

## MEETING MINUTES – FEBRUARY 9, 2023

### Roll Call

Committee Members - BJ North, Sesh Commuri, Steve Reid, Robert Chisel, Edward Estipona, Marissa Brown, Joseph Greco, Mindy Lokshin

College Representatives – Dr. Karin Hilgersom, Kiah Beverly, Dr. Amy Cavanaugh, Tina May, Chanikan Buntha, Gretchen Sawyer, Devin Reese, Dr. Ayodele Akinola, Dr. Jeffrey Alexander, Estela Gutierrez, Elena Bubnova, Melissa Olsen

Guests - AJ Long, Denielle Olivia, Joshua Knight, Angela Quick, Dr. Louis Rubbo, Tim III

Quorum was not established

### Public Comment

There were none.

### Approval of Minutes

Quorum was not established and meeting minutes will be voted on at the next meeting.

### President's Update

Dr. Karin Hilgersom provided a brief update on TMCC enrollment and the Governor's budgets. It was noted that Spring enrollment is looking good and is continuing to trend upwards. It was also stated that the Governor's budget is looking very hopeful for TMCC. We will continue to update the IAC as additional information becomes available.

Dr. Jefferey Alexander provided a brief update on our apprentice programs. Highlights from the update are below:

- TMCC has a long-standing Trade Union apprentice program that involves a dozen different professional trades. These apprentices are employed by the trade unions. Student apprentices are paid and they receive benefits. They are also concurrently enrolled in college. Some pursue a skill certificate, others carry on to a certificate of achievement, and a good many more proceed to an Associate of Applied Science, a two-year degree.
  - We currently have 75 students pursuing the AAS, which is our largest number yet.
  - We currently have almost 300 students pursuing the skill certificate or the certificate of achievement.
- We also have unregistered company apprenticeships and our biggest partner right now is Panasonic. Panasonic, together with TMCC, was recently the recipient of a \$1.6 million GOED grant.
- In addition, we also have two programs with Tesla. The Tesla START Manufacturing Program and the Tesla START Quality. These two programs each have 30 students in them at present. Additionally, Tesla is expanding their education program to include any employee who wishes to take part in the advanced start training program.

### Constituency Updates

Dr. Amy Cavanaugh – Faculty Senate President

Provided updates from Faculty Senate. They are working on many new policies. Including a new evaluation tool, **appropriate review of online courses, and salary advancements.** They have also aligned with the Governor's suggested COLAs and are excited to get more information on this topic.

Tina May – Classified Council President

Provided updates on behalf of the Classified Council. They are working with professional development to plan the Classified Council Symposium. This year the event's going to center around staff empowerment and will happen in July.

Chanikan Buntha – Student Government Association President

Provided SGA updates. She recently stepped in for John Fenton who resigned as President in January. They also have a new Vice President, Brayson Gomez. They brought on two new senators. This semester they are focusing on outreach and building better connections with the students. They are looking to make the office a more inviting environment so students can come hang out and interact with the SGA and learn more about what they do in their roles.

## Presentations

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Elena Bubnova provided a presentation on the legislative session. See attachments at the end for more information.

Highlights from the presentation are below:

- The 82nd Nevada State Legislative Session started on February 6<sup>th</sup> and is scheduled to go until June 5<sup>th</sup>.
- This year, the format of the session is in-person, unlike the previous session which was online.
- According to the existing NSHE policy, the Regents are the main spokespersons for the entire higher education system in the state. Typically, the Chancellor, the Chief Financial Officer for the system, and the Chair of the Board of Regents would go in front of committees and testify often times on behalf of NSHE.
- However, President Hilgersom is a powerful spokesperson for the college and will attend many meetings regarding NSHE and our institution as well.
- We have a couple legislative priorities this session. The first is budget. We sustained some pretty severe budget cuts during the pandemic. This session will be heavily focused on budget recovery.
- The second priority is Workforce Investment. The legislature proposed Capacity Enhancement Funding that would fund our efforts in this space. Essentially, funding any program that will generate enrollment in workforce development.
- Another priority, specifically for TMCC in this upcoming session, is enrollment recovery. As a community college we got hit hard during the pandemic and were disproportionately impacted by the pandemic as it was a count year and our students were essential workers on the front line.
- We are also focused on capital maintenance and projects, like EastView.
- And finally, staff retention. We are looking to find ways to ensure that we stay competitive in the market so we can recruit and retain a strong workforce at the college.
- Two important notes, the Governor will be putting together a formula funding study and 60% of the students at UNR have community college credits.

A legislative flyer was provided in the meeting and is attached here. Elena encouraged the group to use this flyer to advocate for the college. BJ North supported this idea and reminded the group that it is important to make our voices heard as we move into the legislative session.

Angela Quick and Dr. Louis Rubbo presented on FIRST Nevada. See attached presentation at the end for more information.

Highlights from the presentation are below:

- FIRST Nevada starts at pre-K and goes through 12th grade.
- Their goal is to introduce students to robotics and engineering design and to fundamentally develop students to make them leaders in STEM when they leave high school.
- In addition to robotics, they do computer-related design where they learn SolidWorks and Fusion 360.
- Much of what they do can be described as workforce development programs. They have partnerships with Tesla and other similar companies.
- They also look to develop soft skills such as communication, problem-solving, leadership, time-management, and teamwork.

- FIRST Nevada is largely a volunteer organization. They are a non-profit and are looking for donors.
- Their biggest event is the robotics competition held at the Thomas & Mack Center on the UNLV campus. This year it will be April 1<sup>st</sup>.
- For more information, to volunteer, or to donate email: [info@firsrnevada](mailto:info@firsrnevada)

AJ Long and Joshua Knight presented on VEX robotics. See attached presentation at the end for more information. Highlights from the presentation are below:

- The VEX program starts in pre-k and goes through college.
- VEX is working to create a homegrown community ready to enter the Nevada workforce through Nevada Robotics. Their goal is to train and support teachers so that they can deliver computer science and STEM in the classrooms across the state.
- This initiative started in 2018 with the Tesla investment and Nevada Gold Mines.
- Similar to FIRST, they are a non-profit and depend on donations and volunteers.
- To date, they have trained 1400 teachers in Elko, White Pine, Reno, and Carson City.
  - Of those, 200 are teachers here at TMCC, UNR, GBC, and WNC.
- They just received funding to start METRICS (Mentoring Educators Teaching Robotics Innovation and Computer Science) program. The goal is to get robotics in every elementary school in the county. They are heavily supported by EDAWN.

## IAC Member Take Aways

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The group thanked all the presenters and expressed their appreciation for all the wonderful information.

Robert Chisel reiterated how important it is that the group is advocating for education during this legislative session. The group agreed and was thankful for the flyer that was presented and is looking forward to continued updates throughout the entire session.

Edward Estipona addressed concerns around the trades, construction particularly. He said its great to hear about all the apprenticeships, but he is curious how those turn into jobs. He is also curious about how we train people already in these positions. Edward and Dr. Jeffrey Alexander will have lunch to discuss further.

Sesh Commuri talked about how great it is to see all the workforce development we are doing and that this sets us up for success ten years from now. He discussed the use of AI in education and how there is a lot to learn about this topic.

BJ North reminded the group that TMCC does have a wonderful foundation and are always looking for donations, if the group is so inclined.

The group established the following topics for future meetings: transportation, continued legislative updates, AI and its place in education (presented by the NSHE representative), incumbent training, and apprenticeships and unions.

## Public Comment

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There were none.

## Adjourned

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Meeting Adjourned @ 11:14 AM



**TMCC**

# 2023 Legislative Session Overview

February 9th, 2023

TMCC Institutional Advisory Council

By Elena Bubnova, TMCC Government Affairs Liaison

NEVADA STATE SENATE

NEVADA STATE ASSEMBLY





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# Topics

- Overview
- NSHE Legislative Strategy
- TMCC Legislative priorities and budget
- Communication
- Advocacy





# Overview

- Format: In-person this year!
- NSHE Board of Regents
- NSHE Chancellor and CFO
- President
- Institutional Government Affairs Officer



# TMCC Legislative Priorities and Issues

- Restoration of Budget Cuts
- Workforce Investment Funding
- Enrollment Recovery
- **Capital and Maintenance (EastView-ARP)**
- *Other items:*
  - *Faculty and Staff Compensation*
  - *Nursing shortage*
  - *Dual Enrollment*

*Governor Lombardo's recommended budget is favorable*







# TMCC Budget

- Base Budget: Completed WSCH
- Base Budget (state appropriation): \$32M
- *Workforce Investment (through GoEd)*
  - *Community colleges Are Presumptive Providers of Workforce Training (\$12M)*



## Communication

- Updates to IAC
- Internal communications:
  - Legislative Town Hall
  - Regular email updates from GA
  - Regular meetings with FS Chair, SGA President, NFA Leadership







## Legislative Advocacy

- You are our powerful advocates in the community!
- See legislative flyer



# TMCC Legislative Fast Facts 2023

Truckee Meadows Community College serves an average of 14,000 students at four college sites and more than 20 community locations in Reno.



The Mighty Lizards Women's Soccer team made the regional playoffs in Fall 2022!



223 Nevada Promise students were served in Fall 2022.

## Mission Statement

Create a future you will love with accessible, innovative educational opportunities at TMCC. Together we can make it happen.

- ▶ 13,138 students enrolled in credit classes
- ▶ 7,805 non-credit students served
- ▶ 29% full-time, 71% part-time
- ▶ 50% First generation
- ▶ 490 Veterans
- ▶ 50% Minorities (including 34% Hispanic/Latinx)
- ▶ Average student age: 24
- ▶ 20% of recent Washoe County high school grads attend TMCC immediately following high school graduation

## Degrees and Certificates Awarded

(Summer/Fall 2021, Spring 2022)

TMCC offers 174 degree, certificate and skills certificate programs.

Associate of Arts	631
Associate of Applied Science	250
Associate of General Studies	32
Associate of Science	492
Certificates	249
Skills Certificates	1,033
Applied Bachelor's/BS	30



On average, 62% of TMCC's transfer degree-seekers will go on to transfer after graduation.



TMCC students enroll in 57% transferable courses and 43% work force development courses.

## Economic Impact in Washoe County

\$484.9 million total income added in Washoe County or 2% of county's GDP

7,531 jobs supported or 1 out of every 38 jobs in the county

Students can reap \$431.4 million in higher future earnings.

51% of jobs in the new economy require more than a high school diploma but less than a Bachelor's degree. - National Skills Coalition

# Rescue Needed

We are facing up to a \$10.8 million budget reduction (17%)

NSHE Budget Restoration is needed due to the pandemic enrollment count year at TMCC.

## Base Budget Cut

FY23: \$32.3 million, FY24: \$32.3 million

Total FY23-24 general appropriation based on funding formula and student fees, adjusted for a 17% reduction (\$10,805,176).

## NSHE Request

	2024	2025
Budget Restoration	\$810,472	\$810,472
Workforce Investment	\$2,197,000	\$2,197,000
Enrollment Recovery	\$2,413,588	\$2,413,588
<b>Total</b>	<b>\$10,842,120</b>	

## Impact of Budget Cuts

- ▶ Reduced Academic Programs
- ▶ Limited Student Support Services
- ▶ Loss of Faculty and Staff
- ▶ Lack of Competitive and Equitable Salaries

## Community Impact

- ▶ Disruption of Workforce Development and Training
- ▶ Reduced Access to Under-served Populations
- ▶ Reduced Continuing Education Options

## Interim Finance Committee

ARP Request - Capital

East View: \$40,000,000  
(Consider \$150,000,000 2-year college split)



The College for the New Nevada



7000 Dandini Boulevard, Reno, Nevada 89512  
775-673-7111 | tmcc.edu





Questions?





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On average, **62%** of TMCC's transfer degree-earners will go on to transfer after graduation



TMCC students enroll in **57%** transfer-eligible courses and **43%** workforce development courses

## Economic Impact in Washoe County

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**The College for  
the New Nevada**



TMCC is an EEO/AA institution. For more information, visit [eoo.tmcc.edu](http://eoo.tmcc.edu). Approved for Posting  
7000 Dandini Boulevard, Reno, Nevada 89512  
775-673-7111 | [tmcc.edu](http://tmcc.edu)





BUILDING FUTURE  
LEADERS THROUGH  
*FIRST*<sup>®</sup> ROBOTICS



# FIRST® is a global community that engages pre-K to 12 grade students in exciting, mentor-based, research, and robotics programs

FOR *I*NSPIRATION & *R*ECOGNITION OF *S*CIENCE & *T*ECHNOLOGY



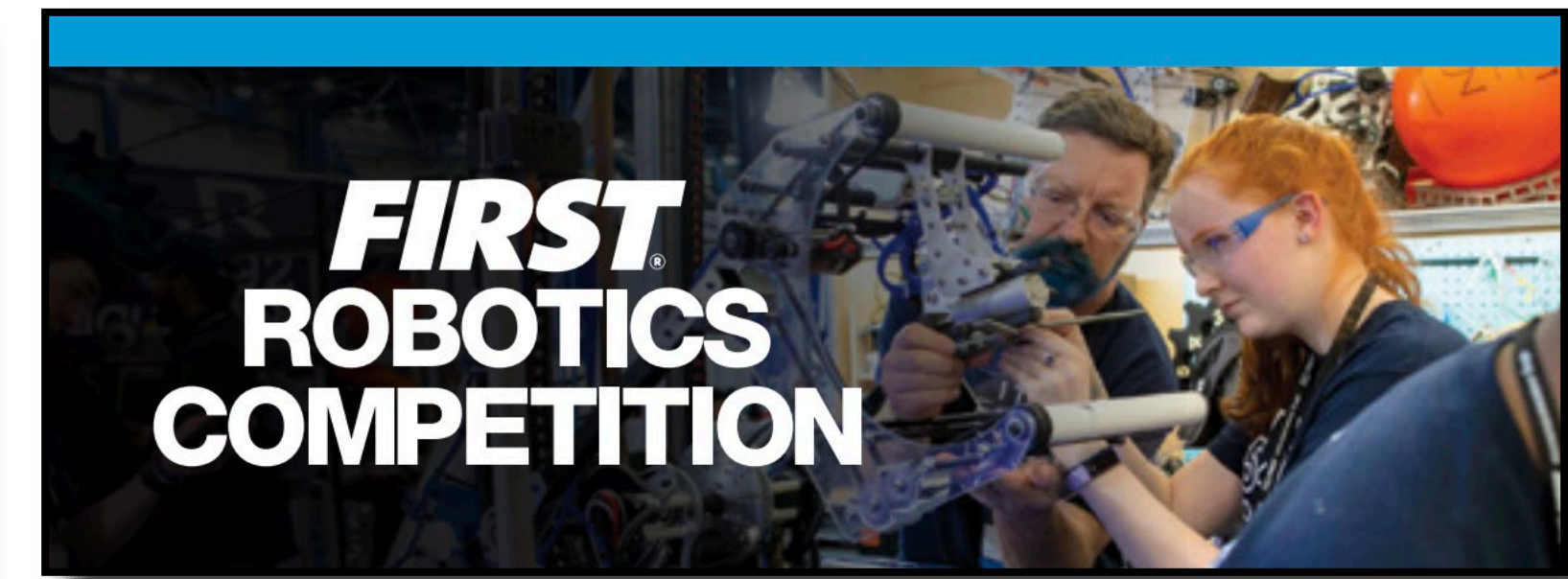
Grades  
PreK-8

Ages  
4-14



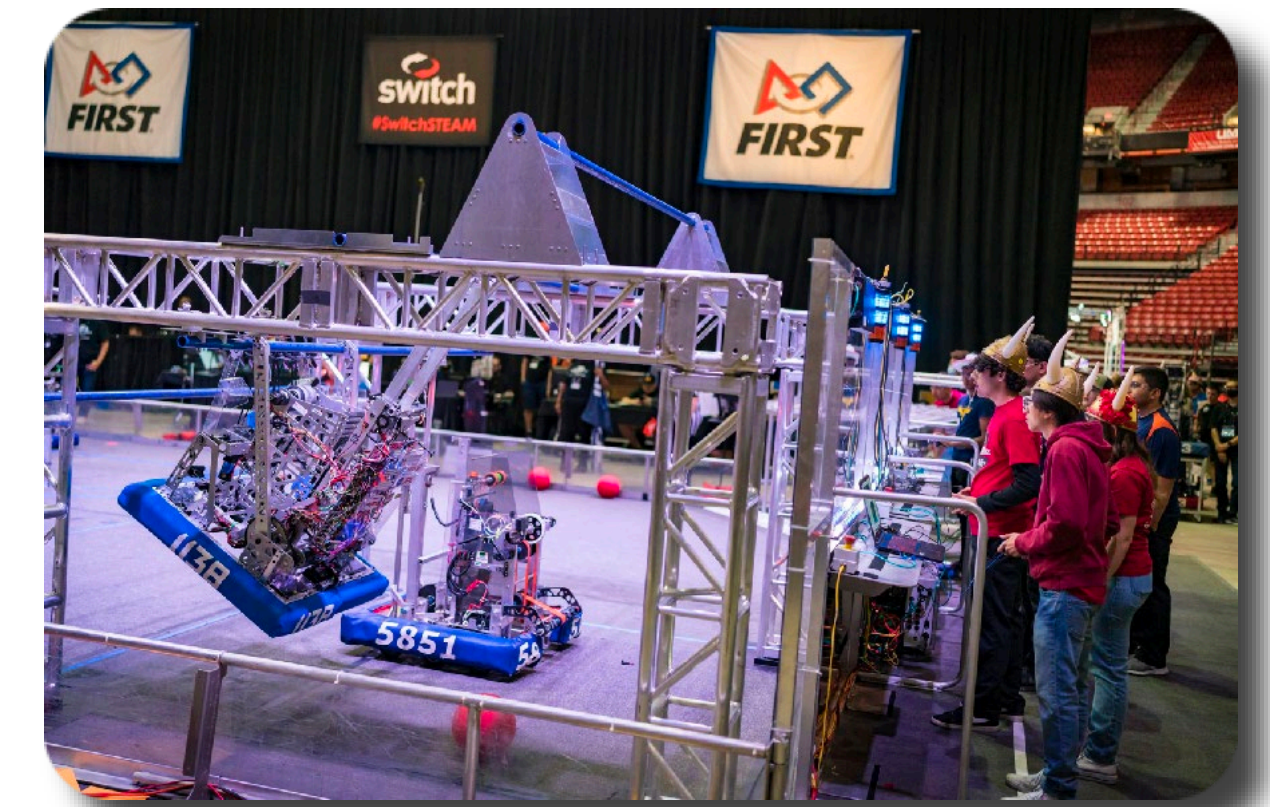
Grades  
7-12

Ages  
12-18



Grades  
9-12

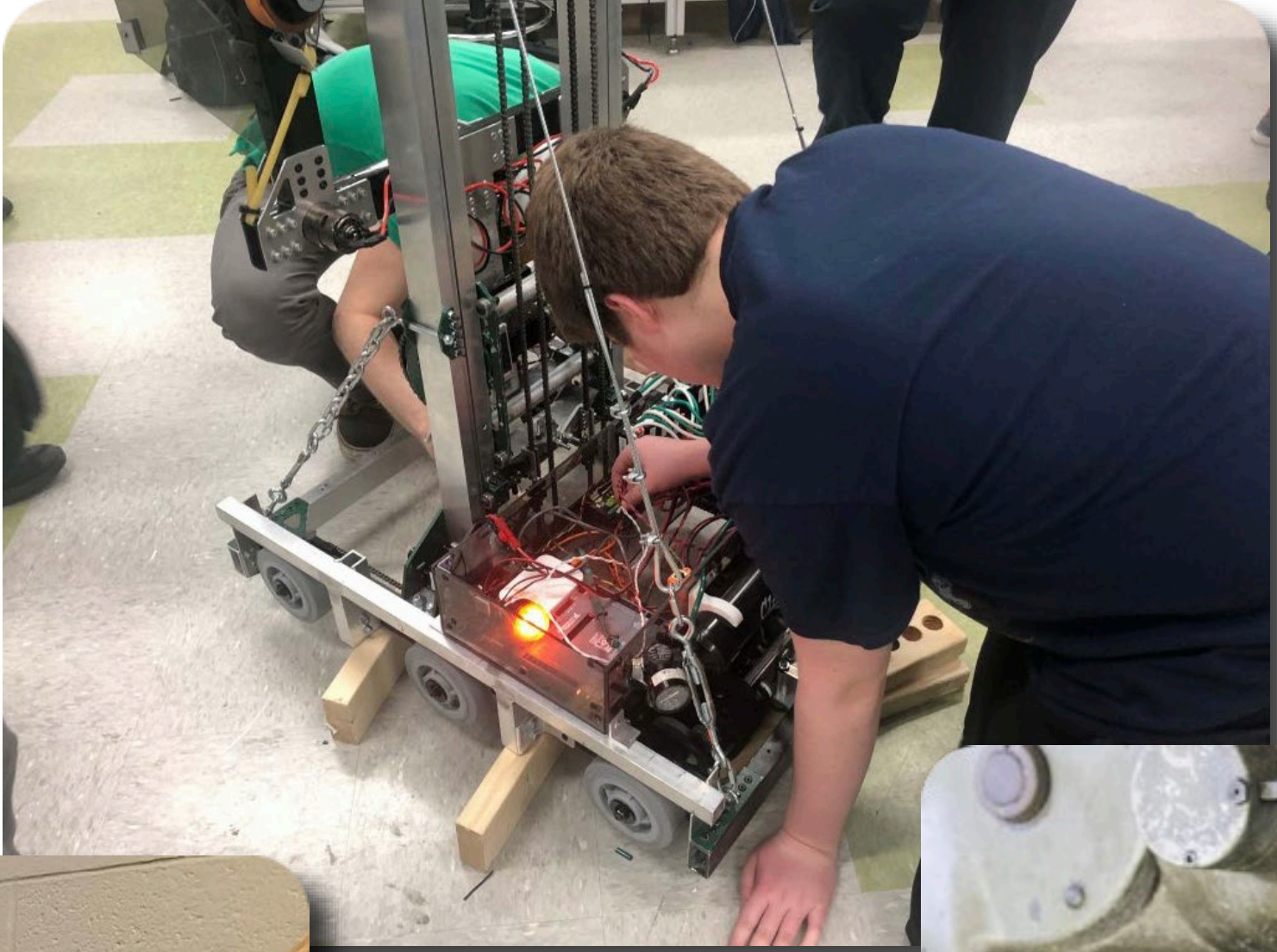
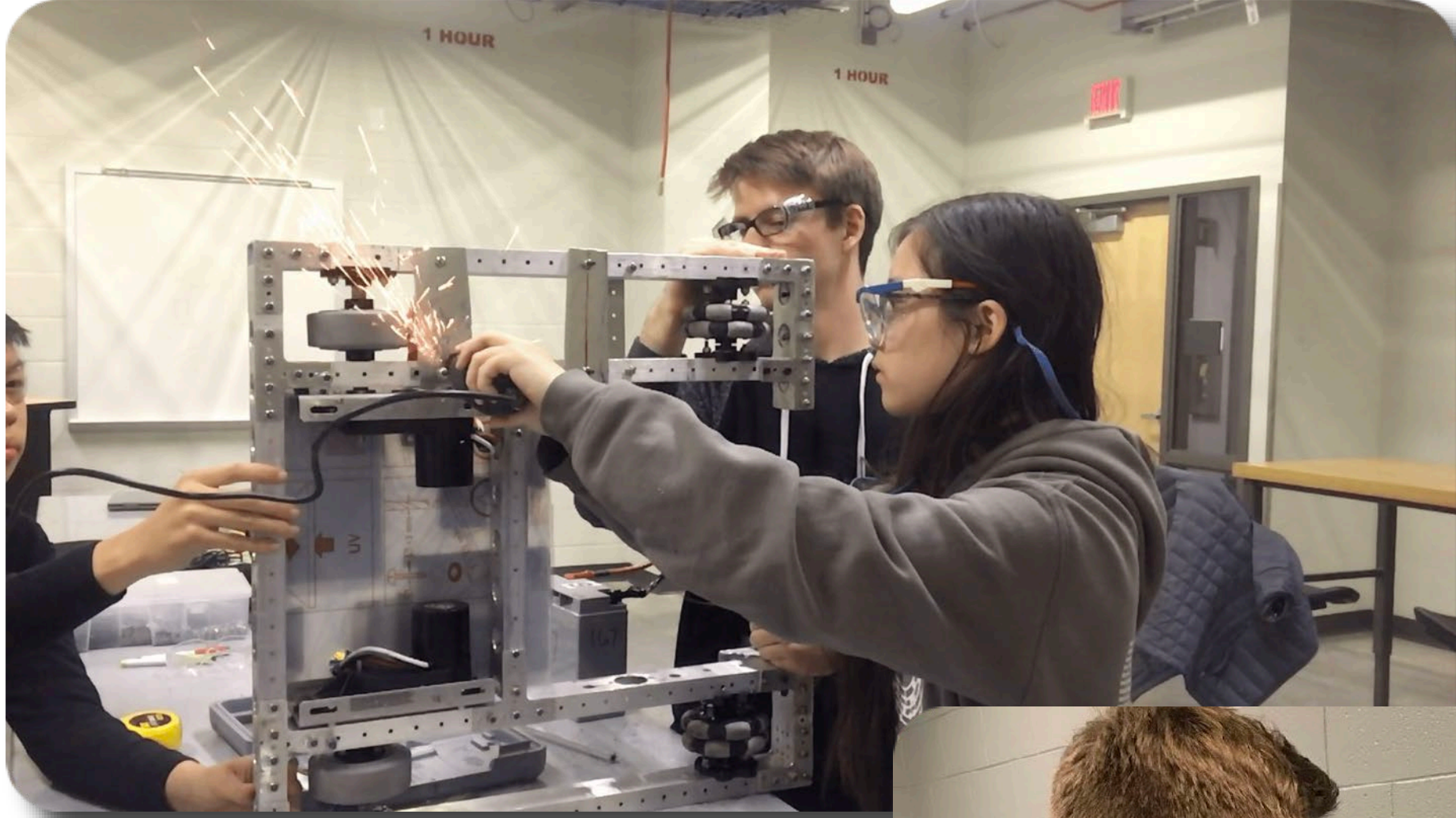
Ages  
14-18





# Robotics team members develop real-world skills that are applicable across a wide range of careers

Design Process



Electrical



Computer Aided Design



Machining



# **FIRST is #MoreThanRobots; it builds future leaders through a holistic development of skills**

Communication



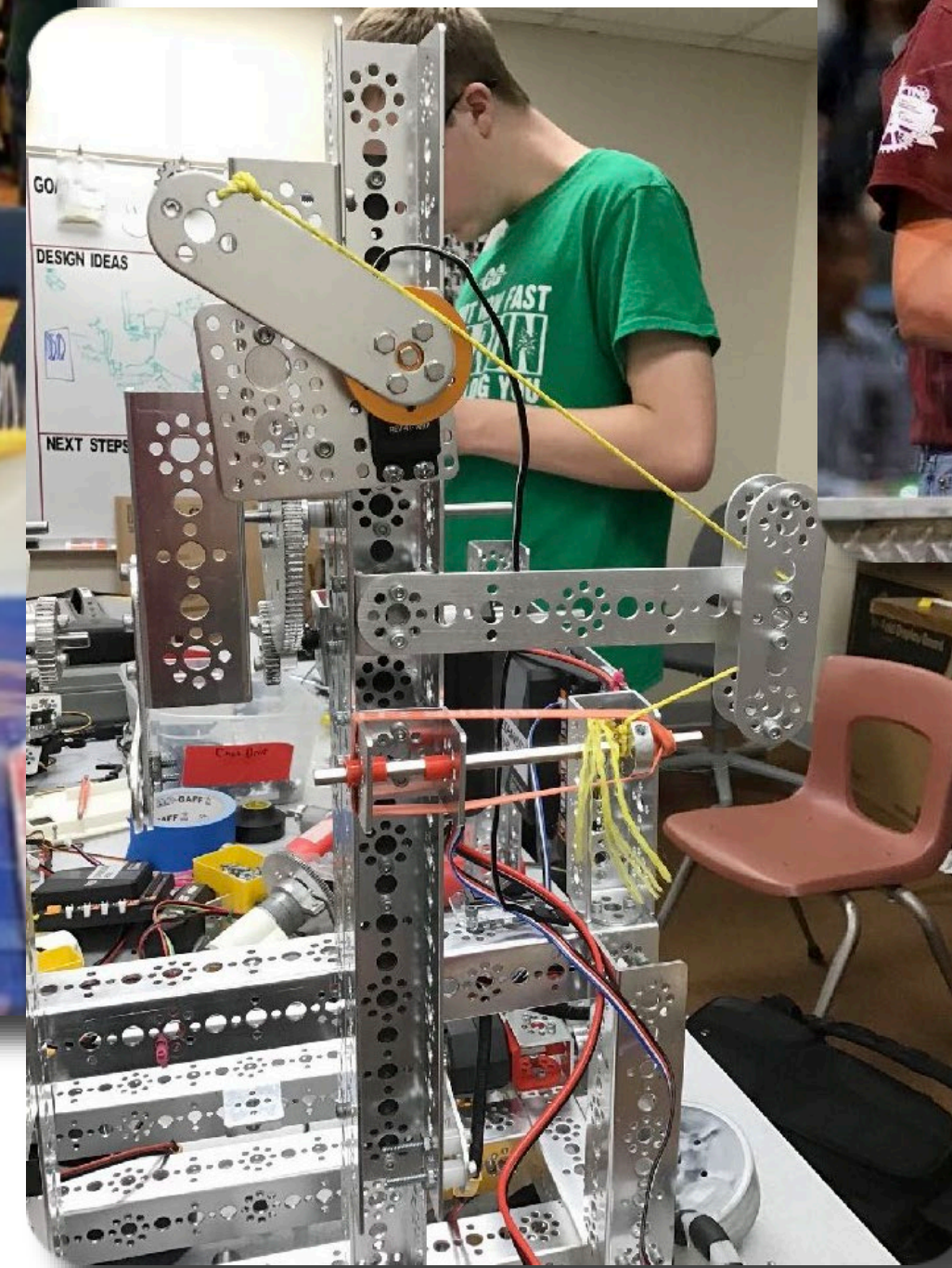
Teamwork



Leadership



Problem Solving

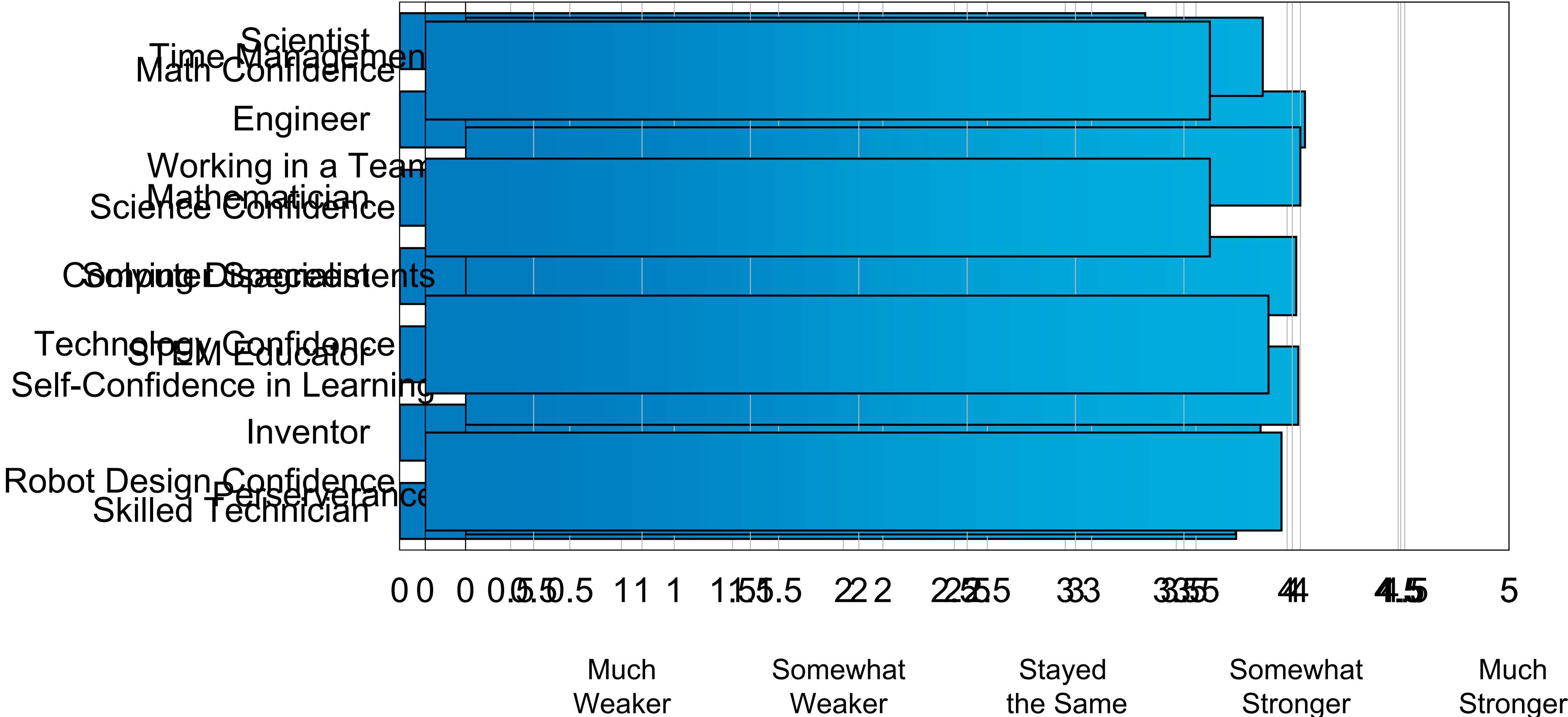


Time Management



# A post-season survey conducted by UNLV in 2022 showed that *FIRST* has a positive impact on Nevada students

## Change in Beginning STEM Career/Worklife Skills

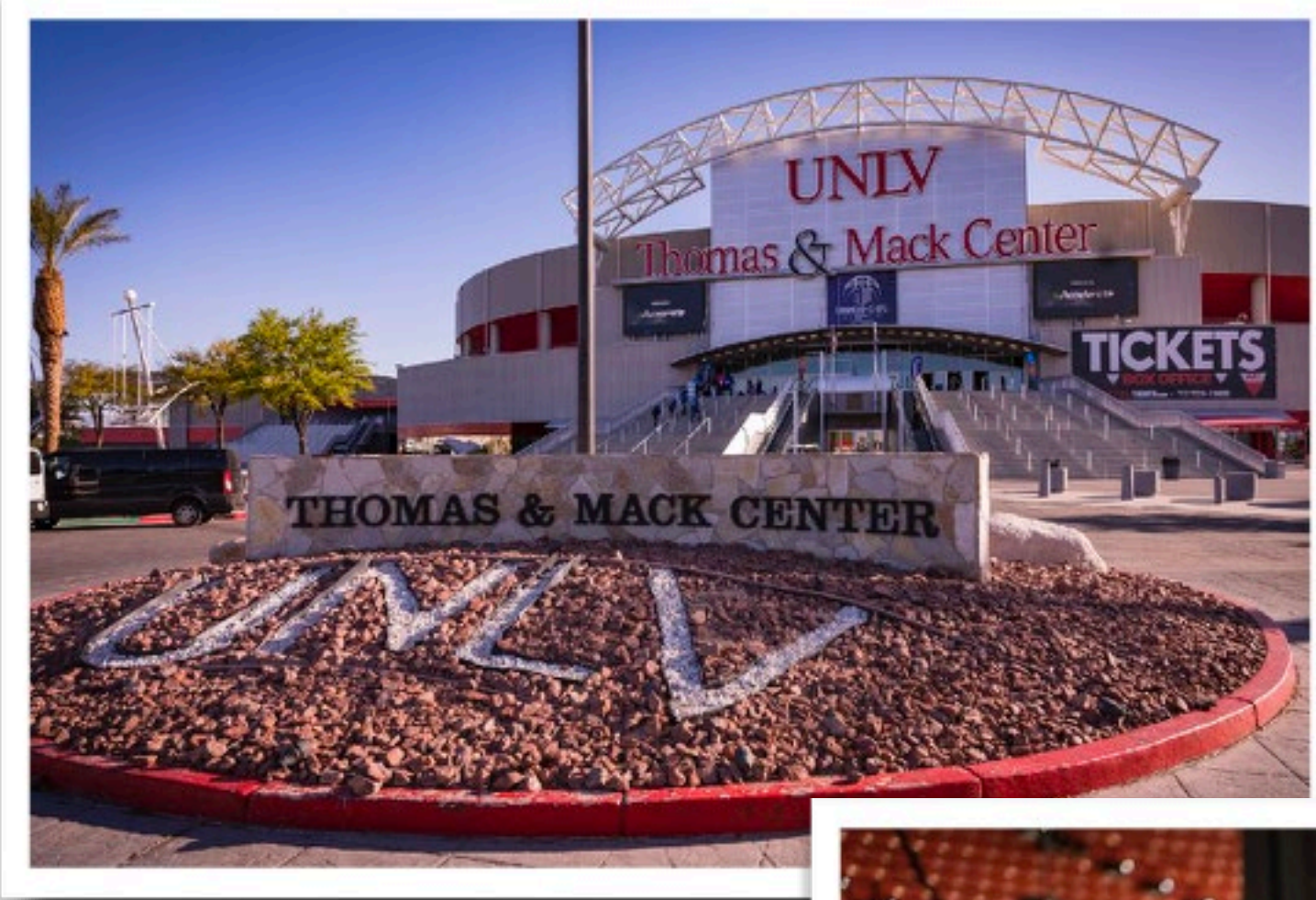




# FIRST is a volunteer driven community, with significant support from education and industry partners



Volunteer Mentors



Event Hosting



Event Volunteers



Sponsorship





“Robotics is the only sport  
where everyone can go pro.”

— Dean Kamen, Founder of *FIRST*®



For more information on *FIRST* in Nevada  
visit the website or send inquires to the info email address

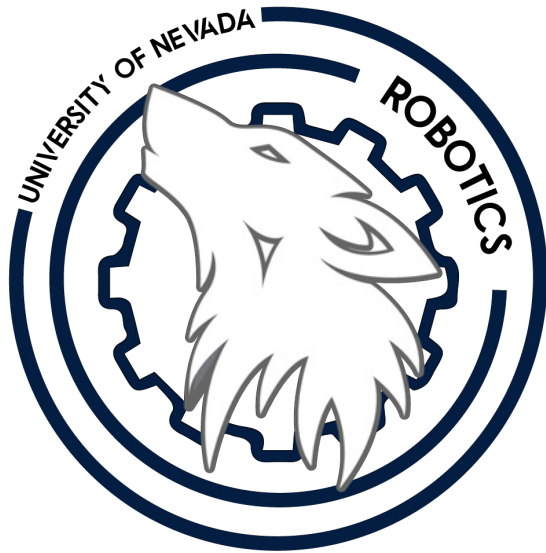
For more information on *FIRST* robotics

[www.FIRSTNevada.org](http://www.FIRSTNevada.org)

For questions contact us at

[Info@FIRSTNevada.org](mailto:Info@FIRSTNevada.org)





TMCC Advisory Meeting  
2.9.23

VEX  
ROBOTICS

# Agenda

01. INTRO

02. VEX Robotics

03. VEX U at UNR

04. Nevada Robotics

# Introductions

## Denielle Oliva



UNR

- B.S. Computer Science and Engineering
- M.S. Robotics Education and Engineering
- UNR Robotics



DRI

- Robotics Outreach Coach

## Joshua Knight



UNR

- B.S. Computer Science and Engineering
- UNR Robotics



DRI

- Robotics Outreach Coach



## What is VEX?

- Educational robotics for everyone
- VEX solutions span K-12 levels
  - VEX123
  - VEXGo
  - VEXIQ
  - VEXV5

## Connecting STEM with Robotics Education

- Teaching fundamental scientific methods
- Impact of technology in the 21st century
- Developing projects through the engineering design process
- Applying mathematics in a real world





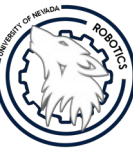


## Why robotics?

- Future job skills - robotics teaches teamwork, collaboration, time management, and communication skills
- Robotics is a fun and engaging way to get students interested in STEM

## REC's Mission

The Robotics Education & Competition Foundation's global mission is to provide every educator with competition, education, and workforce readiness programs to increase student engagement in science, technology, engineering, math, and computer science.





VEX U

## UNR Robotics

- Student created/led club
- Connect students to opportunities in robotics research
- More advanced competitive robotics opportunities

## Objectives

- Creating a collaborative robotics community inside and outside higher education
- Provide educational resources for the local community
- Student engagement from all disciplines







- **Hands-on Teacher Training-Robots / Drones / Engineering / CS**

- Pre-service - 200+ all NSHE institutions
- In-service educators - 1,400+ robot-ready educators K-12
- Robots at a tool for teaching math, English, computer science, etc.
- Summer Robotics Academy of Nevada - Elko, Reno, and Las Vegas
- Year-round workshops-school districts, Boys and Girls Clubs, etc.



- **Robot Lending Library**

- 600+ robots in classrooms across the state (7 types)

- **Support-Robotics Outreach Coaches**

- College students (former robotics HS students, CS or EDU majors)
- Visit classrooms statewide-weekly
- Robotics competition support: FIRST and VEX
- Assist with teacher training

