

The 2021 Hawaii State Science & Engineering Fair JR Division Best in Category

JR – ANIMAL SCIENCES (ANIM)		
1ST Place	Marisa O. Hilo Intermediate School	ANIM-6064 “Comparing the Effectiveness of Dewormer in Horses of Different Ages”
2ND Place	Jada C. Volcano School of Arts & Science	ANIM-5905 “The Effects of Anthropogenic Noise on the Bird Soundscape”
3RD Place	Tani-Lei N. Kailua Intermediate School	ANIM-5696 “A Flower and Bee’s Power”

JR – BEHAVIORAL & SOCIAL SCIENCES (BEHA)		
1ST Place	Savitri D. Island Pacific Academy	BEHA-5094 “Can Smell Affect the Flavor of Food”
2ND Place	Mia B. St. Andrew’s Priory	BEHA-5428 “How Does Background Noise Level Affect Our Concentration”
3RD Place	Denali C. Saint Theresa School	BEHA-6124 “Texting: Future Way of Communicating”

JR – BIOCHEMISTRY (BCHM)		
1ST Place	Rychelle A. Kawananakoa Middle School	BCHM-5147 “The Brand That Out-Cleans the Rest: Hand Sanitizer Effectiveness”
2ND Place	Jethro B. Calvary Chapel Christian School	BCHM-6193 “Why Doesn’t Dairy Love Me?”

JR – BIOMEDICAL & HEALTH SCIENCES (BMED)		
1ST Place	Serena D. Our Savior Lutheran School	BMED-6472 “Masking Up!”
2ND Place	Lindsey H. Hilo Intermediate School	BMED-6441 “How Does the Vitamin C Differ Between Varieties of Apples?”
3RD Place	Brenden A. Hawaii Baptist Academy	BMED-6099 “What Type of Mask Affects on Oxygen Levels the Most?”

JR – BIOMEDICAL ENGINEERING (ENBM)

1ST Place	Ella N. / Kenzie N. Kaimuki Middle School	ENBM-6157 “Blue Light Begone”
2ND Place	Chisato T. Kaimuki Middle School	ENBM-6065 “Comfort in Masks”

JR – CELL & MOLECULAR BIOLOGY (CELL)

1ST Place	Kyson N. Highlands Intermediate School	CELL-5111 “Effects of Light on Kombucha”
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JR – CHEMISTRY (CHEM)

1ST Place	Jessica N. Kahuku High & Intermediate School	CHEM-5067 “Skittles Rate of Diffusion”
2ND Place	Brett M. / Kenneth M. Our Savior Lutheran School	CHEM-6505 “Sour Candy: What Does It Do To Your Teeth?”
3RD Place	Jenna L. Highlands Intermediate School	CHEM-5099 “Absorbency of Different Brands of Paper Towel on Oil”

JR – COMPUTATIONAL BIOLOGY & BIOINFORMATICS (CBIO)

1ST Place	Yunping W. Kalakaua Middle School	CBIO-6097 “Using Bioinformatic Tools to Find if Drugs Bind Only Their Target Proteins”
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JR – EARTH & ENVIRONMENTAL SCIENCES (EAEV)

1ST Place	Lexi B. Mokapu Elementary School	EAEV-6386 “Carbon Dioxide Global Warming; Will Plants Absorbing CO2 in My Terrarium Lower Overall Temperature”
2ND Place	Keaupuni M. Saint Theresa School	EAEV-6417 “What Kind of Beaches Withstand Tsunamis Easier”
3RD Place	Gabriella T. Volcano School of Arts & Sciences	EAEV-5073 “Discharge and Deposition Honoli‘i Bay”

JR – ENERGY SUSTAINABLE MATERIALS & DESIGN (EGSD)

1ST Place	Kailani C. Niu Valley Middle School	EGSD-5404 “Natural Packing Material”
2ND Place	John C. Washington Middle School	EGSD-6377 “Hydro Power”
3RD Place	Zoe T. Iao Intermediate School	EGSD-6405 “What’s Cookin”

JR – ENGINEERING MECHANICS (ENMC)

1ST Place	William M. Island Pacific Academy	ENMC-5032 “Hurricanes vs. Houses”
2ND Place	Mia H. Highlands Intermediate School	ENMC-5110 “Effects of Variable Changes on Buoyancy”
3RD Place	Ruby C. / Kate J. / Sibel B. Kaimuki Middle School	ENMC-6302 “Corona Cam”

JR – ENVIRONMENTAL ENGINEERING (ENEV)

1ST Place	Emmaleigh M. Mokapu Elementary School	ENEV-6428 “It is Easy Being Green”
2ND Place	Tristen M. Kaneohe Elementary School	ENEV-6485 “The Recycled House”
3RD Place	Bree M. / Kaylie L. Kaimuki Middle School	ENEV “Don’t Be Bitter, Help Pick Up Litter”

JR – MATERIAL SCIENCES (MATS)

1ST Place	Keisuke K. Washington Middle School	MATS-6318 “Would You Like a Cool Mask?”
2ND Place	Brayden C. Aikahi Elementary School	MATS-6454 “What is the Best Natural Fiber to Substitute Plastic Fishing Line?”
3RD Place	Leya V. Hilo Intermediate School	MATS-6445 “Fumigation with Natural Substances: An Effective Method to Eliminate Avocado Lace Bugs (Pseudocysta perseae)”

JR – MICROBIOLOGY (MCRO)

1ST Place	Maiah O. Highlands Intermediate School	MCRO-5135 “Effect of Diakon on Kimchee pH”
2ND Place	Ayaka Y. / Mau U. Kaimuki Middle School	MCRO-5679 “The Carriers of Bacteria”

JR – PHYSICS & ASTRONOMY (PHYS)

1ST Place	Julia C. Kahuku High & Intermediate School	PHYS-5095 “Sound Wave Reflection”
2ND Place	Holden S. / Wilson C. Maui Waena Intermediate School	PHYS-6353 “Analysis of the LD2 Asteroid and its Transformation”
3RD Place	Alexander W. Kahuku High & Intermediate School	PHYS-5080 “Double Rocket Engines”

JR – PLANT SCIENCES (PLNT)

1ST Place	Cooper W. Iao Intermediate School	PLNT-5604 “Can Plants Really Grow on Mars?”
2ND Place	Victoria B. Niu Valley Middle School	PLNT-5258 “The Dirt on Vermicast”
3RD Place	Siena W. Kailua Intermediate School	PLNT-6020 “Hydroponics vs Regular Farming, Which System Works Best?”

JR – ROBOTICS & INTELLIGENT MACHINES

1ST Place	Sienna B. Kailua Intermediate School	ROBO-5756 “Robo Chef”
2ND Place	Isaac H. Calvary Chapel Christian School	ROBO-6195 “Prosthetic Finger”