



Monthly Newsletter

STEM CENTER

JUNE 2018

LRC 115

(619)388-5660

Summer Hours: M–Th 8:30 am - 6:00 pm

sdmesa.edu/conexiones

STEM COMMUNITY SCHOLARS FIELD TRIPS

- Inova Diagnostics
- SCST inc.

STEM STUDENT SPOTLIGHT

STEM Peer Mentors

MESA HACKS:

A sustainable living
themed hackathon

SIDE-GIG:

Summer camp hosted
with TreoBytes

MEET OUR TEAM

Helen Trejo



Courtesy of Alexander Beltzer-Sweeney

STEM COMMUNITY SCHOLARS FIELD TRIPS

On June 1st, STEM Community Scholars went on their last field trip. Scholars arrived on campus at 8 am went on a 7 hour expedition. They toured both Inova Diagnostics and SCST Inc.

Inova Diagnostics

"The tour of Inova Labs was an experience I will always remember. The technologies that were being developed and the processes used in house inspired me to consider other STEM fields that I had not thought of before. I look forward to engaging with companies like Inova in the future and enjoyed the opportunity they extended Mesa College."

- Alexander Beltzer-Sweeney



"A GLOBAL MARKET LEADER IN
AUTOIMMUNE DIAGNOSTICS"



**Inova
Diagnostics**

A Werfen Company

SCST Inc.

"It was great to see all the science that takes place before construction.

For example, before this field trip I had no idea civil engineers had to test underground soil before they could proceed to build constructions on top. So in that way it was an eye opening experience and an introduction to a new STEM field. "

- Kasra Askari



"QUALITY SERVICES AND
ENGINEERING EXCELLENCE"

MEET OUR TEAM:

Helen Trejo



Helen Trejo joined the STEM Conexiones team as an Instructional Assistant in the STEM Center this summer.

She completed her Bachelor's in Design at UC Davis, and attended Cornell University to receive her Master's of Arts and PhD in Fiber Science & Apparel. She is excited to join the team to support Mesa College students and share resources that can help them pursue their academic dreams.

Helen published her research in peer-reviewed journals including Fashion Practice: The Journal of Design, Creative Process & the Fashion Industry in 2017, as well as the Journal of Textile Design Research & Practice in 2018.

To learn more visit: www.helenxtrejo.com

STEM STUDENT SPOTLIGHT

This month we are highlighting some of our
STEM Peer Mentors!

Leo Rauthase
STEM Peer Mentor
Computer Science



Jake Connors
STEM Peer Mentor
Bioengineering



Bronwen
Drummond
STEM Peer Mentor
PreMed



Tell us about your recent accomplishments to be featured in the STEM Center Newsletter and #STEM Student Spotlight! Contact Katherine Solchaga at ksolchaga@sdccd.edu for more information.



MESAHACKS: A SUSTAINABLE LIVING THEMED HACKATHON

On June 1st, 2018, the Computer Science Club hosted Mesa College's first ever hackathon, MesaHacks. The event's theme this year focused on sustainable living.

A hackathon is an event in which programmers, designers, and more come together to collaborate on the development of a product. Over the duration of the event, students will learn about new technologies and build connections with others along the way.



The event was made possible by a partnership with the Miramar Computer Science Organization, and sponsorship by Mesa's Interclub Council, Associated Students, IEEE, NPD, Nordson Asymtek and Sticker Mule. As well as generous donations from Chipotle.



One of the winning teams, Poo Crew received 5 Google Home Minis and 5 \$80 Amazon Gift Cards. Their project focused on reducing toilet water waste. To view prizes and winning teams visit www.mesahacks.devpost.com

The Computer Science Club hopes to host hackathons annually. For more information on MesaHacks visit www.mesahacks.io

SIDE-GIG: A SUMMER CAMP HOSTED W/TREOBYTES

From June 25 to June 29, San Diego Mesa College hosted the SIDE-GIG summer camp as a partnership with Treobytes, a 501 c nonprofit.

Their mission is to "make technology accessible to kids, especially those in underprivileged areas".

At this camp middle school students from 5th to 8th grade were immersed in STEAM projects.



Mesa College computer science and engineering students volunteered and were put in different tracks with the middle school students. The three tracks available included programming, drone piloting, 3D printing and computer building.



At the end of the four day experience, campers presented the work they had done accomplished to their parents and to members of the Mesa College community.

For more information on TreoBytes and their upcoming camps visit www.treobytes.com



SUMMER STEM CENTER TUTORING

STEM Center walk-in tutoring is available Monday through Thursday this summer.*

Monday: up to Math 252, CISC 190, Geology 100, Bio

107, 210A, 210B, up to Chem 200, Physics 195

Tuesday: up to Math 255, Chem 100,152, up to

Physics 197, Stats, Bio 210A

Wednesday: up to Math 151, ENGE 200, Chem 100,

152, CISC 190

Thursday: up to Math 150, ENGE 200, Phys 125, 126,

195, CISC 190, Bio 107, 210A, 210B, up to Chem 200

For a detailed list of subjects offered per hour, please visit the STEM Center front desk.

*Disciplines subject to change.

SUMMER HOURS

M-TH: 9:00am-5:30pm

STUDENT RESOURCES

- Laptops for check-out
- Models & equipment for study
- Certified STEM tutors
- Lounge area
- Desktop computers with STEM software
- Graphing calculators for check-out
- Course textbooks for check-out
- Group study tables & white boards



www.sdmesa.edu/stemcenter

Questions about the STEM Conexiones?

CONTACT US!

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