

SLCSD Science & Engineering Fair Senior Division Awards 2023

Thank you to all of our students who participated!

Senior Medicine, Health Sciences, & Biomedical Engineering			
1st Place	Angela Zhou	Natural Antibiotic Resistance in Environmental Microbes	West

Senior Earth & Environmental Sciences			
1st Place	Andrew Yrungaray	Stopping GLC Dust with soil binders.	Salt Lake Center for Science Education
2nd Place	Hazel Wilde	The Effect of the Changing Climate on Temperature Stressors for Ochotona Princeps	Salt Lake Center for Science Education
3rd Place	Nina Zhu	The Effects of Climate Change on Bacterial Growth in Natural Water Systems	West

Senior Electrical Engineering			
1st Place	Anda Xie	RecyclEDU	West

Senior Plant Sciences			
1st Place	Isabella DeLagerherim	Creating Soil Stability on The Great Salt Lake Utilizing Biosolids	Salt Lake Center for Science Education

2nd Place	Robert Altman	Observed Effects that Copper has on the Development of Lactuca Sativa	Salt Lake Center for Science Education
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Senior Physics, Astronomy, & Math

1st Place	Sasha Acevedo, Castle Kishbaugh	Time Crystals	Salt Lake Center for Science Education
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Senior Biology & Microbiology

1st Place	Saathvik Pai	The Effect of GRIN2B Deficiency on Dendrite Morphology	West
2nd Place	Megan Tandar	A Fluorogenic-Based Assay to Measure Chaperone Mediated Autophagy Activity in Cells and Tissues	West
3rd Place	Tanvi Bandiatmakur	What is the effect transfecting CHO cells with the proteins Magi-1 and Kirrel-3?	West

Senior Computer Science & Applied Computational Methods

1st Place	Alex Hernandez, Cole Chu	Action Detection to Translate ASL (American Sign Language)	West
2nd Place	Eva Dvoretzky, Bala Naga Sahasra Tella	An Early Diagnosis of Alzheimer's using Machine Learning	West
3rd Place	Shurik Rajeev	Detecting Mutations in the Human Genome Through K-mer Counting	West

Senior Civil & Environmental Engineering			
1st Place	Krishnam Goel	Harmful Algal Blooms Threaten Global Surface Water Sustainability - an ecosystem based study	West

Senior Honorable Mention			
Joshua Willardsen, Brian Schlissman	Constructing or destructing our planet		Salt Lake Center for Science Education
Caroline Cook	High School Students, Abortion, and Birth Control		Salt Lake Center for Science Education
Stephanie Than	Submicroscopic infectious agents in affect to the cellular membrane		West
Hanxiao Shi	Enhancing Social/Financial Fairness via Adversarial Machine Learning with Big Data		West
Mingchuan Cheng	Using a Natural Language Processing Model for Contextual Gender Bias Detection		West