

Hawai'i Academy of Science
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**62nd Hawai'i State Science & Engineering Fair
April 8-10, 2019 at the Hawai'i Convention Center
GRAND AWARDS**

SENIOR DIVISION

Top Overall State Winners:

1st Place

KĀ'EO KEKUMANO, Grade 11, Kamehameha Schools, Kapalama: "Sea Cucumber (Holothuria sp.) Extracts Inhibit the Growth of HCT116 Colon Cancer, HeLa Cervical Cancer and MCF-7 Breast Cancer Cells"

2nd Place

MIN HUA (CINDY) TSOU, Grade 12, Mililani High School: Designing an Algae-Immobilized Membrane Bioreactor for Wastewater Bioremediation and High-Density Algae Cultivation

3rd Place

STEPHANIE YOSHIDA, Grade 10, Punahou: Probing Stellar Remnant for Planet Candidate; Analysis of K2 Target 251248385

Best In Category:

Animal Sciences (ANIM)

1st: **ASLAN COOK**, Grade 12, Kamehameha Schools, Kapalama

2nd: **KYANI UCHIMURA**, Grade 12, Iolani School

3rd: **LILY EVANS**, Grade 12, Kamehameha Schools, Kapalama

Behavioral & Social Sciences (BEHA)

1st: **ANASTASIA B DEL BANCO; KAITLYN M WHITE**, Grade 10, Kapolei High School

2nd: **ALLIAH B MUNOZ**, Grade 11, Campbell High School

3rd: **IZABELLA SAKODA**, Grade 12, Iolani School

Biochemistry (BCHM)

1st: **MADISON KAI**, Grade 11, Iolani School

2nd: **MEILIN BUCHER**, Grade 11, Mililani High School

3rd: **AIDEN REYES**, Grade 10, McKinley High School

Biomedical and Health Sciences (BMED)

1st: **NALANI MILLER**, Grade 12, Kamehameha Schools, Kapalama

2nd: **KELLY MASAKI**, Grade 11, St. Andrew's Priory

3rd: **TRACEE NGUYEN**, Grade 9, McKinley High School

Cellular & Molecular Biology (CELL)

1st: **KĀ'EO KEKUMANO**, Grade 11, Kamehameha Schools, Kapalama

2nd: **RYAN T NGUYEN**, Grade 10, Kaiser High School

3rd: , ,

Chemistry (CHEM)

1st: **ANNA GRONDOLSKY**, Grade 11, Kamehameha Schools, Kapalama

2nd: **ISAAC HWANG**, Grade 11, McKinley High School

3rd: **RAESON OKUMURA; LEESON OKUMURA**, Grade 11, Mililani High School

Computational Biology and Bioinformatics (CBIO)

1st: **SETH HONDA**, Grade 11, Iolani School

2nd: **BRANDON A NGUYEN**, Grade 11, Kaiser High School

3rd: **GERALD DEAN A DURANGO**, Grade 12, Kailua High School

Earth and Environmental Sciences (EAEV)

1st: **JARED JK GOODWIN**, Grade 10, Kalani High School

2nd: **ALEXANDRA E RUFF; KEA E CLEBSCH; JASMIN KIM**, Grade 9, Kealakehe High School

3rd: **BARRETT B WHITESELL; SUNIA L AKAVEKA**, Grade 12, Kalaheo High School

Embedded Systems (EBED)

1st: **KATRINA S KUO**, Grade 12, Kalani High School

2nd: **SAMUEL M CADOTTE**, Grade 12, Kalaheo High School

3rd: **SEAN T BOCIRNEA**, Grade 12, Kaiser High School

Energy: Chemical (EGCH)

1st: **IAN HENRY C. ACOSTA**, Grade 12, Waipahu High School

2nd: **JADE ENGSTROM; DESTINY SUMILE**, Grade 10, Mililani High School

3rd: , ,

Energy: Physical (EGPH)

1st: **ASHLEE MEI C. BALIGNASAY**, Grade 12, Waipahu High School

2nd: **LUKE SCHWAB**, Grade 12, Moanalua High School

3rd: **TAYLOR FUKUNAGA; JANELLE CARLOS**, Grade 9, Waipahu High School

Engineering Mechanics (ENMC)

1st: **DYLAN T. TUCKER**, Grade 12, Waipahu High School

2nd: **NENA ZOEY NICOLE O SALVADOR**, Grade 12, James Campbell High School

3rd: **HALEY M LENANDER**, Grade 11, Kaiser High School

Environmental Engineering (ENEV)

1st: **ALEXANDER K BELL; EVAN CURRY; NICHOLAS K WHITE**, Grade 10, Kealakehe High School

2nd: **CAMRY GACH**, Grade 9, Seabury Hall

3rd: **MIN HUA (CINDY) TSOU**, Grade 12, Mililani High School

Materials Science (MATS)

1st: **JAKE UYECHI**, Grade 12, Kamehameha Schools, Kapalama

2nd: **JEWEL L GARCIA**, Grade 11, Campbell High School

3rd: **KENDAL K OYA**, Grade 12, Waipahu High School

Mathematics (MATH)

1st: **BENJAMIN P WEISS**, Grade 12, Kalaheo High School

2nd: **WILLIAM HO**, Grade 10, Kamehameha Schools, Kapalama

3rd: , ,

Microbiology (MCRO)

1st: **LELA C DEVINE**, Grade 10, Waiakea High School

2nd: **SIENNA E MARTINEZ; AMÉLIE Y AVIÑA**, Grade 11, Kailua High School

3rd: **ALAYSIA NAVOR; ALLISON CADIZ; NICOLE MATSUSHIGE**, Grade 11, Kauai High School

Physics and Astronomy (PHYS)

1st: **STEPHANIE YOSHIDA**, Grade 10, Punahou

2nd: **JORDAN VAUGHN**, Grade 11, Maui High School

3rd: **ZACHARIAH TEAGARDEN**, Grade 9, King Kekaulike High School

Plant Sciences (PLNT)

1st: **TAYLOR MONIZ**, Grade 10, Kamehameha Schools, Kapalama

2nd: **BREA SWARTWOOD**, Grade 11, Mililani High School

3rd: **KELCI M HOOKER**, Grade 12, Kailua High School

Robotics and Intelligent Machines (ROBO)

1st: **ETHAN CHEE**, Grade 12, Moanalua High School

2nd: **GAYOUNG PARK; MINSUB SONG**, Grade 9, Kealakehe High School

3rd: , ,

Systems Software (SOFT)

1st: **JASMINE M CADOTTE**, Grade 9, Kalaheo High School

2nd: **INA KLASNER**, Grade 12, Hilo High School

3rd: **JARREN P CALIZO; KELII A MCCRARY**, Grade 12, Waipahu High School

JUNIOR DIVISION:

Top Overall State Winners:

1st Place

NOLAN E. HAISLER, Grade 8, Washington Middle: **Acoustic Levitation**

2nd Place

NATALIE KUO, Grade 8, Niu Valley Middle: **Driving Safety Aid**

3rd Place

MIRA TSUNODA, Grade 8, Kaimuki Middle: **Say What?!**

Best In Category:

Animal Sciences (ANIM)

1st: **RILEY REGAN**, Grade 8, Iolani School

2nd: **MEI K. A. ROSA**, Grade 8, Stevenson Middle School

3rd: **IRIE H SAKAI**, Grade 8, Hilo Intermediate School

Behavioral & Social Sciences (BEHA)

1st: **MIRA TSUNODA**, Grade 8, Kaimuki Middle

2nd: **JAXON K POENTIS**, Grade 8, Kawanānakoā Middle

3rd: **CHRISTA MAE S QUELNAN**, Grade 8, Kalakaua Middle

Biochemistry (BCHM)

1st: **KIMI YOKOYAMA**, Grade 8, Mid-Pacific Institute

2nd: **PEILIN WU; JIAYING CAO; STEPHANIE Y ZHANG**, Grade 8, Stevenson Middle School

3rd: **NOELANI BRENNAN**, Grade 6, Kaelepulu Elementary School

Biomedical and Health Sciences (BMED)

1st: **RACHEL Z TAO**, Grade 8, Waiākea Intermediate School

2nd: **LIAN K FOUSE**, Grade 8, Kaimuki Middle

3rd: **DANICA REIGNE ILAGA**, Grade 8, Waipahu Intermediate

Cellular & Molecular Biology (CELL)

1st: **TAARINI GODBOLE**, Grade 8, Hilo Intermediate School

2nd: **AGOS CHEYDON**, Grade 7, Waipahu Intermediate

3rd: **GALAPON KRISTEN**, Grade 7, Waipahu Intermediate

Chemistry (CHEM)

1st: **TIMOTHY SHIMIZU**, Grade 8, Niu Valley Middle

2nd: **RACHEL SHIMABUKURO**, Grade 8, Niu Valley Middle

3rd: **TEVIN MS ATWAL**, Grade 8, Waiākea Intermediate School

Computational Biology and Bioinformatics (CBIO)

1st: , ,
2nd: , ,
3rd: , ,

Earth and Environmental Sciences (EAEV)

1st: **ELIZABETH K O'SHEA**, Grade 8, Kahuku High And Intermediate
2nd: **ANASTASIA MORSE**, Grade 8, Mid-Pacific Institute
3rd: **NICOLE LEAHY; MATTEA CIBOCH**, Grade 7, Niu Valley Middle

Embedded Systems (EBED)

1st: **KAE-SN CHANG-SCHULTZ**, Grade 8, Hawaii Baptist Academy
2nd: **LAURYN F TRADER**, Grade 8, Stevenson Middle School
3rd: **ROZAFAN MAKANANI**, Grade 8, Stevenson Middle School

Energy: Chemical (EGCH)

1st: **HALEY A.C JEONG**, Grade 6, Maunawili Elementary
2nd: **RAGMAT DOMINIQUE**, Grade 7, Waipahu Intermediate
3rd: , ,

Energy: Physical (EGPH)

1st: **ELLA CHAPMAN**, Grade 8, Kailua Intermediate School
2nd: **TUCKER HILLS**, Grade 7, Kailua Intermediate School
3rd: **LEILA LEANO**, Grade 6, Pearl Harbor Christian Academy

Engineering Mechanics (ENMC)

1st: **NOLAN E. HAISLER**, Grade 8, St. Andrew's Priory
2nd: **MYA THORNTON**, Grade 8, Kailua Intermediate School
3rd: **MICHAEL QUINN**, Grade 8, King Intermediate

Environmental Engineering (ENEV)

1st: **ANGELA YU**, Grade 8, St. Andrew's Priory
2nd: **MAXWELL NIEMANN**, Grade 6, Kainalu Elementary School
3rd: **SAMANTHA BROFF**, Grade 8, Kailua Intermediate School

Materials Science (MATS)

1st: **JESSICA CHEN**, Grade 8, St. Joseph School
2nd: **LEO JOHNSON**, Grade 6, Sunset Beach Elementary
3rd: **AIMEE Y OKAGAWA; MISA KUROYANAGI**, Grade 7, Niu Valley Middle

Mathematics (MATH)

1st: **EUNCHONG L KIM**, Grade 8, Hilo Intermediate School
2nd: , ,
3rd: , ,

Microbiology (MCRO)

- 1st: **ABIGAIL C KEITH**, Grade 6, Waiakea Intermediate School
- 2nd: **ETHAN J UEHARA**, Grade 8, Stevenson Middle School
- 3rd: **RILEY KAAI**, Grade 6, Puohala Elementary

Physics and Astronomy (PHYS)

- 1st: **HOLDEN F SUZUKI; WILSON CHAU**, Grade 6, Maui Waena Intermediate
- 2nd: **ANICA ANCHETA**, Grade 7, Iao Intermediate School
- 3rd: **PRISCILLA MATTHEWS**, Grade 7, Kauai High School

Plant Sciences (PLNT)

- 1st: **KAI S CHUN**, Grade 8, Hilo Intermediate School
- 2nd: **OCEAN I HILTON**, Grade 7, St. Joseph School
- 3rd: **RIVER PARLOW**, Grade 6, Sunset Beach Elementary

Robotics and Intelligent Machines (ROBO)

- 1st: **NATALIE KUO**, Grade 8, Niu Valley Middle
- 2nd: **JASON T WALSTON; MICHAEL D BALLESTEROS**, Grade 8, Kalakaua Middle
- 3rd: **DYLAN NICHOLS; IAN NOMURA**, Grade 8, Moanalua Middle School

Systems Software (SOFT)

- 1st: **CINDY MO**, Grade 8, Kawananakoa Middle
- 2nd: , ,
- 3rd: , ,