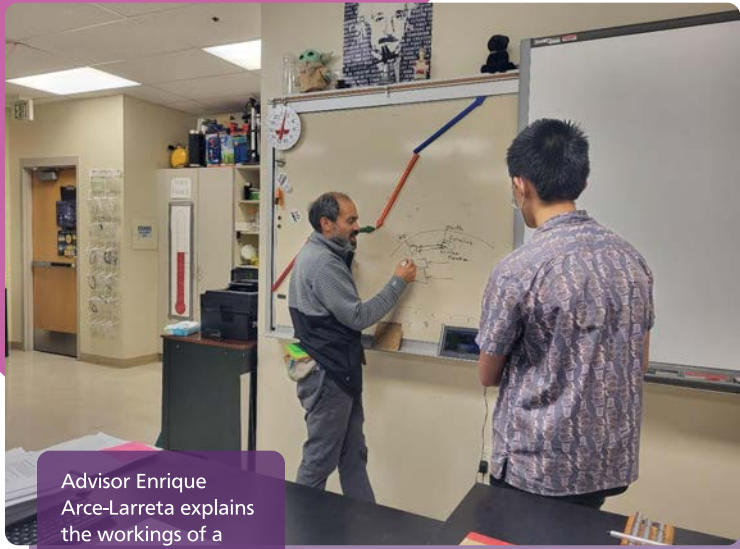


BEAMLINE

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CLUB
SPOTLIGHTS



Advisor Enrique Arce-Larreta explains the workings of a particle beam to Anda Xie (10).



From left to right: Fiona Zara (12), Natalie Germanov (12), Enrique Arce-Larreta (advisor), and Cole Chu (12) set up cosmic ray detectors for a muon experiment.

Short for Beamline for Schools, this club mainly focused on learning about particle physics. Students would develop and write an experimental proposal and submit it to CERN, the European Organization for Nuclear Research, one of the world's largest and most respected centers for scientific research located in Switzerland, for it to be potentially tested there. "I really loved the teacher too, and she got into a little about particle physics and more molecular-based physics, and that was really interesting to me, so I joined her club." said Natalie Germanov (12). Beamline students had many opportunities to develop their scientific discoveries, teamwork, and curiosity in physics!

ROCKETRY



Ryan Chowdhury (7) assembles the fins for his rocket.



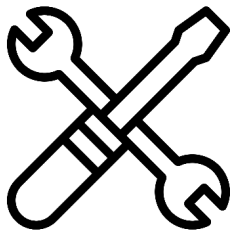
Left to right: Anvith Rangini (7), Rithvik Ravishankar (7), Ethan Black (7)



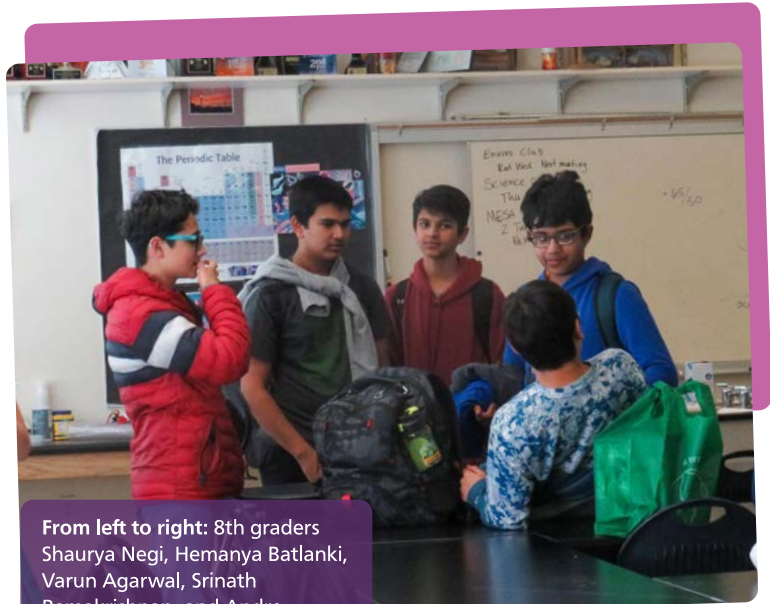
SPACE MONKEYS

In Space Monkeys, students designed experiments to be tested in microgravity, and submitted them to NASA to potentially be tested in aboard the International Space Station (ISS). Space Monkeys was open to all and helped students through the steps of making professional proposals. "I wanted people who were intimidated by other science clubs to have a place here we can just learn about it step by step," said student leader Aadhi Umamageswaran (10).

Building and launching rockets was an educational, safe and exciting hobby enjoyed by thousands worldwide. "The environment is great. It's definitely challenging you know. Building rockets isn't easy. It gets complicated and you are bound to fail a few times," said club president Aidan Yu (11). Rocketry held many challenges this year, but they always persevered and pushed to the top. Teamwork was especially important. Working together and good communication was what held Rocketry Club together.



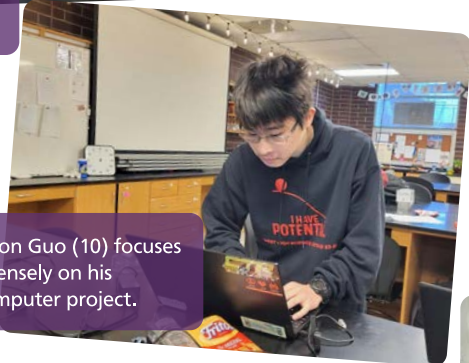
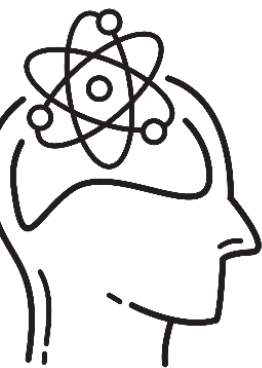
MESA



From left to right: 8th graders Shaurya Negi, Hemanya Batlanki, Varun Agarwal, Srinath Ramakrishnan, and Andre Hurtado-Angeles (seated).

MESA was a club that focused mainly on engineering. Gadgets and other electronics were made by this club. MESA had goals of teamwork and flexibility. "I joined MESA because it sounded fun and it was on a day that I could do it, but now it's just really fun," said Aliya Glodowski (8). MESA was extremely welcoming to all, no matter someone's skill level. It was an amazing environment to be in. Even if you had no idea what STEM was, they were always excellent at supporting new members and making sure you felt at home in the club. In the spring, the club traveled together to the Lagoon amusement park to compete in a statewide engineering competition.

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Jason Guo (10) focuses intensely on his computer project.

SCIENCE OLYMPIAD

Science Olympiad was a club that competed in scientific events for more hands on or better understanding of the sciences they were interested in. It was coached by Ms. Crystal King. They had different types of events, building and studying events. "For most of your events you're going to have a partner. For build events you're going to have build whatever you're building together. If it's a study event both of you are likely to tackle different aspects of the event you're studying for" said Aadarsh Kuberan (11). There were district, state, and national events. State and nationals were overnight trips and members traveled to compete in these events.



Meghna Kulkarni (8), left, and Bianca Noyes (8), right, examine their popsicle stick wooden bridge.

Left to right: Aadhi, Krishnam, Aidan, and Mingchuan show off their awards from USEF. Credit: Enrique Arce-Larreta



SCIENCE FAIR

West High students were very successful at the 2024 Utah Science & Engineering Fair! Krishnam Goel (11) took home the GENIUS Olympiad and Stockholm Junior Water Prize for his work on toxic algal blooms. Mingchuan Cheng (11), Aidan Yu (11), and Aadhi Umamageswaran (10) advanced to the International Science & Engineering Fair (ISEF) for their research in prosthetics, sugars in drug design, and identifying animals by their sound patterns, respectively.