

Central Sound Regional Science and Engineering Fair 2019

Special Awards

American Institute for Aeronautics and Astronautics		
Cameron Ferguson	Mountlake Terrace	Wind and Wave Recreation Tunnel Testing the Concept of Wing-in-Ground Effect Vehicle with Angle-of-Attack Wings
Isabela Cenicerros	Kamiak	Analysis of Grid Geometry on Ion Engine Output Thrust
Mathias Foster	Tesla STEM	Development of a Perpetual Solar-Powered Blimp to Aid Urban Search and Rescue

American Psychological Association		
Madison Messina Eden Netz	Tesla STEM	Assessing the Effects of Posting Publicly on Social Media in Correlation to Anxious Sleep Patterns in Teenagers

ASM Materials Education Foundation		
Mintra Frazzini	Tesla STEM	Engineering Environmentally Friendly Sunscreen Using Metal Organic Frameworks

Association for Women Geoscientists		
Darby Moore Abbi Russell	Ballard	Improving Data Collection Buoy Design and Sustainability

Bellevue College Foundation Scholarship		
Alexander Mous	Homeschool	Bigger, Better, Faster: Designing and Building an Improved Budget 3D Printer

Inspiring Excellence Award		
Roshni Srikanth	Tesla STEM	App to Improve the Mental Health of Refugees
Ariana Tucker	Forest Ridge	Mouse Visual Cell Stimulus While Looking at Different Types of Images
Meredith Hillier	Newport	Stimulating gamma brain waves via the visual system using flashing LED lights
Brenna Mohagen	Mountlake Terrace	Portable and Hands Free Fall Prevention Device
Eshika Saxena	Interlake	Early Detection of Lung Cancer from Hidden Gist Signals in CT Scans with Deep Neural Networks and Transfer Learning
Sagarika Samavedi	Interlake	Evaluating Available Fresh Water Resources Using Remote Sensing Methodologies
Alexander Mous	Homeschool	Bigger, Better, Faster: Designing and Building an Improved Budget 3D Printer
David Hyun	Henry M. Jackson	Disaster Supply Robot

Intel Excellence in Computer Science

Gabriella Lui	Newport	Fully-Automated Real-Time Precise Student Location Tracking Safety Systems
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Mu Alpha Theta

Christine Ye	Eastlake	Applications of Helium-4 Doubly Forbidden Singlet-Triplet Transition Lines in Astronomical Spectroscopy
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NASA Earth System Science

Sagarika Samavedi	Interlake	Evaluating Available Fresh Water Resources Using Remote Sensing Methodologies
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National Oceanic and Atmospheric Administration

Elsa Rediger Alice Brashers	Ballard	Ocean Cleanup Project
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Office of Naval Research

David Hyun	Henry M. Jackson	Disaster Supply Robot
Sunya Mohammed	Tesla STEM	Implementing Eye-Tracking Technology For The Advancement Of Driver Training
Gabriella Lui	Newport	Fully-Automated Real-Time Precise Student Location Tracking Safety Systems
Alex Jackson	Mountlake Terrace	Mushroom Identification App Based on Morphological Taxonomy

Ricoh Sustainable Development

Elisabeth Berger	Tesla STEM	Powering a Solid State Fermenter with Compost Cogeneration to Produce Spores for Use as a Mycopesticide
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Society for In Vitro Biology

Anusha Srivastava	Tesla STEM	Assessing the Apoptotic Effect of the Bacteriocin Nisin on Metastatic Breast Cancer Cell Viability
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Stockholm Junior Water Prize

Sagarika Samavedi	Interlake	Evaluating Available Fresh Water Resources Using Remote Sensing Methodologies
Iris Bordman Alyssa Hawkins	Vashon Island	Drone Attachment With Water Sample System (DAWWSS)
Elsa Rediger Alice Brashers	Ballard	Ocean Cleanup Project

US Air Force Science and Technology

Isabela Cenicerros	Kamiak	Analysis of Grid Geometry on Ion Engine Output Thrust
Alec Baines	Mountlake Terrace	Un-Pressurized Twin Turboprop Aircraft for Rural, Bush, and Small Aircraft Jobs to Accommodate Extra Cargo

US Metric Association

Isabela Cenicerros

Kamiak

Analysis of Grid Geometry on Ion Engine Output Thrust

WSSEF Outstanding Project Achievement Award

Akshay Murthy

Tesla STEM

GreetSense: A Facial Recognition and Obstacle

Yale Science and Engineering Association

Caroline Wu

Newport

An Actively-Switched Electro-Optical Laser Pulsing System for Practical Applications