

2023 WWSEF Awards

Award of Excellence

Name	Project Title
Hooman Reza Nezhad	Molten Salt Electrolysis for In-situ Reduction of Mars Regolith

Awards of Merit

Name	Project Title
Charles Martinez	The Metallic Havoc
Gurnoor Kaur	MalaScope: A Low cost Deep Learning enabled Lensless Microscope
Hooman Reza Nezhad	Molten Salt Electrolysis for In-situ Reduction of Mars Regolith
Jasmine Schneider	Biochar Modified with Water Softener Brine for Phosphate Removal
Katelyn Wu, Moulik Budhiraja	Nail Braille: A Novel Approach Towards Braille Education
Roocha Shukla	The Power that Brings Flowers
Safwan Hussain	Building a Brain Tumor Classification Model Using a CNN
Ashish Chettimada	ReAlign – Helping Restore Vision in Young Children

Best in Division Awards

Name	Project Title
Hooman Reza Nezhad	Molten Salt Electrolysis for In-situ Reduction of Mars Regolith
Katelyn Wu, Moulik Budhiraja	Nail Braille: A Novel Approach Towards Braille Education
Charles Martinez	The Metallic Havoc

Stephen J. Little Award

Name	Project Title
Carson Toonstra	Reality Check: is VR a viable medium for psychological studies?

Stepping Stone Award

Name	Project Title
Carson Toonstra	Reality Check: is VR a viable medium for psychological studies?
Felicity Banbury	Dirt Can Talk: An Analysis of Soil Samples
John Fu	A Novel Approach to Cat Classification Utilizing AI
Nadia Radwan	Examining Earthquakes

Name	Project Title
Natasha Farenhost, Helena DeGraaf	Industry and Bees
Ryan Tang, Nathan Liu	Anti Chess Engine

Best Written Reports

Name	Project Title
Avary Trindade	Bacteria Criteria
Emily Huang	Feeling Not So Scent-sational
Gwen Nguyen, Kinley Tennant	Eco Bites
Hooman Reza Nezhad	Molten Salt Electrolysis for In-situ Reduction of Mars Regolith
Ryan Tang, Nathan Liu	Anti Chess Engine

Gold Medals

Name	Project Title
Abigail Chan	Regulating Conditions and Symptoms of Digital Eyestrain
Ashish Chettimada	ReAlign – Helping Restore Vision in Young Children
Carson Toonstra	Reality Check: is VR a viable medium for psychological studies?
Charles Martinez	The Metallic Havoc
Emily Huang	Feeling Not So Scent-sational
Felicity Banbury	Dirt Can Talk: An Analysis of Soil Samples
Gurnoor Kaur	MalaScope: A Low cost Deep Learning enabled Lensless Microscope
Hala Alshrbini	Fertilizer Overload!
Hooman Reza Nezhad	Molten Salt Electrolysis for In-situ Reduction of Mars Regolith
Jasmine Schneider	Biochar Modified with Water Softener Brine for Phosphate Removal
Katelyn Wu, Moulik Budhiraja	Nail Braille: A Novel Approach Towards Braille Education
Nadia Radwan	Examining Earthquakes
Roocha Shukla	The Power that Brings Flowers
Ryan Tang, Nathan Liu	Anti Chess Engine
Safwan Hussain	Building a Brain Tumor Classification Model Using a CNN
Seif Atwa	The Search for Tatooine: Observing Binary Star Systems

Silver Medals

Name	Project Title
Anastasia Miroshnikova	Which plant reduces the most co2 levels?
Anna Rawle	Soundscape Science: Urban Sounds Becoming Noise
Avary Trindade	Bacteria Criteria
Ayra Zulfiqar	Colour Psychology
Erin Neil	Rock Paper Strategy
Esli Drummond	Heat Retention and Loss Prevention
Gwen Nguyen, Kinley Tennant	Eco Bites
Irtaza Qasim	Why do LEDs Fade as Temp increases
John Fu	A Novel Approach to Cat Classification Utilizing AI
Kalli-Ann Sevaptsidis	Linear vs Logarithmic Changes in Light: What Do We Prefer?
Kasvi Kaushik	Battling Resistance
Laila Sales	Damaging Distractions?
Mikael Sharify-Funk	Sanitizer Sterilizers!
Nabihah Ahmad	Cut the Tension
Nuha Akhand, Mariya Turetska	Inhibition of Cancer Cells Through Algae-Derived Compounds
Orin Cesarini, Aaralynn Butt	What happens to your body in space?
Saamia Khan	Confusing the Senses
Syeda Aafia Akram	Color Psychology: The Cyan-ce!
Tristan Butcher	A novel asymmetric chaotic encryption algorithm
Vera Golubitsky	Peat against Heat: Regulating CO2 levels using moss

Bronze Medals

Name	Project Title
Abdurrahman Nafees	Green Light, Red Light – Blue Light
Adelaide Machado	Filtration Station
Annie McCrea	Multi-Modal Memory
Arhona Bhadra	Adaptive Robotic Arm System for Wheelchair Assistance in Vehicle
Ben Pridham	The New Generation of Regeneration
Callie Petznick	Greenie Meanie
Carson Duldhardt	Cool Runnings
Cole Tukendorf	A-Maze-Ing Plants
Emmalee Karlikowski	Does Brand mean Better?
Eva Luccisano-Esposito	Captivating Colours
Fatimah Alarakhia	Killing Germs

Ifeoma (Ify) Okonkwo	The Silent Killers
Iris Ibrahim	Plastic to Plasma
James Pippy	Edible Batteries
Jong-Eon Kim	“Time Flies When You’re Having Fun”
Maryam Jawed	Ibuprofen Investigation
Muhammad Abdullah, Eisa Siddiqui	Hot Stuff Showdown: Which insulator wins?
Mureed Aujla	Notational Nuances: Musical Memory
Onishka Williams	Do Plants Respond to Vibrations from Music?
Phil Bergsieker, Ananth Arunkumar	The Great Height Dilemma
Rapunzel Clary-Lemon, Elsa Vagacs	Memory: Written vs Music
Sam Balkos, Noah Green	Making It Clear: Water Filtration
Sarah Jakob	Can Animals Perceive Time?
Shayla Nobels	Musical Mayhem: Comparing Genres of Music and Concentration
Tasbiha Wasim	AI on the Rise-Identifying Road Signs Using AI
Zoe Cross	The Science Behind Tempering Chocolate

Pewter Medals

Name	Project Title
Aadrika Bhakt	Einstein, Newton, and the Most Mysterious Region of Spacetime
Anaum Sohail	A Colourful Sorter
Andrew Parlea-Vuong	Wind and Wings
Arkin Cheppudira	Nature or Nutrients? A Study of the Effectiveness of Fertilizer
Ayesha Abubakr	Solving the Water Crisis
Cadenza Farina	Water Slaughter: An Analysis of Water Quality in Schools
Caitlyn Senior, Hailey Packet	Price vs. Performance
Cameron Hancock	The Art of Hacking: Into the World of Cybersecurity
David Beacock	Difference in Static Friction between various hockey tapes
Emma Schippanoski, Grace Goertz	Protein: Meat vs Veggie
Ethan Tran	Can You Hear Me? How distance and distortion affects hearing
Fatima Adeel	Got Bacteria?
Fred Hofbauer	The Building Blocks of Teamwork
Haneen Jaawan	Surface Tension/Buoyancy
James Wolf	Memory Mayhem

Name	Project Title
Janna Afifi	Chaos
Jeevithan Muhunthan	Killing Plants in an Environmentally Friendly Way.
June Liu	Monitoring Blood Sugar Levels for Diabetic Individuals
Kayana Williams	Lupus Study
Massimo Costanzo Miners	Will Sugar and Caffeine Stunt Plant Growth?
Milad Omar, Sulayman Khalid	Artificial or Human Intelligence
Moiz Hussain	Can Diabetes be Treated using Technology?
Mufarrid Ansari	The Effects of Food Spoilage on the Acidity of Food
Oliver Van Gerwen	Do Plants Need Pills?
Parker Dixon	Stain Removers
Sierra Diaconescu	Exploring Makeup Brush Cleaning Solutions
Tara Ganipur, Jessica Jin	Tragedy Of The Commons
Teagan Mason	What is your guess