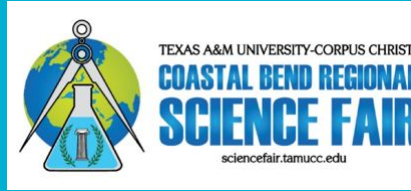
Thermo-Fisher Award

Miguel Garza	Cami Egbert	Lillianna Perez	Ryan Rocha
Chloe Valdez	Evelyn Lovelady	Taylor Coon	Evelyn Engle
Emalie Garza	Cassidy Maloney	Soaham Kumar	Christopher Holmes
Oscar Jaime Hernandez II	Luke Lamb	Jezenya Veronique Avelar	Grace Bell
Jolie Casas	Lucas Cisneros	Sophia Moreno	Chad Aguilar
	Aiden Kim	Lauren Aguilar	Dana Kim





Jr. Division Award



Future Problem Solver Award

Port of Corpus Christi

PCC Future Problem Solver Award

Chloe Valdez

Chad Aguilar

Lauren Aguilar

Jaycee Johns

Emalie Garza

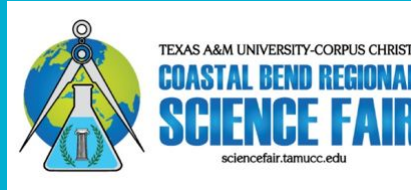
Gabriella Alvarez

Oscar Jaime Hernandez II

Lilyana Salinas

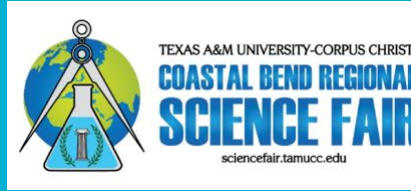
Cassidy Maloney





Luke Lamb

Chlorine and Ph Level Equality
in Corpus Christi-TX Tap Water



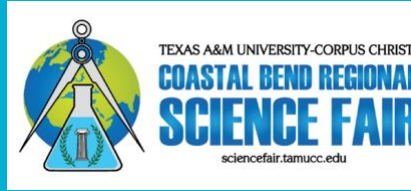
Special Awards – Senior

Regeneron Biomedical Science

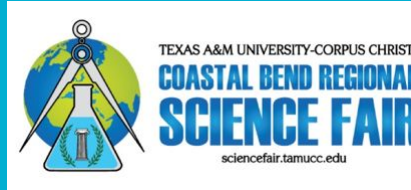
Sharmada Palakurthi

Discovery and investigation of a novel anti-platelet and cholesterol-lowering agent for prevention and treatment of cerebral stroke



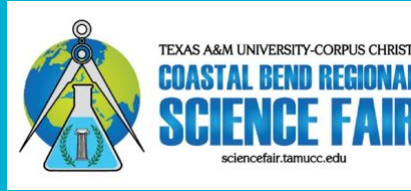


Sr. Division Award



Cuauhtemoc Zamora

Colorimetric Smart Packaging System: A Carbohydrate Based Plastic Alternative for Detecting Food Spoilage

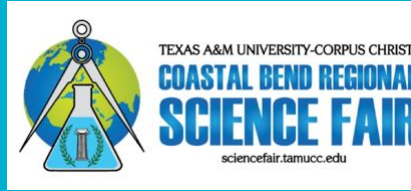


ISEF

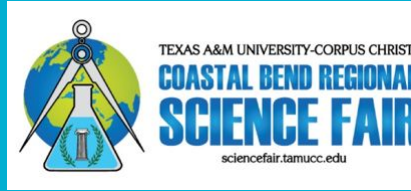
ISEF

Sharmada Palakurthi
Cuauhtemoc Zamora
1st alt: Ethan Cronkhite
2nd alt: Noah Martinez



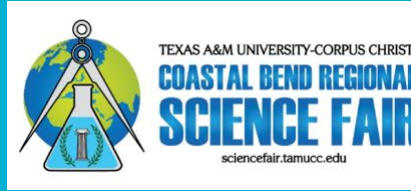


Best in Show



Sharmada Palakurthi

Discovery and investigation of a novel anti-platelet
and cholesterol-lowering agent for prevention
and treatment of cerebral stroke



Thank-You!
