



OKLAHOMA ENGINEERING FOUNDATION

Engineering Makes Life Better

Jennifer McCollum, APR, Executive Director

jennifer@oef.org / JUNE 13, 2024 / OSPE

2024 Highlights



KLHOM
2024 ENGINEERING FAIR



Fair Attendance | Schools

2022 - 130

2023 - 698

2024 - 900

Total Schools in
2024: 60 +
Homeschools

Arapaho-Butler Public Schools

Binger-Oney Public Schools

Burlington Public Schools

Cashion Public Schools

Clinton (Corn Bible Academy)

Dove Science Academies (Three)

Edmond Public Schools

Elk City Public Schools

Enid (Oklahoma Bible Academy)

Fort Cobb-Broxtton Public Schools

Gordon Cooper Technology Center

Jenks Public Schools

Kingfisher Public Schools

Lawton Public Schools

Mid-America Technology Center

Moore Public Schools

Mustang Public Schools

Newalla Public Schools

Norman Public Schools

Numerous Homeschooled Kids

Oakdale Public Schools

Perkins-Tyron Public Schools

Sand Springs Public Schools

Sayre Public Schools

Shawnee Public Schools

Stillwater Public Schools

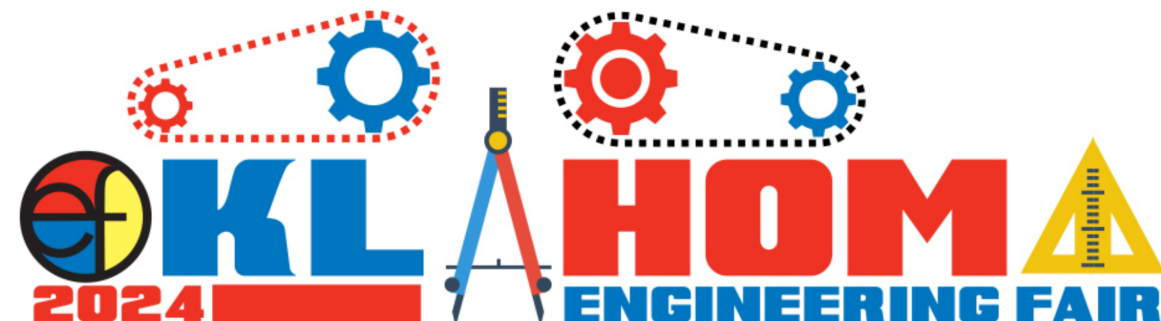
Terre Verde Discovery School

Tonkawa Public Schools

Yukon Public Schools

NSPE-OK[®]

OKLAHOMA SOCIETY
OF PROFESSIONAL
ENGINEERS

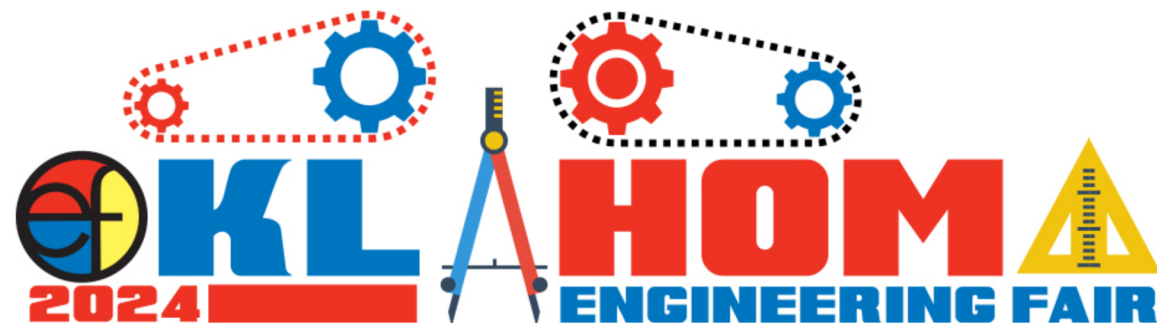


We ♥ our
Volunteers



Contest Sponsors

- American Fidelity
- FAA / Mike Monroney
- IEEE - OKC Section
- Oklahoma Society of Professional Engineers
- Oklahoma Structural Engineers Association
- University of Oklahoma Gallogly College of Engineering
- Oklahoma Society of Manufacturing Engineers - Chapter 125, Oklahoma City
- Society of Mechanical Engineers - Central OK Section



ConocoPhillips

olsson®



OKLAHOMA
ENGINEERING
FOUNDATION



Sponsors & Host

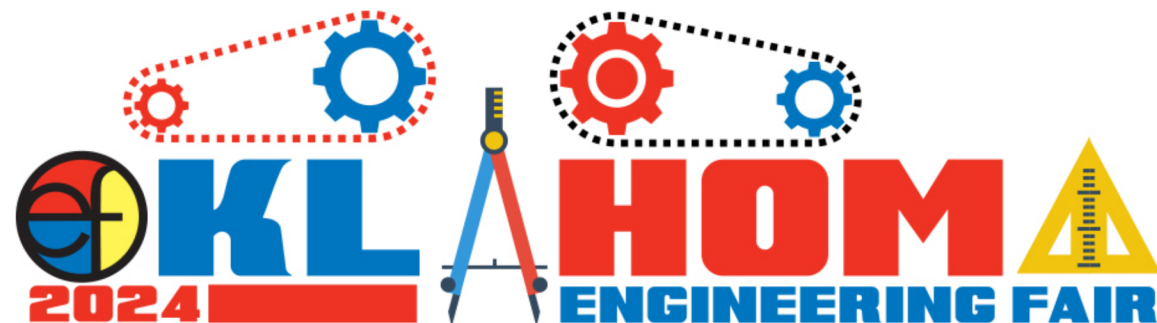
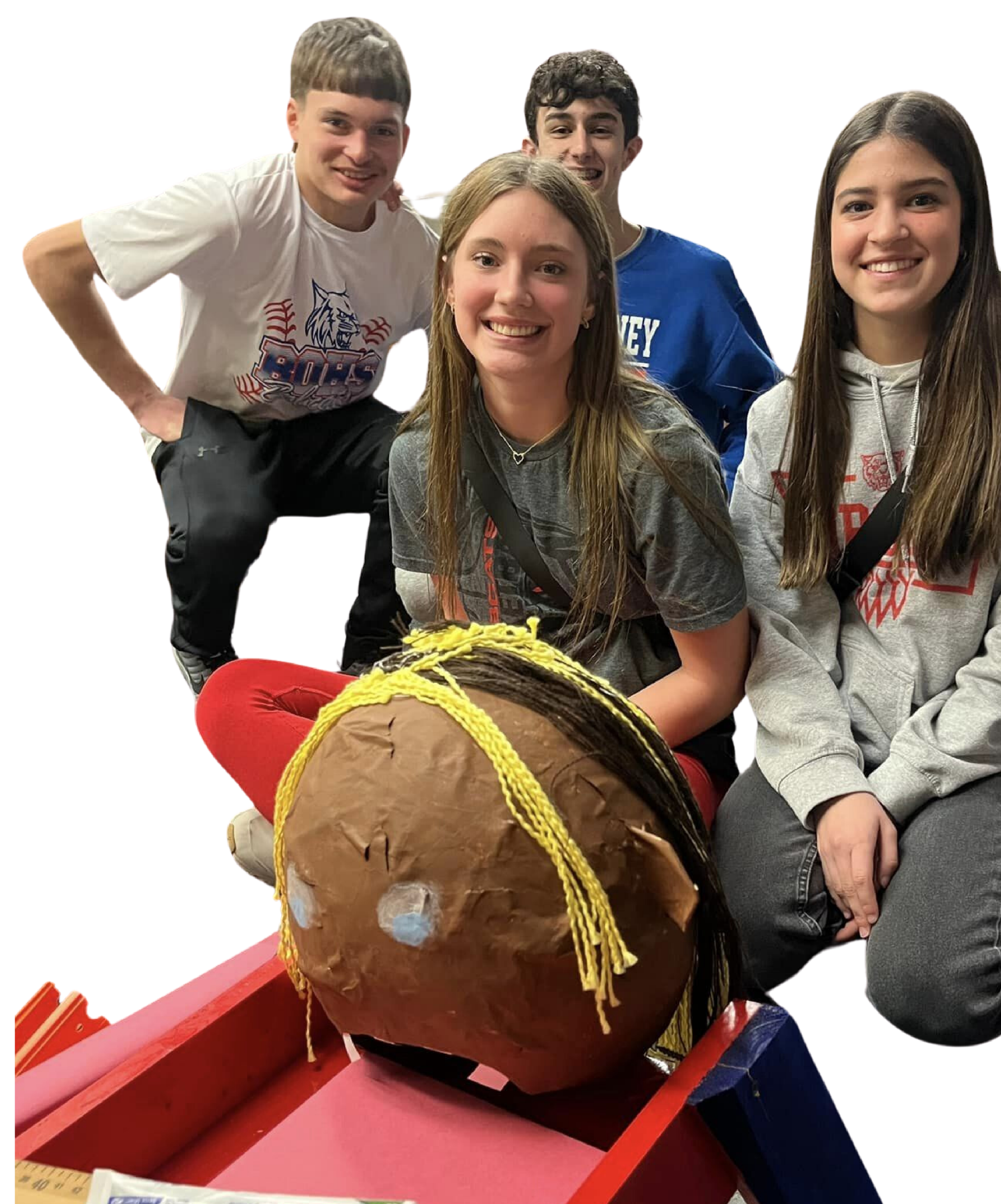


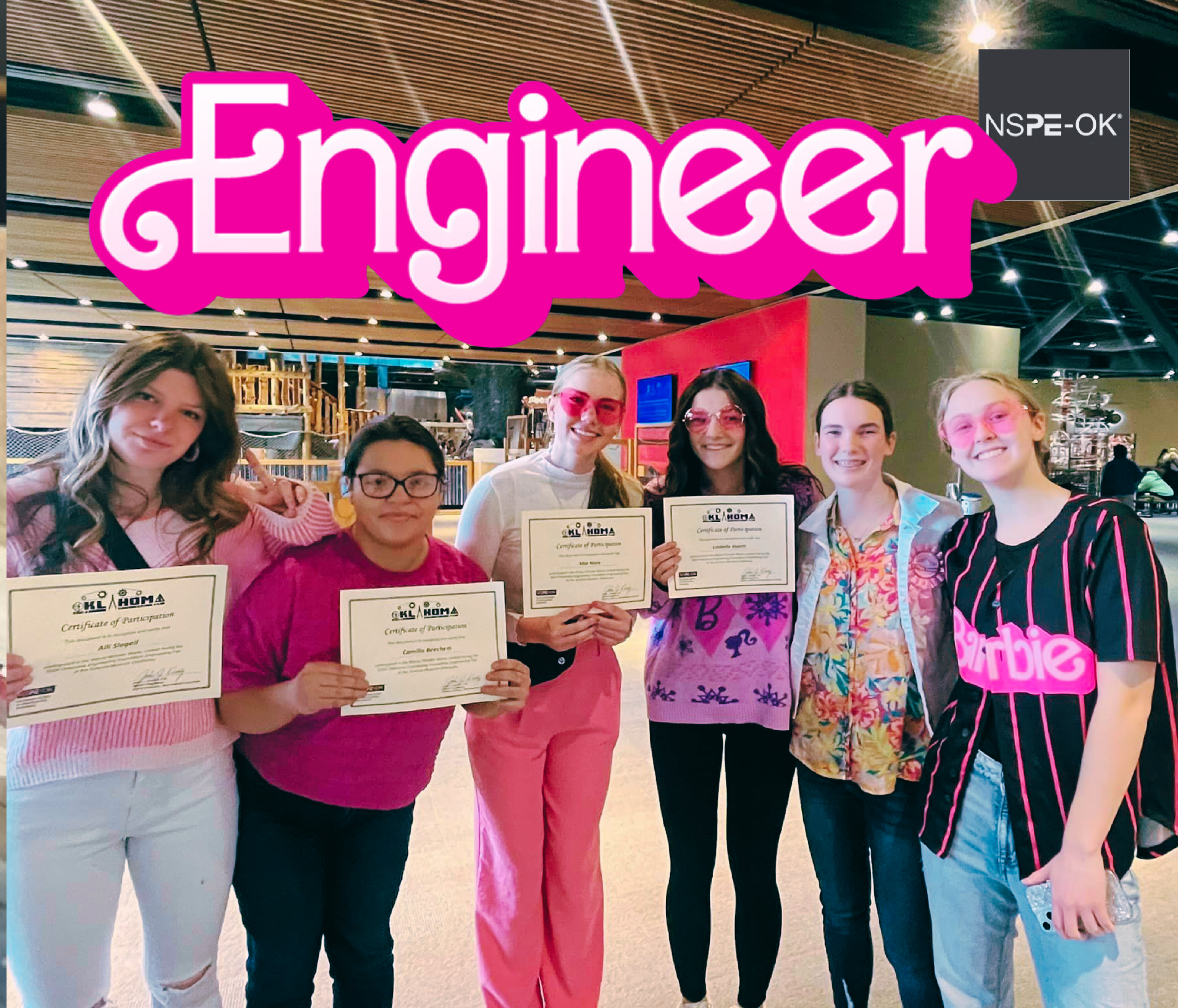
AMERICAN FIDELITY
a different opinion



Wacky Wonder Works

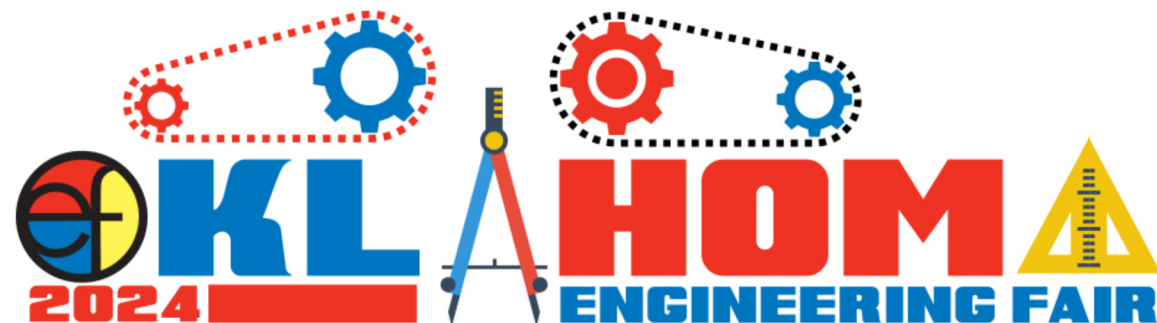
- (Rube Goldberg Competition)
- Sponsored by OSPE
- Coordinated by John Doddy



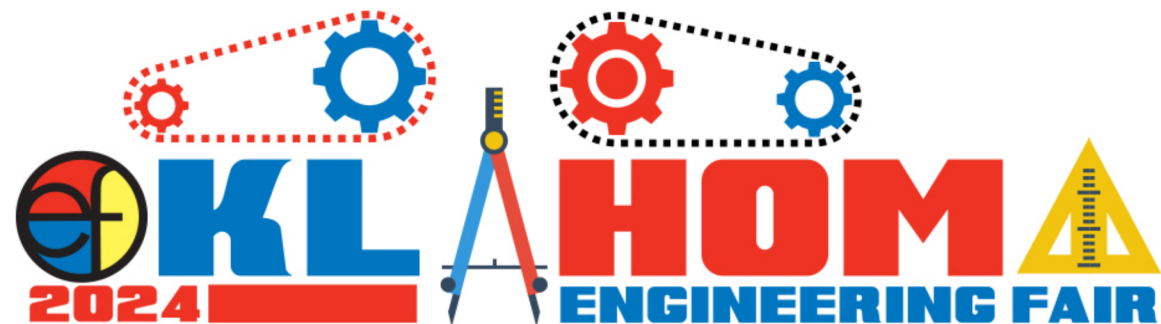


Ping Pong Launcher

- Oklahoma Society of Manufacturing Engineers - Chapter 125, Oklahoma City



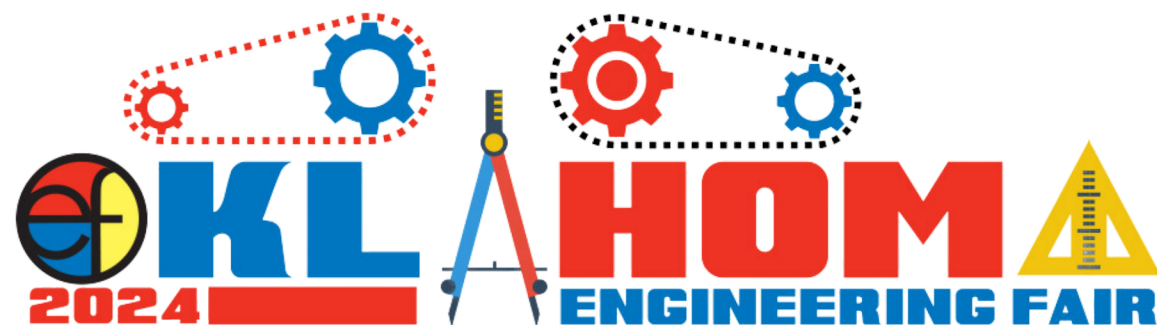
Bridge Building



Drone Zone

"As you may have heard, we had a great turnout at the Drone Competition yesterday, way more than expected! ...the competition was the best it ever has been in all the years we've been doing this. Great inquisitive kids with a passion for drone flying! It was inspiring for us and them."

--Laura Shepherd-Madsen
FAA



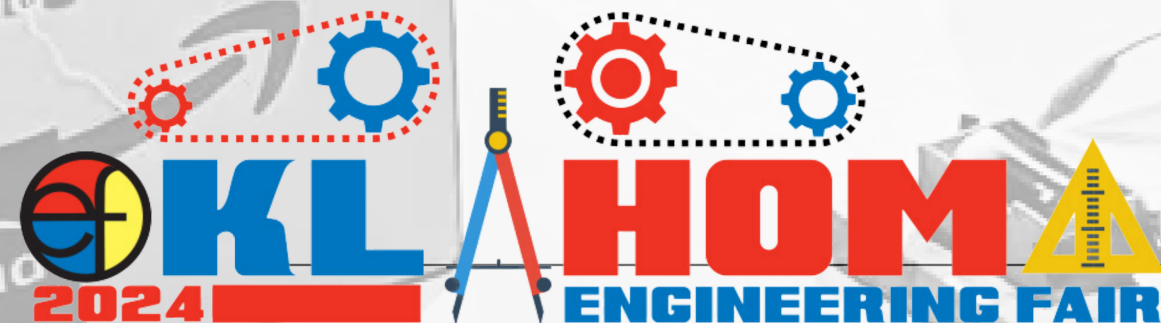
Electric Motor



IEEE

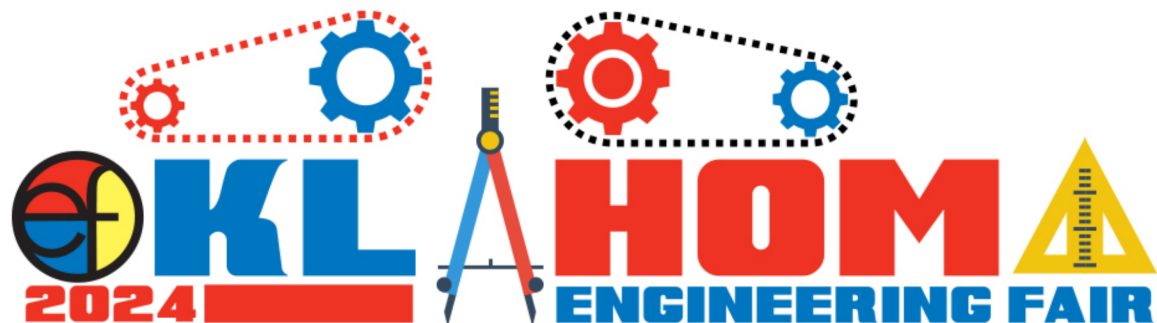
"Thank you for your dedicated work for the successful 43rd Engineering Fair! We had about double of last year's entrants for the IEEE Motor contest..."

--Bill Wylie



Rubber Band Powered Vehicle

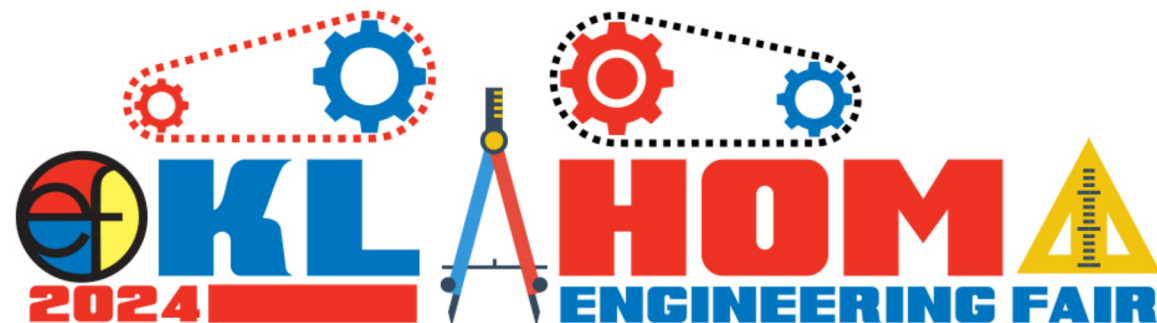
Very popular event with hundreds of entries



Eiffel Tower

If we have 59 groups for the Eiffel Tower contest, that will be the most in many, many years. Wow! --Dr. Brian P. Grady, *Professor and Douglas and Hilda Bourne Chair in Chemical Engineering Director, Institute for Applied Surfactant Research*
University of Oklahoma

 GALLOGLY COLLEGE OF ENGINEERING
SCHOOL OF SUSTAINABLE CHEMICAL,
BIOLOGICAL AND MATERIALS ENGINEERING
The UNIVERSITY of OKLAHOMA

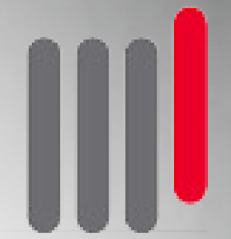




NEW!

Software Challenge

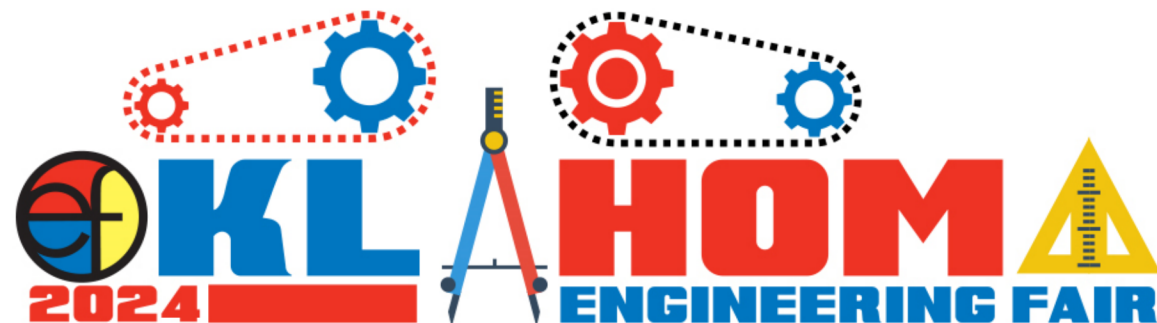
AMERICAN FIDELITY
a different opinion



Science Museum OK

"It was wonderful event and we look forward to this happening each year."

--Melody Muniz,
Science Museum Oklahoma

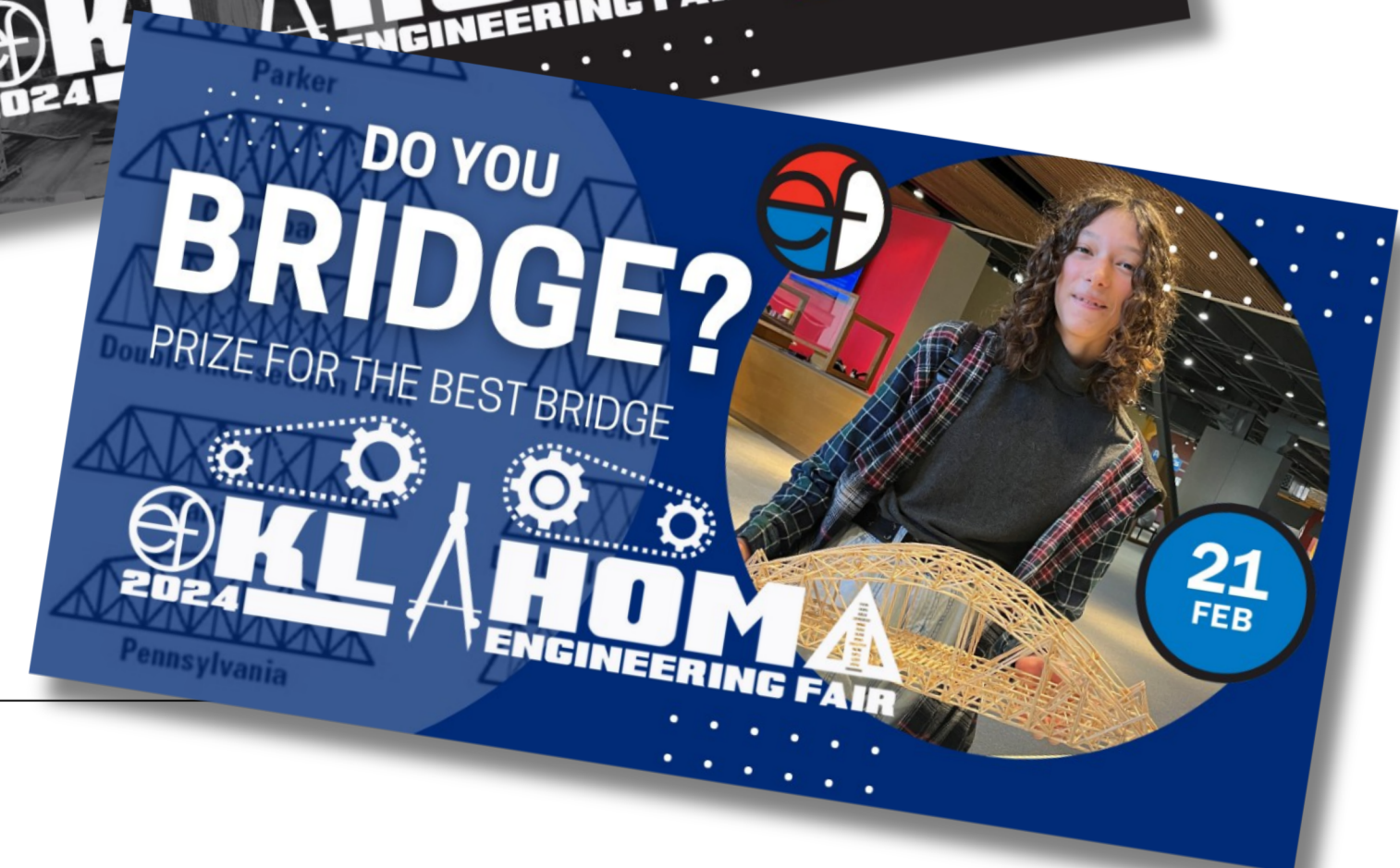
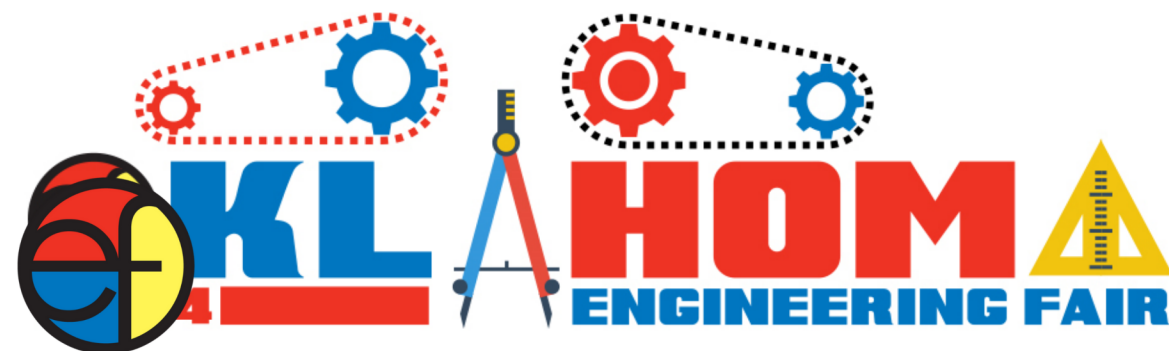


Fair Costs

APPROXIMATE

- Facility Rental - \$10,060 (Science Museum)
- Snacks - \$394.97 (Walmart)
- Classroom / Teacher Awards - \$4,798
- Students Awards (Amazon Gift Cards) - \$1,070
- Student Medals, Ribbons - \$306.11
- Signage - \$78.18
- Printing - \$38.96
- Mailing Supplies - \$24.44
- Postage \$73.80; \$17.50

TOTAL: \$16,790+






BURLINGTON
ROBOTICS

#0656

Large RTU Test
Capabilities

"The RTU is at 15T, three rooms
and one room at 15T-30°F to 130°F
regulation control
installations.
The RTU is compliance,
reliability


KLHOM
2024 ENGINEERING FAIR

Scholarship Applications



**OKLAHOMA
ENGINEERING**
—COLLEGE SCHOLARSHIP—

- Applications closed
December 31, 2023.
- Selected - May 15, 2024
- Notified - June 15, 2024
- Applications Reopen -
August 1, 2024
- Deadline - December 31,
2024



OKLA MATHCOUNTS® OKLAHOMA

2024 Highlights



MATHCOUNTS Competitions

- University of Central OK - January 27
- Tulsa University - February 3
- Cameron University - February 17
- Approximately 320+ Registered
- Oklahoma City University (STATE) - March 2
- **State Team**
 - David Braden - Coach (Casady)
 - Hudson Fong (Casady)
 - Stella Hong (Whittier)
 - Khushi Mody (Krish's Derivatives)
 - Addison Baker (Jenks Middle School)
- **Team Placement**
 - Casady School
 - University School
 - Regent Preparatory School
 - Heritage Hall School



MATHCOUNTS

Sponsors & Colleges



Presenting Sponsor



Collegiate Sponsors



Today's Lunch Sponsor



Program Support From the Following



MATHCOUNTS Schools Statewide

- All Saints Catholic School
- All Saints Catholic School
- Altus Junior High School
- Bishop Elementary School
- Casady School
- Cascia Hall Preparatory School
- Central Middle School
- Comanche Middle School
- Deer Creek Middle School
- Dove Science Academy
- Dove Science Academy South MS
- Dove Science Academy Tulsa
- Dove Virtual Academy
- Duncan Middle School
- Elmore City Pernell Middle School

- Fletcher Junior High School
- Fort Cobb-Broxtown School
- Heritage Hall School
- Holland Hall
- Jenks East Intermediate School
- Jenks Middle School
- Krish's derivatives homeschool
- Lawton Academy Of Arts & Sciences
- Lincoln Christian School
- Madison Middle School
- Marquette Catholic School
- Metro Christian Academy East
- Mustang Middle School
- Regent Preparatory School
- Saint Pius X School

- Southeast Middle School
- Summit Middle School
- University School
- Westminster School
- Whittier Middle School



*We ♥ our
Volunteers*



MATHCOUNTS Schools (State)

- All Saints Catholic School (Tulsa)
- Bishop Elementary
- Casady School
- Deer Creek MS
- Duncan Middle School
- Heritage Hall School
- Holland Hall
- Jenks East Intermediate
- Jenks MS
- Krish's Derivatives Homeschool
- Lawton Academy of Arts & Sciences
- Madison Middle School
- Metro Christian Academy
- Mustang MS
- Regent Preparatory School
- Summit MS
- University School
- Union
- Whittier MS

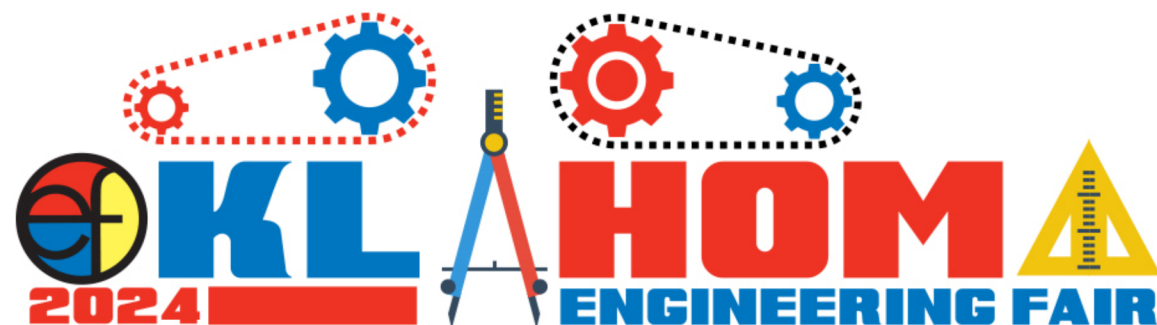


MATHCOUNTS Costs

- Facility Rental UCO - \$500.76
- Facility Rental OCU - \$500
- Facility Rental TU - \$500
- Facility Rental CU - \$745.10
- Domino's Pizza
 - 318.04 (OKC)
 - 722.75 (Tulsa)
 - 391.19 (Edmond)
- Coins - \$863.28 (MTM)
- T-Shirts - \$5802.90\
- Trading Pins - \$433.67
- Expected Travel - \$3,000
- Signage/Printing - \$300
- Snacks / Incidentals
 - \$224.31 (Amazon)
 - \$55.26 (Amazon)
 - \$41.91 (Amazon)
 - \$80.94 (Amazon)
 - \$17.47 (WalMart)
 - \$37.65 (WalMart)
 - \$5.43 (Walgreens)
 - \$143.25 (Dunkin Donuts)
- Awards
 - \$813.81
 - \$26.38
 - \$1,317.47
 - \$681.50

TOTAL \$17,500+

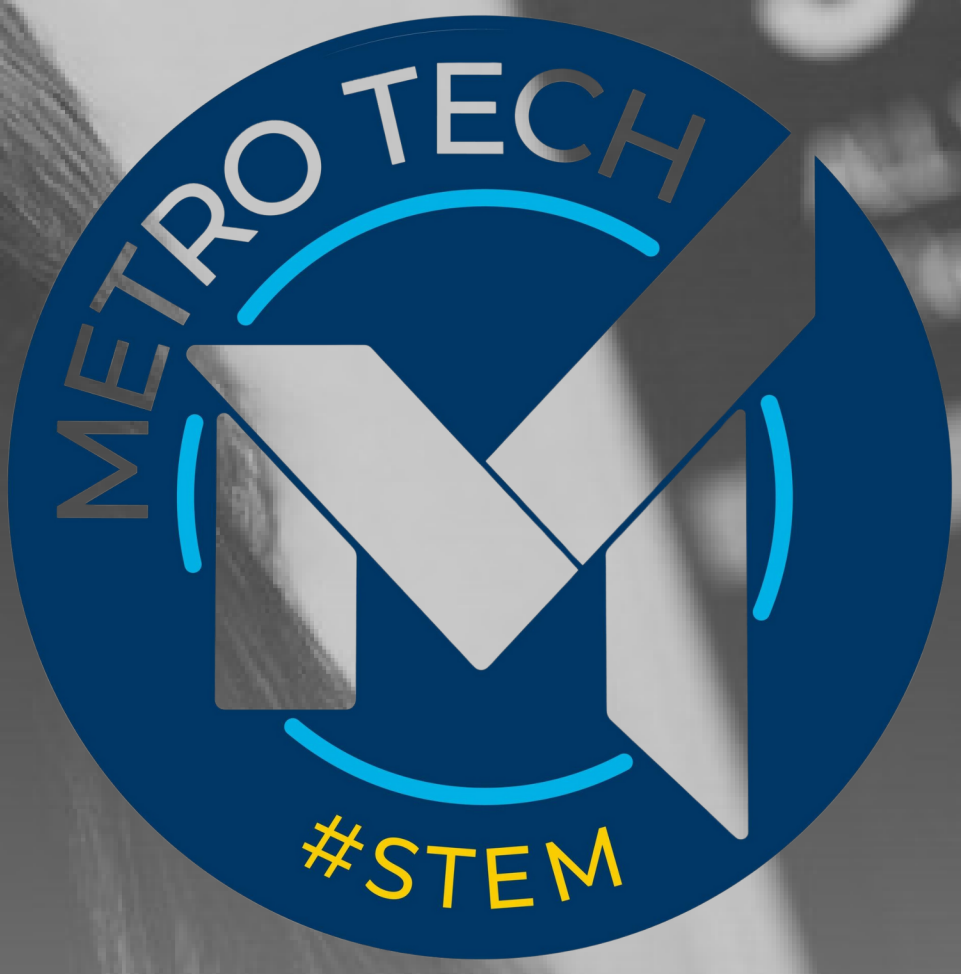
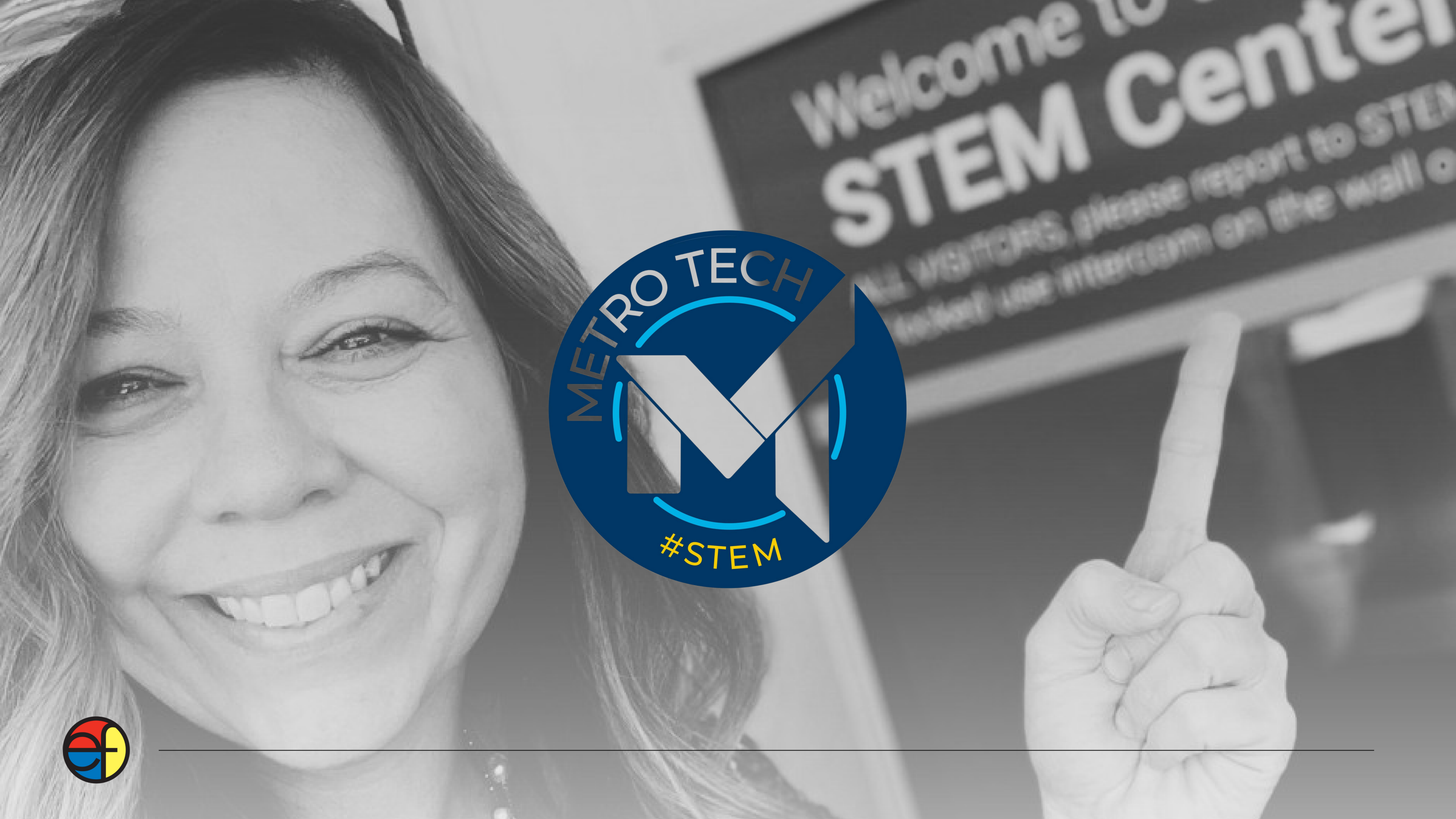
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OEF YAB

- Rolling Applications Until We Reach 15
- Current Members
 - EVAN REYES (Bishop McGuinness)
 - REAGAN LILES (Harding Charter Prep / Metro Tech Engineering Program)
 - AMY LE (Bishop McGuinness)
 - MELODY CHEN (Norman High School)
 - BRIDGETTE McCOLLUM (Bishop McGuinness)
 - MICHAEL ROWLAN (Bishop McGuinness)
 - ETHAN CAI (Heritage Hall)
 - KYLEE PERKINS (Bishop McGuinness)



Upcoming | Summer/Fall 2024

- Audit and Capacity Study - Must be completed by November 2024
- Southwest Oklahoma MATH CLUBS Launching June 2024 / Stipends Awarded August 2024



2024 Web Report

January - April 2024

- 10,179
- 4,370 VISITORS
 - Counted Unique Every 24 Hours
- VIEWS per VISITOR: 2.56
- 3,737 Referrals from Search Engines





Facebook Report

- June 2024: 1,214 Followers
 - Gain of 249 Since January 13, 2024
- 41,600 Reach
 - Up 94.6 percent since January 2023
- Content Interactions
 - 2,500 - Up 226.6 percent since January 2023
- Link Clicks
 - 917 - up 99.8 percent since January 2023



Instagram Report

- 1,531 Impressions (February 2-May 1)
- 111 Followers
- 0 - 2022

LinkedIn Stats

- 181 Followers
- 21 - 2022



Recent Grants & Gifts

2023-24

- American Fidelity
- Boeing
- ConocoPhillips
- Phillips 66
- Kirkpatrick Foundation
- MATHCOUNTS Foundation
- McCasland Foundation
- NCWIT
- Oklahoma Aeronautics Commission
- Oklahoma Society of Structural Engineers
- Tulsa STEM Alliance
- Garver
- Olsson
- Program Management Group



Private Donations

(Jan 1-April 30, 2024)

- TOTAL RECEIVED: \$10,000.00





Thank You

jennifer@oef.org

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