

The 2024 Hawaii State Science & Engineering Fair ISEF Regional Awards

American Psychological Association

Certificate & 1-year Student Membership - Zachary Lieberman, 'Iolani School

"Influence of Exposure to Nature Stimuli on Cognition in AD/HD Adolescent Students: Blind Pilot EEG Study" (Project ID: BEHA 112)

Association for Women Geoscientists

Certificate & Honorary Membership - Austyn Bugado, Hilo High School

"Heavy Metal Contamination of Soil from Sugar Cane Farming: How Safe is the County Park?" (Project ID: EAEV 163)

Community Innovation Award

\$500 Voucher & Certificate - Chisato Tarui, 'Iolani School

"Urban Form and the Honolulu Housing Market" (Project ID: BEHA 124)

Environmental Protection Agency

Letter of Encouragement - Leilani Phan, Kalani High School

"Strengthening Natural Dyeing: A Comparative Study of Mordants for Sustainable Textile Coloration" (Project ID: EAEV 145)

Lemelson Early Inventor Prize

\$100 Cash Prize & Certificate - Vivek Varricatt, Hilo Intermediate School

"Generation of Electricity from Rain Gutter" (Project ID: EGSD 475)

NASA Earth System Science Award

Certificate & Invitation to Webinar with NASA Scientist - Makala Hayashida, Christian Liberty Academy

"Testing the Bottom-Up Formation of Galaxy Clusters" (Project ID: PHYS 223)

National Geographic Award

\$100 Award - Brie-Ann Fukutomi & Penelope Tupou, Baldwin High School

"Erosion" (Project ID: EAEV 143)

National Oceanic and Atmospheric Administration

Certificate & Letter - Michael Krog, Kalāheo High School

"Using Aquaculture to Reduce Marine Pollution and HABs" (Project ID: BCHM 110)

Certificate & Letter - Mahina Maag, Hilo Intermediate School

"The Effects of the Kaulana Mahina on the Physiochemical Parametric Statistics of Honokea loko i'a" (Project ID: EAEV 458)

Regeneron Biomedical Science Award

\$375 Cash Award & Certificate - Jaymie Frith, 'Iolani School

"The Role of DNA Methylation in the Inflammatory Response Following the Consumption of Glutamate in a Patient with Psoriatic Arthritis: A Case Study in Personalize Medicine" (Project ID: TMED 238)

Ricoh USA. Inc

Certificate - Sora Campbell, Punahou School

"Biochar Production with the Invasive Albizia Tree Species and the Impacts of Application on Nanea Plant Growth" (Project ID: EAEV 152)

Society of In Vitro Biolog

Certificate & Membership - Kendall Allman, Radford High School

"Examining Octocoral Phylogeny Through MutS and CO1 Mitochondrial Sequences" (Project ID: ANIM 102)

U.S. Agency for International Development (USAID)

Certificate, Letter, Social Media Kit - Mia Bonner, St. Andrews Schools

"How Did the Pandemic Affect People's Comfort Levels?" (Project ID: BEHA 406)

U.S. Metric Association

Certificate & Year Membership - Lauren Johnson, Mililani High School

"The Growth of Spinach in Vertical and Horizontal Hydroponic Gardens" (Project ID: PLNT 232)

United States Air Force

Package Award - Man Fung Zhuo, Kalani High School

"Connected Tandem Wing Affecting Fuel and Lift Efficiency of Different Distributions" (Project ID: ETSD 183)

Package Award - Williene Cruz, Kealakehe High School

"Optimizing Architectural Applications to Existing School Buildings to Dampen the Severity of Sound Pollution in the Classroom" (Project ID: ETSD 190)

Package Award - Kaleikaumaka Roback & Kiai Souza, Kamehameha Schools Maui

"Optimal Table Tennis Paddle Stickiness" (Project ID: MATS 196)

Package Award - Keilani Kajiyama Moses, Kahuku High & Intermediate School

"Shooting for the Stars: Using a Digital Camera to Measure Skyglow" (Project ID: PHYS 221)

Yale Science and Engineering Association

Certificate - Aaron-James Santa Cruz, Waipahu High School

"Using Computer Vision to Analyze Traffic" (Project ID: ROBO 235)