

COORSTeK

DMRSEF DENVER  
METRO  
REGIONAL  
SCIENCE AND  
ENGINEERING  
FAIR 

**DENVER SCIENCE FAIR**

**IMPACT**

**REPORT**

**2021-2022**



# WELCOME

The **Denver Metro Regional Science & Engineering Fair** team would like to thank our community members for another fantastic season of science! The goal of this program is to **foster students' enthusiasm for research and inquiry, empowering them to become tomorrow's STEAM leaders**. With your support, we hosted over **50 events** during the 2021-2022 season, providing outlets for students to develop and fund their own projects, engage with local scientists, learn about new career paths, practice their science communication skills, and ultimately share their research with our community of STEAM professionals and enthusiasts. The theme of this year's fair was ***This is What a Scientist Looks Like*** and your engagement with our programs allowed us to illustrate this. Thank you!

A highlight of the year has been to show participants not just what adult scientists look like, but their fellow student scientists as well. In August 2021, we launched our inaugural **Student Advisory Council**, welcoming five DMRSEF students and alumni to our team. This passionate group of young leaders worked closely with the fair directors, helping us develop resources and events to lower barriers to participation in the fair and providing hands-on guidance to their peers during our Season Kickoff, Science Fair Q&A sessions, and Competition Ready Series events. Witnessing these students' commitment to the success of their peers has been heart-warming and inspiring and we look forward to expanding these peer-to-peer mentoring opportunities in seasons to come.

We would like to thank our event partners for their continued support of the fair, including our title sponsor, **CoorsTek**, and the **University of Colorado Denver College of Liberal Arts and Sciences**. As a community-based organization, your ongoing partnership is essential to the health and expansion of our programs. Thank you also to the many, many parents, families, teachers, and mentors that directly support our students - you are the key to their success! I would also like to extend a special thank you to the **Society for Science** and **ZEISS**, whose grant funding allowed us to bring our virtual science fair programs directly into students' homes with STEAM Activity Kits (Society for Science) and facilitated the hosting of our first-ever week-long science teacher training workshop in partnership with Advancing Science Research Teaching (ZEISS).

It has been an exciting year for sure and we hope you enjoy catching up on all things DMRSEF in this 2021-2022 Impact Report. Thank you for your support and we hope to see you soon.

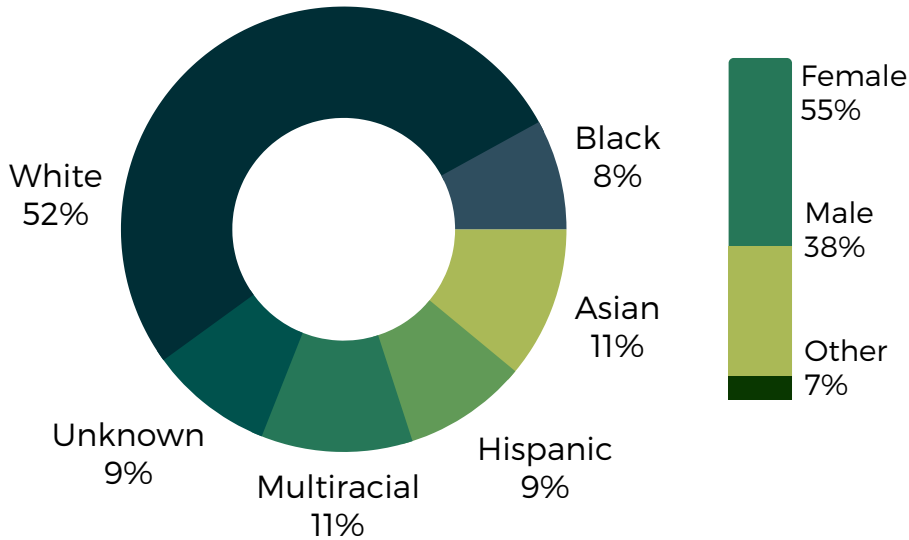
**-The DMRSEF Team**

Erin Golden, PhD | Samantha Sands | Kayla Ahr

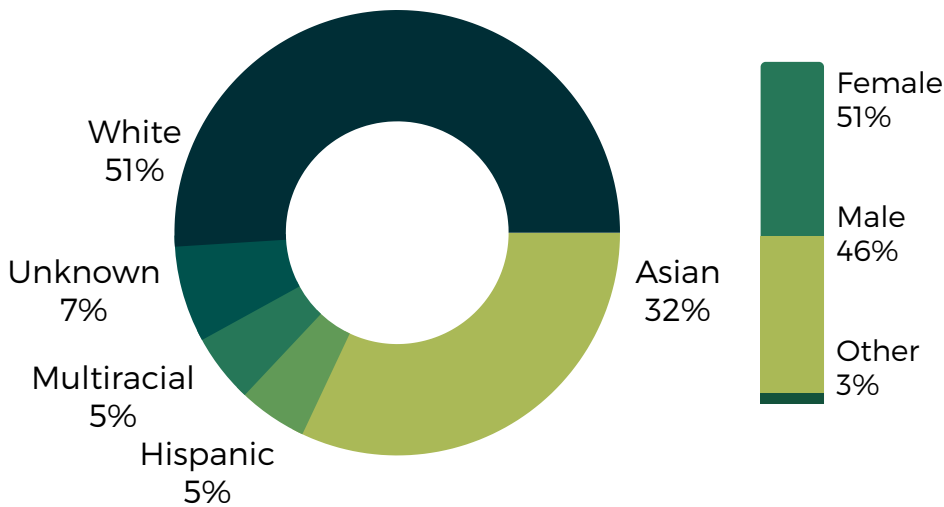


# 2022 PARTICIPATION

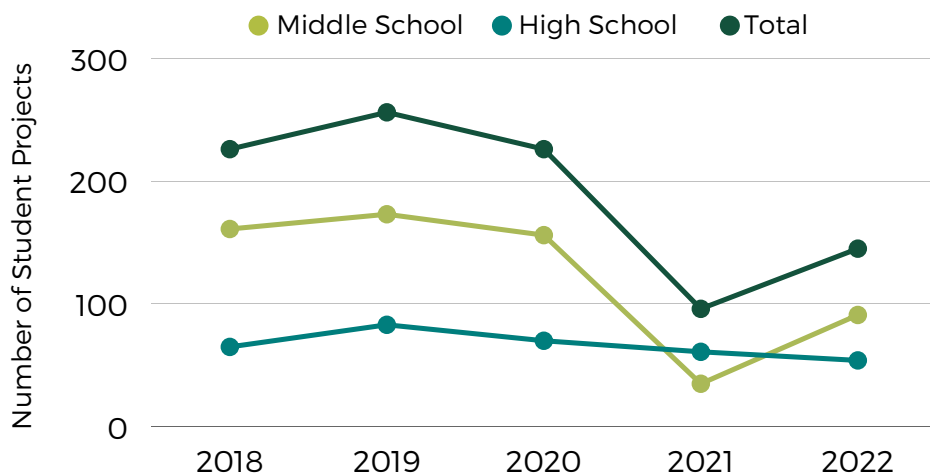
## MIDDLE SCHOOL



## HIGH SCHOOL



## 5-YEAR PARTICIPATION



**186**

students participated in the 2022 Denver Metro Regional Science & Engineering Fair

**123**

awards and prizes recognized student achievement in their category, overall fair performance, and special skills.

**50**

preseason events helped students get science fair ready.

**1600**

contact hours between DMRSEF staff and students.

**114**

science fair judges and volunteers gave their energy and time to make the season a success!

# SEASON KICKOFF



On Saturday, September 18th, we officially kicked off the 2021-2022 DMRSEF season with our first in-person event in over 550 days (556 to be exact)! Nearly 70 students, parents, and teachers joined us at CU Denver to learn about plans for the 59th annual fair and our season-long programs. Highlights included a **Project Mindstorm** session, where students mixed and matched categories and topics to come up with innovative and inspirational project ideas, as well as a special visit from **Project Bridge**, a science communication group based at CU Anschutz, who demonstrated their best scicomm skills while teaching attendees about their biomedical research projects. Members of our inaugural **Student Advisory Council** helped facilitate the day, welcoming new and returning community members to the start of another fantastic year of science.

## \*NEW\* STUDENT GRANT PROGRAM

This fall, we launched a new **student mini-grant program!** Furnished by funds from an anonymous donor, this program was created to **alleviate the cost of participation** in the Denver Metro Regional Science and Engineering Fair. Middle and high school scientists were invited to apply for up to \$100 to cover the cost of supplies, materials, or other resources needed to complete their science fair project. Applicants submitted a brief proposal and interviewed with panelists from the DMRSEF team and Project Bridge, a science communication student group based at CU Anschutz. We heard from an impressive group of scientists and thoroughly enjoyed their “Shark Tank”-style project pitches. We awarded four projects (3 middle school, 1 high school) grants of \$100 each. Congratulations to our first-ever mini-grant awardees: **Fenix Guthrie** (Evergreen High School), **Anesh Ilango** (William Bill Roberts School), **Rafaelle Alcid**, **Bianca Aguilar**, and **Adrien Luna** (Harmony Ridge P-8 School), and **Bilen Dejene** (Harmony Ridge P-8 School)!





# RESOURCES AND SUPPORT

The DMRSEF is more than an annual competition, it's a season-long program that supports students through the entire research process. From the first spark of an idea through a fully developed scientific presentation, our **Competition Ready Series** helps students get from start to science fair.

## THE COMPETITION READY SERIES

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### SPEAK WITH A SCIENTIST

During the 21-22 season, DMRSEF hosted 5 'Speak with a Scientist' panels. Multi-disciplinary STEAM professionals shared their career stories and scientific advice with over 75 students and friends of the fair. Through these conversations, attendees were introduced to new career paths and potential mentors.



### SCICOMM WORKSHOPS

108 attendees joined DMRSEF staff for tips and tricks for creating their project materials and preparing for interviews. The series culminated with 2-days of practice sessions, during which students met with a team of mock judges that included past judges, CU Denver students, and other community volunteers.



### SCIENCE FAIR Q&A

DMRSEF staff and our \*new\* Student Advisory Council hosted weekly office hours where Science Fair Pros helped students navigate each step of the science fair process. From paperwork and forms through presentations and interviews, students received individualized feedback to help them succeed!

## THE CU DENVER STEAM TEAM

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The STEAM Team is a cohort of CU Denver undergraduates that support middle and high school students as they explore the world of research. Through hands-on outreach programs and online tutorials, STEAM Team members help students see ***this is what a scientist looks like.***

New to the science fair? Check out the **STEAM Team video library** to help you get started!

# PARTNER-LED WORKSHOPS

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## **SPEAKING IN SCIENCE WITH THE CHERRY CREEK TOASTMASTERS**

During this interactive workshop, led by Cherry Creek Toastmasters Club member Keith Bailey, students learned to be specific, concise, and memorable when sharing their research. Attendees were challenged to communicate the motivation behind their science as they received hands-on coaching from CCTC members and workshopped their project pitches. Throughout the event, we saw our students think deeply about their projects, engage in powerful conversations, and leave with a deeper understanding of the WHY behind their science fair project, not just the how! A huge thank you to our CCTC partners for this wonderfully engaging evening!



## **PERFECTING YOUR PITCH WITH PROJECT BRIDGE**

In January, DMRSEF students joined Project Bridge, a graduate student organization from CU Anschutz, to perfect their science fair “elevator pitches”. During this interactive virtual workshop, the experts from Project Bridge demonstrated how they engage public audiences through their *Science Gong Show* program, which challenges researchers to explain their work without the use of technical jargon. Students then worked with Project Bridge members to craft their own science fair project pitch, engaging in fun exercises and activities. Students left this workshop with new communication skills, ready to record their project video and share their science!



## **INFORMATIONAL WRITING FOR BEGINNERS**

In early February, the DMRSEF team welcomed guest expert, Dr. Ken Mahrer, to share tips and tricks for informational writing. Informational writing, also known as technical writing, is a type of nonfiction writing used to explain complex, technical, and specialized information to audiences who may or may not be familiar with the field. During this workshop students learned to convey information in a clear and organized fashion, communicating content in a way that people actually want to read. The skills learned in this workshop helped students prepare their project abstract, research paper, and written content for their science fair poster - essential skills for any young researcher!



## **DATA ANALYSIS 101: A HANDS ON WORKSHOP**

Data analysis and interpretation are key to effectively communicating scientific outcomes and in early February DMRSEF students were provided a forum to develop these skills. Guest experts from the Colorado-Wyoming Statistical Association and DMRSEF Committees shared tips, tricks, and best practices for collecting and analyzing data. Students were shown how to use Excel to organize and process data, guided through basic data visualizations, and taught simple statistical tests to assess the significance and integrity of their results. Individualized conversations with the experts helped students to better understand and thoughtfully interpret their results.

# ANATOMY OF A VIRTUAL FAIR



When January's Omicron surge uprooted plans for an in-person fair, the DMRSEF community agilely shifted online. Driven by the successes of 2021, we continued to use the virtual event platform Symposium, challenging students to convert their tri-fold posterboards into digital slide decks. Pre-recorded elevator pitches and virtual judge interviews allowed students to flex their science communication skills. Virtual outreach events, including a STEAM activities fair and student trivia night, kept the community connected and engaged.

## VIRTUAL PROJECT SHOWCASE

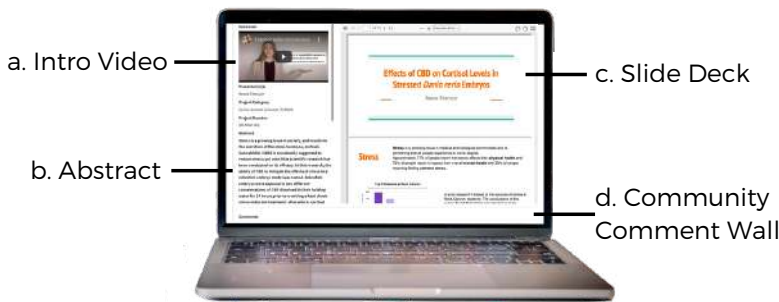


Fig 1. DMRSEF Virtual Showcase

**2,500**

visits to the DMRSEF Virtual Symposium during fair week

## ONLINE JUDGE INTERVIEWS

**190**

Zoom interviews on Saturday, Feb 26th and Sunday, Feb 27th

- a. STEAM Professionals
- b. Community Partners



- c. University Students
- d. Fair Alumni

Fig 2. Zoom Judge Interview

## STEAM ACTIVITY KITS

- a. CoorsTek: Ceramics through Playdough
- b. NSA Colorado: Invisible Ink Demo



- c. Think Like a Scientist: Magic Milk Experiment
- d. More activities, swag, and science fun!

**200+**

STEAM Activity Kits delivered to students by DMRSEF staff

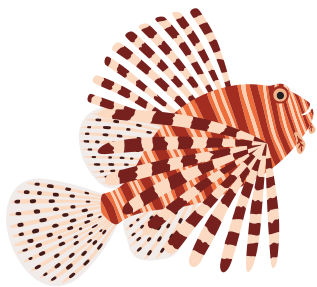
Fig 3. These STEAM Activity Kits were funded by a 2022 Society for Science Equity Grant





## FRIDAY: SPEAK WITH A SCIENTIST

Students, teachers, and classrooms from around the state were invited to two special sessions of our popular 'Speak with a Scientist' series. Panelists represented a variety of STEAM disciplines - from materials science engineering, to sociology and marketing, to immunology.



A staple of the DMRSEF, the STEM activities fair teaches students about the real-world applications of research science. With help from new and returning community partners and the magic of Zoom, students spent the evening participating in hands-on at-home projects that ranged from making invisible ink with the NSA to learning about Zebrafish and the brain with neuroscientists from CU Anschutz.

## SATURDAY & SUNDAY: JUDGE INTERVIEWS



The weekend brought on the main event of our academic competition. Students interviewed with a single panel of expert judges rather than giving a series of individual presentations throughout the day. Judges were given a week to review student materials allowing them to prepare in-depth, project-specific questions. The integration of asynchronous virtual presentation materials in addition to the live interviews allowed students' diverse talents to shine through in new ways.

## SATURDAY: STUDENT TRIVIA NIGHT

After a day of judge interviews, students were ready to decompress and have fun! Our students-only Trivia Night gave participants a chance to meet other young scientists and show off their STEM knowledge while competing for awesome prizes.



## MONDAY: AWARDS CEREMONY & KEYNOTE

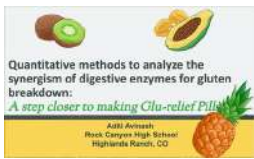
The 2022 fair concluded with a virtual celebration of this year's science fair participants. Featuring a keynote address from astronomer Dr. Phil Plait, we kicked off the night thinking about 'How We See our Universe' and geeking out over some out-of-this-world images! During our awards ceremony, we recognized the many students, teachers, mentors, families, and volunteers that made the 2022 fair a resounding success and awarded more than \$10,000 in cash and prizes.





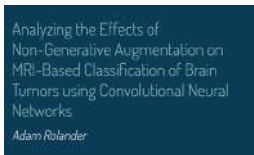
# BEST IN FAIR WINNERS

## SENIOR DIVISION



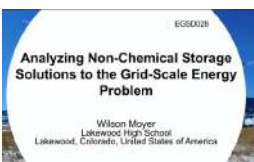
**1st Place: Aditi Avinash, 10th Grade, Rock Canyon High School**

*Quantitative methods to analyze the synergism of digestive enzymes for gluten breakdown: A step closer to making Glu-Relief Pills*



**2nd Place: Adam Rolander, 11th Grade, Prospect Ridge Academy**

*Analyzing the effects of non-generative augmentation on MRI-based classification of brain tumors using convolutional neural networks*



**3rd Place: Wilson Moyer, 11th Grade, Lakewood High School**

*Analyzing non-chemical storage solutions to the grid-scale energy problem*



**1st Alternate: Emma Seliskar**

12th Grade, Evergreen High School



**2nd Alternate: Ethan Lou**

9th Grade, Cherry Creek High School

## JUNIOR DIVISION



**1st Place: Aanshi Shah, 7th Grade, Thunder Vista P-8**

*Wheel of Fortune: A novel approach to prevent wastage of water*



**2nd Place: Saahithi Kasa, 8th Grade, Challenge School**

*The Heat of the Matter: Increasing relative humidity with soil additives*



**3rd Place: Chayse Rawsky, 8th Grade, Friends School**

*Ponder This: How wildfire smoke affects the growth and health of ponderosa pine trees*



**Honorable Mention: Chloe McCrea**

8th Grade, Christ the King Roman Catholic School

# BEYOND DMRSEF:

# CSEF



DMRSEF was thrilled to nominate 37 students to compete at the 2022 Colorado Science and Engineering Fair (CSEF). Held on April 7-8, 2022 at Colorado State University Fort Collins. Our students rocked the event, winning 21 category awards, 47 special awards, and 2 Best of CSEF awards.

## BEST OF CSEF WINNERS

**1st Place: Gitanjali Rao, 11th Grade, STEM School Highlands Ranch**

*Early directional diagnosis of prescription opioid addiction using  $\mu$  opioid receptor*

**2nd Place: Rhys Hanson, 11th Grade, Conifer High School**

*To Apogee and Beyond*







# BEYOND DMRSEF:

# ISEF



In May, five brilliant DMRSEF scientists competed at the International Science & Engineering Fair (ISEF), which returned as a hybrid in-person event for the first time in two years. The event featured the work of over 1800 high school students representing 90 countries competing for more than \$8 million in cash, scholarships, and other prizes.

The in-person portion of ISEF was held on May 7-13th in Atlanta, GA. DMRSEF team members Erin and Kayla were thrilled to attend with four students and their families for a week filled with new friends, countless laughs, and unforgettable experiences. From pin trading to whale sharks and late-night practice sessions, it was an incredible end to the 2022 fair season.

## 2022 ISEF PARTICIPANTS

**Aditi Avinash, 10th Grade, Rock Canyon High School**

*Quantitative methods to analyze the synergism of digestive enzymes for gluten breakdown*

**Rhys Hanson, 11th Grade, Conifer High School**

*To Apogee and Beyond*

**Wilson Moyer, 11th Grade, Lakewood High School**

*Analyzing non-chemical storage solutions to the grid-scale energy problem*

**Gitanjali Rao, 11th Grade, STEM School Highlands Ranch**

*Early directional diagnosis of prescription opioid addiction using  $\mu$  opioid receptor*

**Adam Rolander, 11th Grade, Prospect Ridge Academy**

*Analyzing the effects of non-generative augmentation on MRI-based classification of brain tumors using convolutional neural networks*



“ Participating in DMRSEF, CSEF, and ISEF, I was able to pursue research in my area of passion. I delved deeper into my topic than I could have imagined while making incredible friends, meeting industry professionals, and developing confidence in myself and my research and presentation skills. ”  
 -Rhys Hanson

“ ISEF not only allowed me to learn about the incredible research of so many kids across the globe but also allowed me to make lifelong friends and memories that I will never forget. Being able to present our projects to the judges motivated me to improve upon my ideas, taking into consideration their feedback and expertise. ”  
 -Gitanjai Rao



“ Being at ISEF was an incredible opportunity and I will never stop feeling grateful. Meeting people from all over the world, presenting my research in a global competition, and making amazing friendships was immensely empowering. ”  
 -Wilson Moyer



# STUDENT ADVISORY COUNCIL



## SASANK VEPA - ROCK CANYON HIGH SCHOOL

Why hello there! My name is Sasank Vepa, and I am going into 10th grade at Rock Canyon. I've been intrigued by science for a long time, so the opportunity that I got to be involved in the science fair last year was truly an astonishing opportunity, and now I'm getting the opportunity to actually help organize it which is even cooler! I love music and my hobbies are reading, playing basketball, and I also love to think.



## SIENA NEGRÓN - SKYVIEW ACADEMY

Hello my name is Siena Negrón and I am an incoming junior at SkyView Academy. At my school I am involved in student council, soccer, and theater. In my free time I enjoy reading, writing, and binge-watching Modern Family! I love spending time with my family and playing board games and I welcome lots of new opportunities.



## ADITI AVINASH - ROCK CANYON HIGH SCHOOL

Hi everyone, my name is Aditi Avinash! I am a rising junior at Rock Canyon High School, and I have been participating in the science fair for the past 3 years! This year I had the privilege of representing DMRSEF at Regeneron ISEF! Apart from the science fair, I am a classical Indian singer and dancer, and I am also a fencer. In my free time, you can catch me re-reading Percy Jackson, or binge-watching The Office! I love traveling, and trying new things, and I am really excited to get to know you!



## CEDAR WINE - NIWOT HIGH SCHOOL

I am a passionate learner and caring individual heading into my junior year of high school. I enjoy exploring my many academic-focused passions including my love for science (specifically biology & medical sciences), other languages/cultures, and mathematics. Outside of academics, you can find me refereeing, watching, playing or coaching soccer, playing around with technology, or enjoying the outdoors with my family.



## TYLER BURT - COLORADO SCHOOL OF MINES

I am a graduate of Wheat Ridge High School and a member of the Colorado School of Mines Class of 2025. I participated in the DMRSEF for three years and represented DMRSEF at the 2021 Regeneron ISEF with my project, "A Novel Mask Insert to Reduce Habitual Particle Transmission," earning fourth place in the category of Embedded Systems. Outside of the science fair and research, I enjoy mountain biking, golf, and spending time with my family.

The Student Advisory Council (SAC) is a group of passionate students dedicated to the Denver Metro Regional Science and Engineering Fair. We meet monthly with the DMRSEF directors, acting as **the bridge between students and the fair**. Our goal is to ensure all students can participate in the fair and aim to make resources **equitable and accessible** to students across the Denver Metro area. During the 2021-2022 season, we volunteered to help run events such as the Season Kick-Off event and Science Fair Q&A sessions. We also helped put together the goody bags and activity kits that each fair participant received during fair week. The SAC brainstorms new ideas for how to make the fair more productive and fun, honing in on important skills such as **teamwork, collaboration, and critical thinking**.

- Aditi Avinash & Siena Negrón



“ As a past science fair participant, I have really enjoyed the opportunity to connect with this group of talented, committed, and passionate people that help run the fair and make it a great experience for students. And I've enjoyed connecting with new fair participants and being able to pay it forward. ”

-Tyler Burt

“ Going to the kickoff event where I was supposed to facilitate the discussion, I ended up learning more from the younger students than they did from me. That was really humbling and really exciting, to be learning about science and to not be afraid of not knowing something. To just be curious. There are all these kinds of science, and it's okay to not know stuff. This has been a great experience for me to not be afraid of the unknown. ”

-Siena Negron



“ Being part of the SAC is fun AND a learning experience. It's really cool because you gain leadership qualities while helping out the fair. This is an experience you don't want to miss. ”

-Sasank Veepa

“ I like how the DMRSEF program focuses on outreach and making sure everyone, no matter what experience they have with the fair, continues to have the same passion and love for learning science. Science fairs have a reputation for being "cut-throat" and that mentality just isn't true here. ”

-Aditi Avinash





# ADVANCING SCIENCE RESEARCH TEACHING



This summer, the DMRSEF team held our first ever week-long teacher professional development workshop in partnership with Michael Blueglass, founder of Advancing Science Research Teaching (ASRT). Thanks to funding from ZEISS, 11 local high school teachers joined the DMRSEF team and Mr. Blueglass at CU Denver from June 6th-10th, 2022. The group spent the week learning, brainstorming, and collaborating to increase science research opportunities for their students. The workshop left them with knowledge, activities, and new colleagues to jump-start efforts in their classrooms and establish new science research programs and clubs. We look forward to continuing to work with these ASRT alumni and seeing their research programs grow.



  **A.S.R.T.**  
Advancing Science Research Teaching  
Made possible by funding from ZEISS   ASRT 2022 – Denver, CO  
Hosted by the Denver Metro Regional  
Science & Engineering Fair (DMRSEF)

## 2022 END-OF-SEASON CELEBRATION

On Monday, June 6th we held our 2022 End-of-Season Celebration. After several years of missing in-person competitions, workshops, and awards ceremonies, we were excited to gather our 2022 student award winners, their families, and many science fair supporters. We enjoyed delicious food, scrumptious treats, and wonderful company. We delighted in watching students connect, many of whom had never met in person before. We celebrated our fabulous student scientists and shared our many thanks with the families, teachers, and mentors who support them. We hope to have many more celebrations in the next year!



# COMMUNITY ADVISORY COUNCIL

The DMRSEF Community Advisory Council brings together fair alumni, parents, teachers, community organizations, and partners to strengthen our commitment to diversifying the DMRSEF community and bringing new voices to the table as we map out the future of our fair. Community Advisory Council meetings are held quarterly and provide a source of inspiration as council members envision new avenues to expand the reach of the fair. We are thankful to our inaugural class of advisory council members for their commitment to empowering student scientists.

**Courtney Butler**

**Ashley Clutter**

**Mike Ferrara**

**Lindsey Hamilton**

**David Hook**

**Pam Jansma**

**John Jenkins**

**Randel Mercer**

**Jennifer Piche**

**Bharathi Rao**

**Robert Sanchez**

**Meredith Tennis**

**Ron Vasquez**

**Heather Waldron**

# OPERATING COMMITTEE

The science fair, even when held virtually, would not be possible without the support of our amazing Operating Committee. This team of 12 volunteers shares their time, expertise, and skills each year to make the fair a reality. Our Operating Committee meets monthly from September to May. They help to organize the fair schedule, lead the Scientific Review Committee, support outreach events, advertise the fair, and ensure the fair is both fun and logistically feasible. The DMRSEF team is incredibly grateful for the dedication of the Operating Committee.

**JoJo La**

**Courtney Butler**

**Zach Richards**

**Ashley Clutter**

**Tracy Kohm**

**Hannah Moran**

**Courtney Wilson**

**Brian Jackson**

**Casey Davenhill**

**Alison Fernandez**

**Jesse Hinckley**

**Muhammad Hussain**

**Mikayla Barr**

**Brianna Federico**

# LOOKING FORWARD: 2022-2023 DMRSEF

2022-2023 will mark the 60th annual Denver Metro Regional Science and Engineering Fair! This year we hope to see our community grow, through the addition of new members to our Student Advisory Council and Community Advisory Council and by welcoming new schools, teachers, and students to participate in our regional science fair. We look forward to visiting schools, hosting more in-person community events, and continuing to inspire and mentor the new generation of STEAM professionals and science advocates. We are excited to celebrate **#60YearsofScience** with you, from our kickoff event in September through our end-of-year celebration in June!

## THE DMRSEF TEAM



Erin Golden, Ph.D. is the Director of the Denver Metro Regional Science & Engineering Fair as well as the Director of Undergraduate Research and Creative Activities at CU Denver. In both of these roles, her focus is on creating training opportunities for emerging scholars and helping them access the support and resources they need to jump-start their research careers. Dr. Golden earned her Ph.D. in Neuroscience from Johns Hopkins University in 2015 and spent over 12 years as an NIH-funded biomedical scientist before joining the world of academic administration. Erin is passionate about mentoring and credits her professional and personal successes to the mentors that helped guide her along the way. She is thrilled that in her two Director roles she gets to be a mentor full-time, helping middle school, high school, and college students build their scientific identities and fall in love with research.



Kayla Ahr is the Associate Director of the Denver Science Fair and has been with the fair since 2018. She is currently a second-year Graduate student at the University of Colorado Denver, studying Sociology. Kayla found her passion for academic and scientific outreach through her extensive experience in Problem Based Learning and strongly values cross-disciplinary research and the importance properly communicated science has in shaping our future. This appreciation has driven her career path in working to develop STEM pipeline programs to support future generations of socially informed researchers.



Samantha Sands is the Outreach & Engagement Program Director for the Denver Metro Regional Science & Engineering Fair. Samantha earned her bachelor's in Environmental Geology at the University of Michigan and a Master's in Museum Studies from the University of Colorado Boulder. She was the lead earth and space science educator at the Denver Museum of Nature & Science from 2010-2019. Samantha has over 18 years of experience in science education and community engagement. She has been involved in the DMRSEF since 2011 as a judge and judge coordinator. Samantha enjoys working with the STEAM Team and DMRSEF community to inspire the next generation of scientists.



# THANK YOU VOLUNTEERS

Ahmad Afif Abdul Majid	David Merriam	Joseph Kerski	Muhammad Hussain
Aleezah Balolia	Devon Conradson	Julie Tannehill	Nicole Brown
Alexandra Huffman	Diego Burciaga	Justin Douglas	Olivia Schneble
Alison Fernandez	Ed Ahr	Kaitlin LaFlamme	Pamela Jansma
Alison Xie	Elisabeth Cohen	Kaitlyn Hoover	Paul Gendler
Alya Sharbaugh	Elissa Flaumenhaft	Karli Swenson	Paul Marynowski
Amy Morrissey	Elizabeth Spear	Katie Bidne	Peter Eide
Andrew McDivitt	Emily Kleczko	Katrina Baer	Peter Montano
Anna Crawford	Emily Wagner	Kayla Kurzawa	Piper Malczewski
Anthony Snead	Eric Wilson	Keisha Alexander	Qing Yang
Arwen de la Torre	Ester Oh	Kenn Link	Randel Mercer
Ashley Clutter	Fedri Marrugo	Kenneth Mahrer	Rene Begay
Ben Nathan	Ginny Quaney	Kerrie Gath	Renee Park
Benjamin Appleby	Greg Cocks	Kevin Cash	Rex Tien
Bennet Madigan	Hanmant Gaikwad	Khalid Aada	Robert Sanchez
Bethany Veo	Hannah Actor-Engel	Kirstin Seurer	Ron Vasquez
Bill Wemmert	Hannah Jones	Kushal Kandhari	Ryan Adler
Brandon Guerrero Acevedo	Hannah Moran	Larry Doran	Salim Lakhani
Brian Hostetler	Heather Waldren	Laura Archibold	Sapna Rao
Brian Jackson	Heidi Tennesand	Lauralee Arnold	Sarah Bowman
Brian Reed	Ian Ridley	Lauren Habenicht	Scott Troy
Brianna Federico	Ivan Ramirez	Lauren Shechtman	Shelly McCain
Casey Davenhill	Jacob Torrens	Lindley Hamilton	Sonia Valencia
Cathy Flowers	James Crawford	Lindsay Osso	Spencer Bowles
Chloe Seibert	James Hassell	Lisbet Finseth	Stephanie Ander
Christina Ebben	Jelena Kresoja	Lorraine Davis	Steve Eddy
Christina Elling	Jennifer Jewell	Lory-Ann Varela	Sudipta Panja
Christopher Green	Jennifer Lofgren	Madison Ricco	Tigist Yedako
Ciaran Shaughnessy	Jennifer Piche	Mallory Hiss	Tracey Ferrara
Courtney Butler	Jennifer Stricklin	Mandy Richer	Tracy Kohm
Courtney Mattson	Jesse Hinckley	Mareem Jabbar	Tyler Burt
Courtney Wilson	Jessica Warns	Mark Ciccaglione	Valeria Rivera
Coy Zimmermann	Jimmy DeMayo	Melissa Barru	Xiaomei Sun
Cristina Cenciarelli	Jimmy Nolin	Melissa Tackett-Gibson	Xingyu Chen
Daniela Gonzalez-Rivera	John Andreoni	Meredith Tennis	Yami Mendoza
Daniela Pennycook	John Jenkins	Michael Ferrara	Zach Richards
Darcy Flora	JoJo La	Michelle Nolen	Zarina Nusridinova
David Hook	Joseph Briggs	Mikayla Barr	Zhengxiong Li

DMRSEF IS MADE  
POSSIBLE BY:

COORSTEK®



College of Liberal Arts and Sciences  
UNIVERSITY OF COLORADO DENVER



SOCIETY FOR SCIENCE



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UNIVERSITY OF COLORADO DENVER

**WE THANK YOU**  
**FOR YOUR CONTINUED SUPPORT OF**  
**OUR PROGRAMS**

SAVE THE DATE FOR THE 60TH ANNUAL DMRSEF:  
FEBRUARY 24TH & 25TH, 2023