



STATE OF OUR SCHOOL

NOVEMBER 30, 2021 | SCHOOL COMMUNITY FORUM



STEM SCHOOL
HIGHLANDS RANCH



WELCOME! TOPICS FOR TODAY

1	Welcome and Board Update	Dr. Penny Eucker Mr. Roy Martinez	Executive Director Board President
2	2021 - 22 State of STEM	LynAnn Kovalesky, Maura Ridder and Ryan Alsup Nicole Bostel	School Directors Director of Communications
3	Teacher Support	Michelle Gasser	Director of Professional Development
4	Highlights by the Numbers	Dr. Karen Johnson	Director of Curriculum and Accountability
5	Student Support	Christina Wu & Jess Monda	Director of Student Support STEM Center for Strength Coordinator
6	Student Government		
7	Facilities	Robert Hoornstra	Chief Operating Officer
8	Enrichment	Sara Phelps	Enrichment Coordinator
9	SAC: School Accountability Committee	Kelly Reyna	Chair – SAC
10	PTO: Parent Teacher Organization	Heidi Petersen	PTO Co-President
11	Q & A and Discussion	STEM Leadership	



BOARD UPDATES

MR. ROY MARTINEZ



- Board is back to a nine-member board with one opening and has resumed in-person Monthly Board Meetings.
- Board has tasked Dr Eucker and the Leadership Team with refocusing the Strategic Plan with Administrative Directors leading specific goals.
 - Strategic Plan Dashboard was created to track KPI data and performance
 - Strategy Team (Goal Leaders) meet monthly with facilitator Christy Clay on moving goals forward.
 - Strategic Plan Community Night is set for January 13, 2022.
- Board approved the Bond and next steps for the completion of the STEM main campus Master Plan.
 - New CHSAA Gymnasium and Building Remodel Project Groundbreaking was November 12.
 - Renovations to the P-TECH Building are starting



STATE OF OUR SCHOOL

SCHOOL DIRECTORS



2020-21 Highlights

- TIME Magazine's first Kid of the Year recipient, Gitanjali Rao (January 2021)
- Ranked No. 10 (of 497 schools) among Colorado High Schools by US News and World Report (May 2021)
- Elementary School ranked No. 1 out of 60 public schools, Middle School ranked No. 1 out of 23 public schools and High School was ranked No. 1 out of three charter schools in DCSD by Niche.
- Two students named National Merit Scholarship recipients.
- Tyler Wright named National Cyber Scholar.
- STEM place third at the Jacob's Innovation Challenge Award.
- Ian Boraks honored as a Rensselaer Polytechnic Institute Medalist.
- Gitanjali Rao named 2021 Prudential Spirit of Community National Honoree and a 30 Under 30 by National Alliance for Public Charter Schools.
- Eric Fiechtner earned Summer NASA internship with the Mars Exploration Team Project.
- Connor Railsback announced as Daniels Scholarship Recipient.
- 110 Senior Graduates were accepted to college at the end of the 2020 school year. (98% applied and accepted to college)

2021-22 Highlights so far

- Highest overall SAT scores within Douglas County Schools and 7th highest scores in the state (2021)



Stem Stronger Together...Administrators, Teachers, Staff, Students and Families

- Teachers are collaborating twice a week in PLCs and logistics planning, which includes discussions centered on student learning outcomes and PBLs.
- Classes are participating in regularly scheduled Second Step lessons and community circles at K-5.
- Additional teacher and student restorative practice support from the K-8 Dean, Mrs. McElroy
- PBLs are being successfully implemented at all levels with support from the Teacher Support Team.
- ES Goals for the year:
 - Increased parent partnerships through frequent, respectful, clear communications and parent participation.
 - Piloting a core reading program and phonics lessons.
 - Teacher feedback through a year long evaluation system that promotes professional growth and development



MIDDLE SCHOOL

- Since the start of school, Middle School students have been learning in person with an option to attend virtually.
- Staff meets weekly for PD and PLC work;
- Commitment to PBL, SBL, MTSS; Office Hours; Clubs; Department Meetings; SEL
- Updated Discipline and Behavior Plan - Restorative Practices
- Weekly Staff Newsletter: *The Secondary Scoop*
- New Evaluation System focusing on support and growth: four informals and one formal per year.
- New Computer Science teacher starting in January
- Field Trips: 6th grade - Keystone; 7th grade - Sea Camp; 8th grade - Boston
- Events have included:
 - Cyberpatriot: Students find and fix cybersecurity vulnerabilities in virtual operating systems. Using a proprietary competition system, teams are scored on how secure they make the system. Top teams have advanced through the online round of competition, and the best of the best advance to the in-person National Finals Competition.
 - Best Robotics: MS won 5th place overall (defeating 3 high school teams)
 - TSA - Open House "Cocoa and Cookies" - State Competition February 24-26
 - Student Government is planning a Movie Night December 15, Spirit Week the last week of school, and a Dance in February.
 - Theatre: January Play - She Kills Monsters; Monthly Improv/Comedy Sketch Nights; Thescon December 2-4; Spring musical - Little Mermaid



- Welcomed Ryan Alsup, High School Director and Athletics Director to STEM
- High quality Problem-Based Learning and a commitment to Social-Emotional Learning
- High academic standards and intellectual rigor
- Equally high social emotional support and rigorous character development.
 - Growing student leadership
 - PBL driven curriculum
- We view every student as having infinite potential and will support them to achieve their absolute best.



- This is our final year as a provisional school with CHSAA, next year we will be fully vested members of the Confluence League.
- Last year and again this year, we are competing as a guest school in the newly formed Foothills League. We anticipate continuing this relationship moving forward to fill our non league schedule requirements.
- We currently offer 7 sports and anticipate adding more.
- This year despite Covid, our XC team ran a full schedule of 10 meets and took 2nd place as a guest school at the Confluence League Meet.





TEACHER SUPPORT TEAM

MICHELLE GASSER
DIRECTOR OF PROFESSIONAL DEVELOPMENT

STEM School Highlands Ranch | Never Stop Innovating



TEACHER SUPPORT TEAM UPDATE

Year at a Glance

- 3 full time and 1 part time Teacher Support members
- 16 Mentors
- Induction and Alternative Licensure support

Support Includes:

- PBL Development
- Instructional Pedagogy
- Standards Based Learning Development and implementation
- Unit Planning
- Feedback and Observations
- Coverage for teachers to observe others
- Co-teaching/model teaching
- Instructional Technology Support
- Curriculum Implementation
- Differentiation
- Resource Procurement
- Quick Breaks



As our school matures, we continue to improve our methods for finding and maintaining the best teachers.



WHAT WILL WE BE WORKING ON THIS YEAR?

- Professional Development Focus
 - Standards Based Learning
 - Problem Based Learning
 - Data Driven Instruction
 - Elementary- Guided Reading
- Every other Monday is PLC time for staff
- Weekly PD Newsletter
 - Instructional videos
 - coaching supports
 - culture building activities
 - classroom instruction ideas
- Release days for teachers to work on Professional Development



COMMUNICATIONS

NICOLE BOSTEL

DIRECTOR OF COMMUNICATIONS

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- Expanded focus on Content Development
 - Parent Newsletter had a yearly Open Rate of 52.3%, which is well above the National Industry Open Rate (for Constant Contact) of 27% for Education Industry.
 - Made 516 posts to our Facebook Page that encompassed 73 links, 312 photos, 99 status updates and 70 videos.
 - Sent 109 Tweets that made 124,600 impressions and resulted in 138 mentions.
 - Reached 4,496 people on Instagram through organic content.
 - YouTube Channel recorded 20,120 views, which is up from 3,900 views the year prior.
 - STEM reached people in 24 countries, including the United States with our video content.



- Continue to develop and expand the stemk12.org website.
- Expanded content on Social Media platforms (Facebook, Twitter, Instagram, YouTube, LinkedIn) to increase engagement with our community and Industry Partners.
- Streamlined communications practices to maximize resources efficiently and effectively
 - Weekly Content Calendar
 - Video Content Calendar
 - Sharing our Good News Form
 - Updated Communications Procedures to incorporate best practices and efficiency
- Incorporated School Messenger and its text messaging feature



FINANCIALS

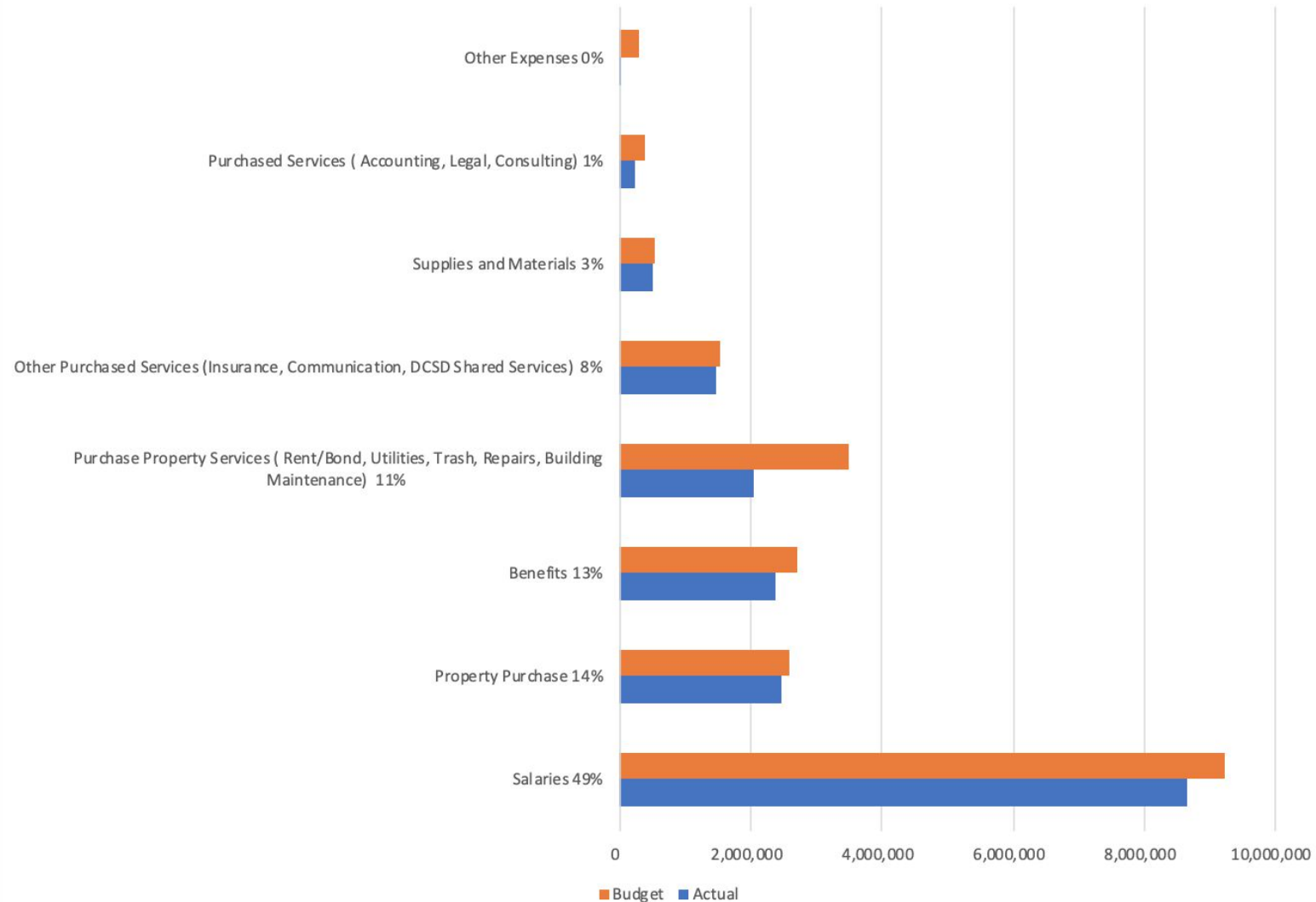
DR PENNY EUCKER
EXECUTIVE DIRECTOR

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FINANCIALS - EXPENSE BREAKDOWN

2020-2021 Audited Comparison of Budget to Actuals





FINANCIAL BENCHMARKS

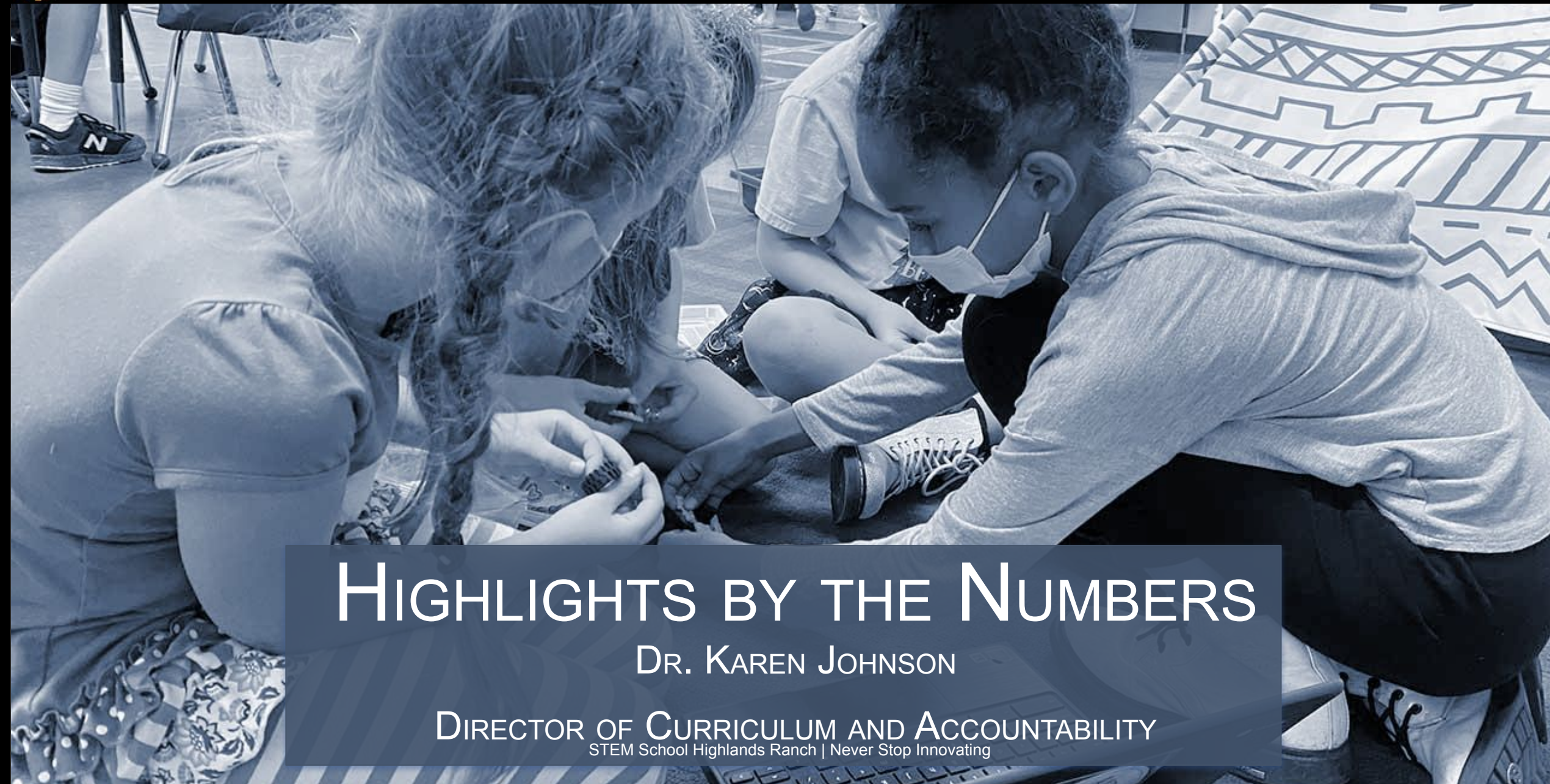
Douglas County Review of Charter School Benchmarks										
STEM										
Ratios & Benchmarks										
1. Asset Sufficiency Ratio (ASR)										
	2020	2019	2018	2017	2016	2015	2014	2013	Benchmark	
General Fund total Assets + Deferred Outflows										
General Fund Total Liabilities + Deferred Inflows	7.46	7.89	5.37	4.44	5.44	5.97	4.01	18.01	≥ 1	
2. Debt Burden Ratio (DBR)										
	2020	2019	2018	2017	2016	2015	2014	2013	Benchmark	
Total governmental revenue of fund(s) paying debt										
Total governmental debt payments	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	≥ 1	
3. Operating Reserve Ratio (ORR)										
	2020	2019	2018	2017	2016	2015	2014	2013	Benchmark	
Fund balance of the general fund										
Total general fund expenditures +/- Net transfers	0.659	0.476	0.264	0.223	0.267	0.366	0.197	0.266	≥ .0192	
# of weeks in reserve	34	25	14	12	14	19	10	14	1.00	
4. Operating Margin Ratio (OMR)										
	2020	2019	2018	2017	2016	2015	2014	2013	Benchmark	
General Fund Total Revenue - (General Fund Total Expenditures +/- Net Transfers)	0.09	0.18	0.06	0.01	0.04	0.17	0.04	0.18	≥ .01	
General Fund Total Revenues										
5. Change in Fund Balance Ratio (CFBR)										
	2020	2019	2018	2017	2016	2015	2014	2013	Benchmark	
Current Year fund balance of general fund - prior year fund balance										
Prior year fund balance	0.50	0.88	0.32	0.05	0.19	1.26	0.04	#REF!	≥ 0	



Board of Directors
STEM School Highlands Ranch and Academy
Page 2

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the discretely presented component unit, and each major fund of the STEM School Highlands Ranch and Academy as of June 30, 2021, and the respective changes in financial position for the year then ended in accordance with accounting principles generally accepted in the United States of America.



HIGHLIGHTS BY THE NUMBERS

DR. KAREN JOHNSON

DIRECTOR OF CURRICULUM AND ACCOUNTABILITY
STEM School Highlands Ranch | Never Stop Innovating



HIGHLIGHTS BY THE NUMBERS

7

SAT Test

(Colorado Statewide Rank, 2021)

79%

K-2 Students at Grade Level in Math, Spring 2021

1 CAMPUS. 4 INTEGRATED SCHOOLS:
ELEMENTARY - MIDDLE - HIGH - PTECH

1668

K-12 Students

5

John J. Irwin School of Excellence Awards

457

Students in AP Courses

86%

K-2 Students at Grade Level in Reading, Spring 2021

1 of 18

PTECH Schools in Colorado

51

Points Higher on SAT as compared to all DCSD schools.

46.1%

Ethnic Diversity of Students

95.8%

Achievement Rating (CDE, 2019)

24

Concurrent Enrollment Courses Offered on Campus

157 SENIORS

78%

Attending a 4-Year College

14%

Attending a 2-Year College

5%

Participating in a GAP Year

92%: Applied and Accepted to College

116

Industry Certificates Earned

10

Colorado High Schools (US News and World Report, 2021)

24

Advanced Placement Course Offerings

2345

Current Concurrent Enrollment credit hours 21-22 school yr

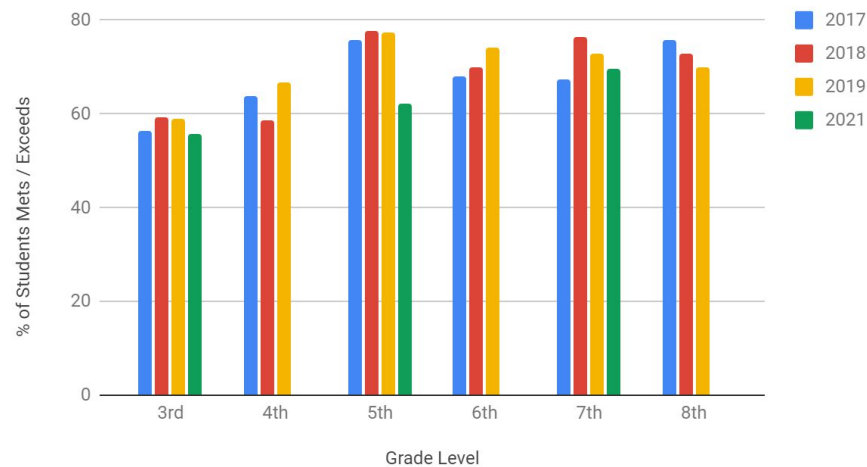


CMAS RESULTS: SPRING 2021

2021 CMAS: English Language Arts

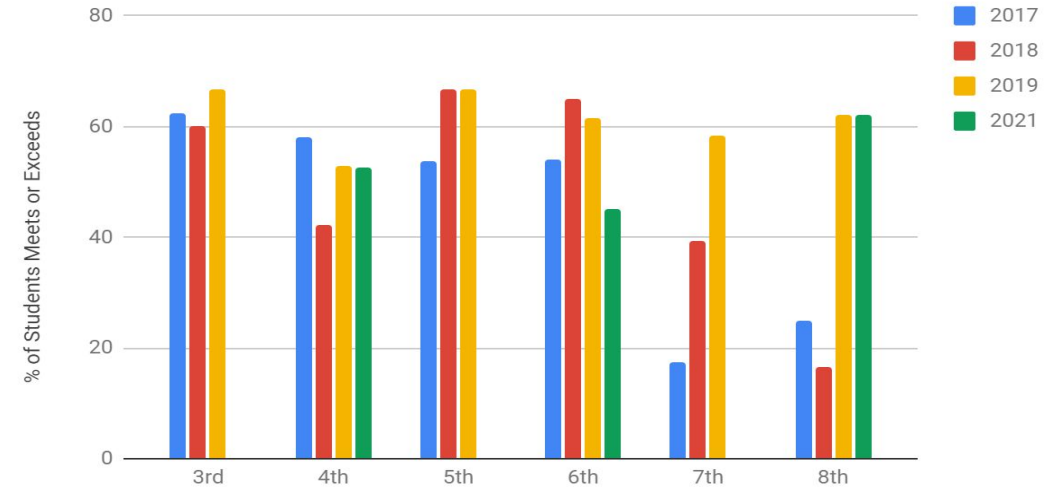
	3rd	4th	5th	6th	7th	8th
State	39.1%	NA	47.2%	NA	42.6%	NA
District	51.9%	NA	61.3%	NA	59.5%	NA
STEM	55.7%	NA	62.2%	NA	69.7%	NA

CMAS ELA: 2017 - 2021



For additional information regarding the STEM School Highlands Ranch Unified Improvement Plan visit:
<https://www.cde.state.co.us/code/schooldashboard>

CMAS Math: 2021

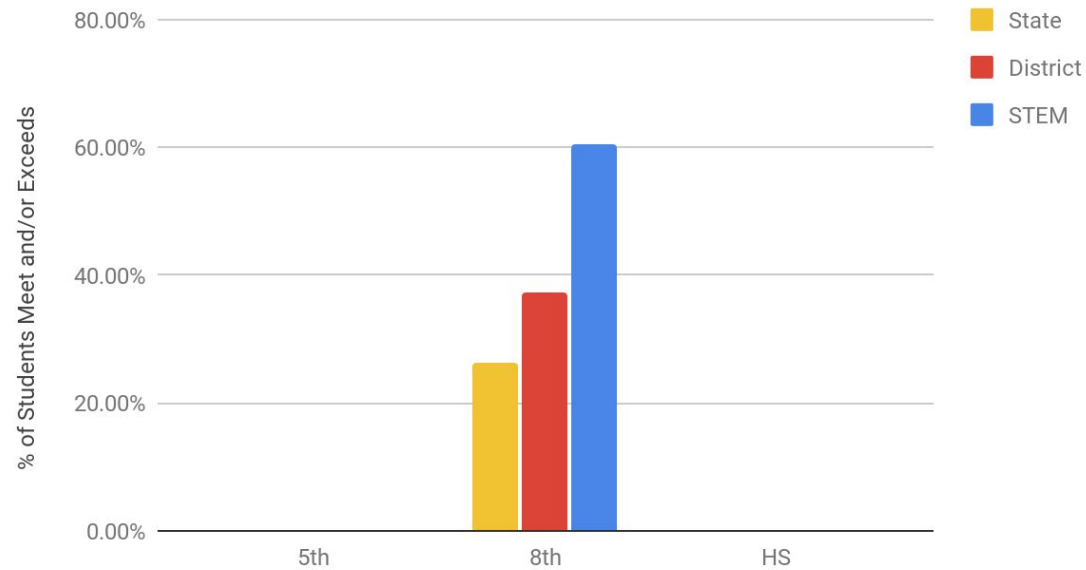


2021 CMAS: Math

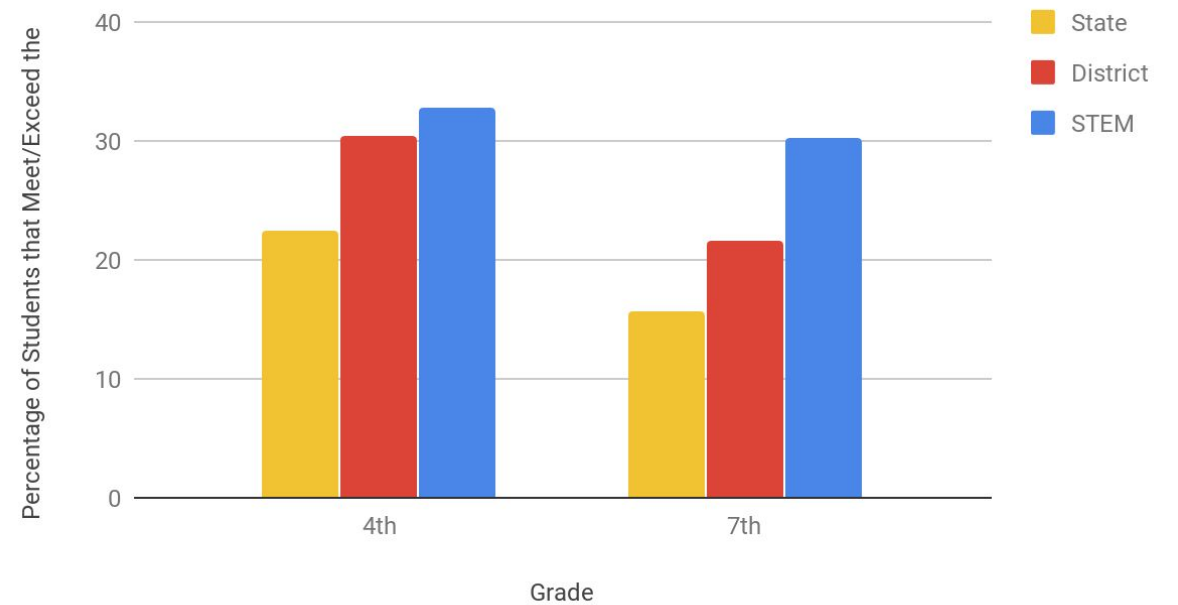
	3rd	4th	5th	6th	7th	8th
State	NA	28.5%	NA	24.1%	NA	29.5 %
District	NA	42.1%	NA	40.6%	NA	42.5 %
STEM	NA	52.7%	NA	45.1%	NA	62.2 %



CMAS: Science 2021



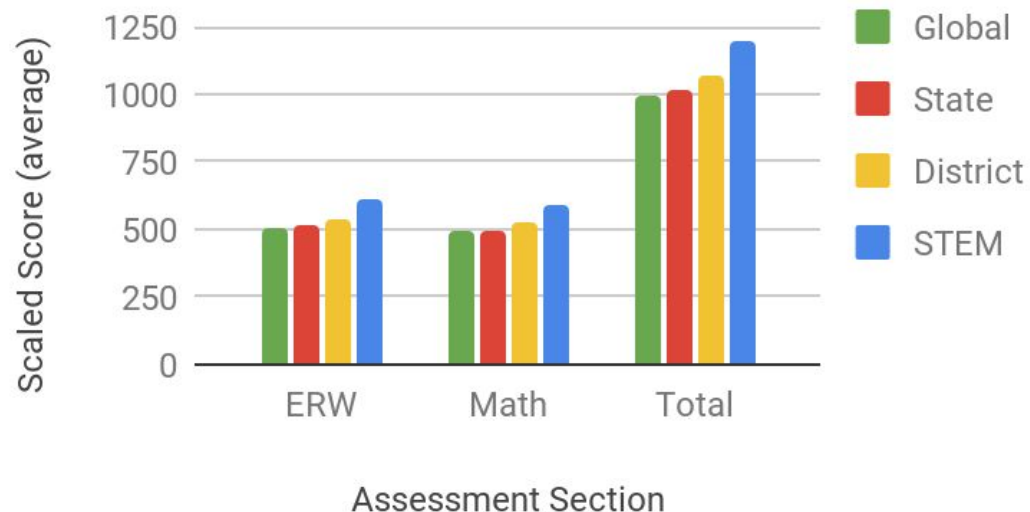
CMAS: Social Studies 2018





2021 SAT AND PSAT RESULTS

SAT Results (139 students)

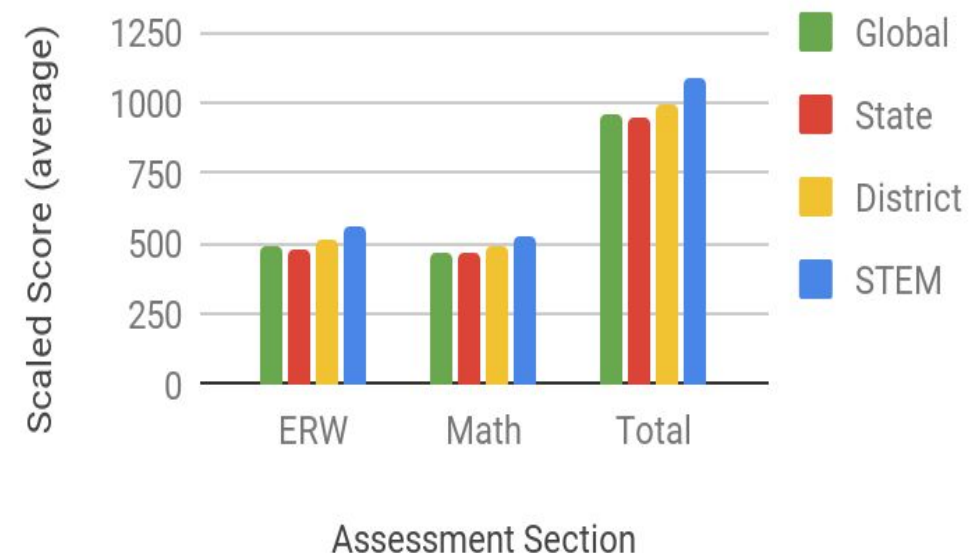


In 2021, **91% of STEM students met the ERW benchmark** which is 18% higher than the district and 31% higher than the state. **76% of STEM students met the Math benchmark**, which is 27% higher than the district and 40% higher than the state.

In 2021, STEM students scored an average total score on the SAT of **1202!** The DCSD average score was 1067 and the state average was 1011. **STEM Students are ranked #7 in the State!**

In 2021, **95% of 10th graders met the ERW benchmark**, which is 14% higher than the district and 26% higher than the state. **67% of STEM School 10th graders met the Math benchmarks**, which is 14% higher than the district and 27% higher than the state.

PSAT 10 (120 students)





ADVANCED PLACEMENT

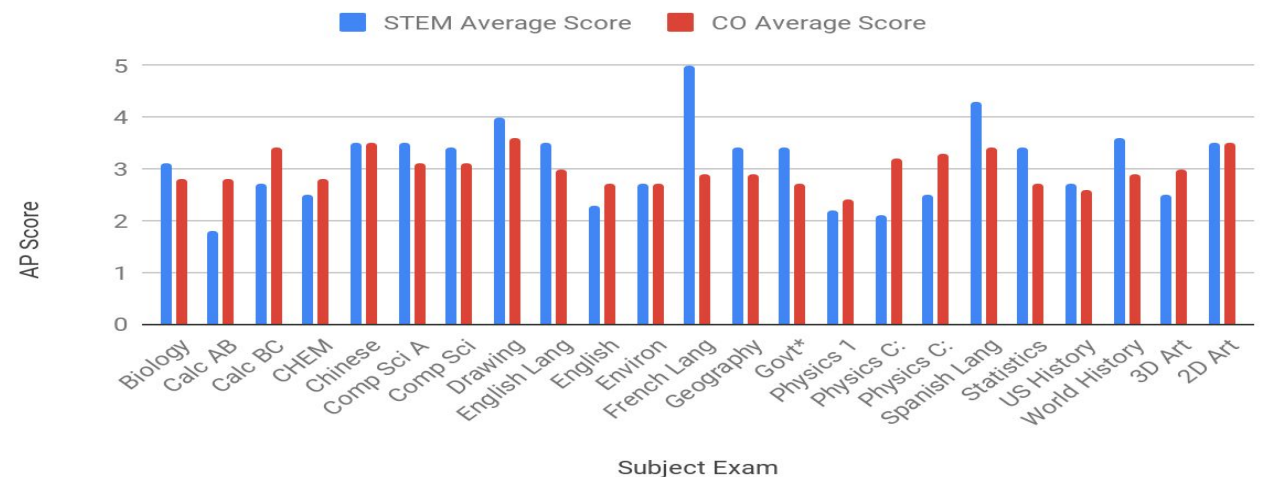
SCHOOL SUMMARY

	2017	2018	2019	2020	2021
Total AP Students	131	187	174	223	253
Number of Exams	245	332	283	404	484
AP Students with Scores 3+	103	146	141	169	175
% of Total AP Students with Scores 3+	78.63	78.07	81.03	75.78	69.17

69% of the total scores earned were a 3 or higher on AP tests in 2021!

STEM students scored an average of 3 or above on the following AP tests: Biology, Chinese, Computer Science A, Computer Science Principles, Drawing, English Language & Composition, French, Human Geography, Government, Spanish, Statistics, World History and 2D Art.

STEM Average Score and CO Average AP Scores (485 exams)





ADVANCED PLACEMENT AND CONCURRENT ENROLLMENT COURSE OFFERINGS

AP Language and Composition

AP Literature and Composition

AP Chemistry

AP Biology

AP Physics I - Algebra based

AP Physics C

AP Environmental Science

AP Calculus AB

AP Calculus BC

AP Human Geography

AP World History

AP US History

AP Computer Science Principles

AP Computer Science A

AP Art Combo

AP Chinese Language and Culture

AP French Language and Culture

AP Spanish Language and Culture

CNG 121 Computer Technician I: A+ & CNG 122 Computer Technician II: A+

CNG 124 Networking I: Network+ & CNG 125 Networking II: Network+

CNG 132 Network Security Fundamentals

ENG 121 English Composition I & ENG 122 English Composition II

ENG 131 Technical Writing

LIT 115 Introduction to Literature

LIT 202 World Literature After 1600

CAD 255 Solid Works/ Mechanical

CAD 262 3-D Printing/ Additive Manufacturing

AEC 110 Architectural Design and Modeling

BUS 115 Introduction to Business

MAR 216 Principles of Marketing

ENP 105 Intro to Entrepreneurship

EIC 102 Electrical Print Reading

ELT 106 Fundamentals of DC/AC

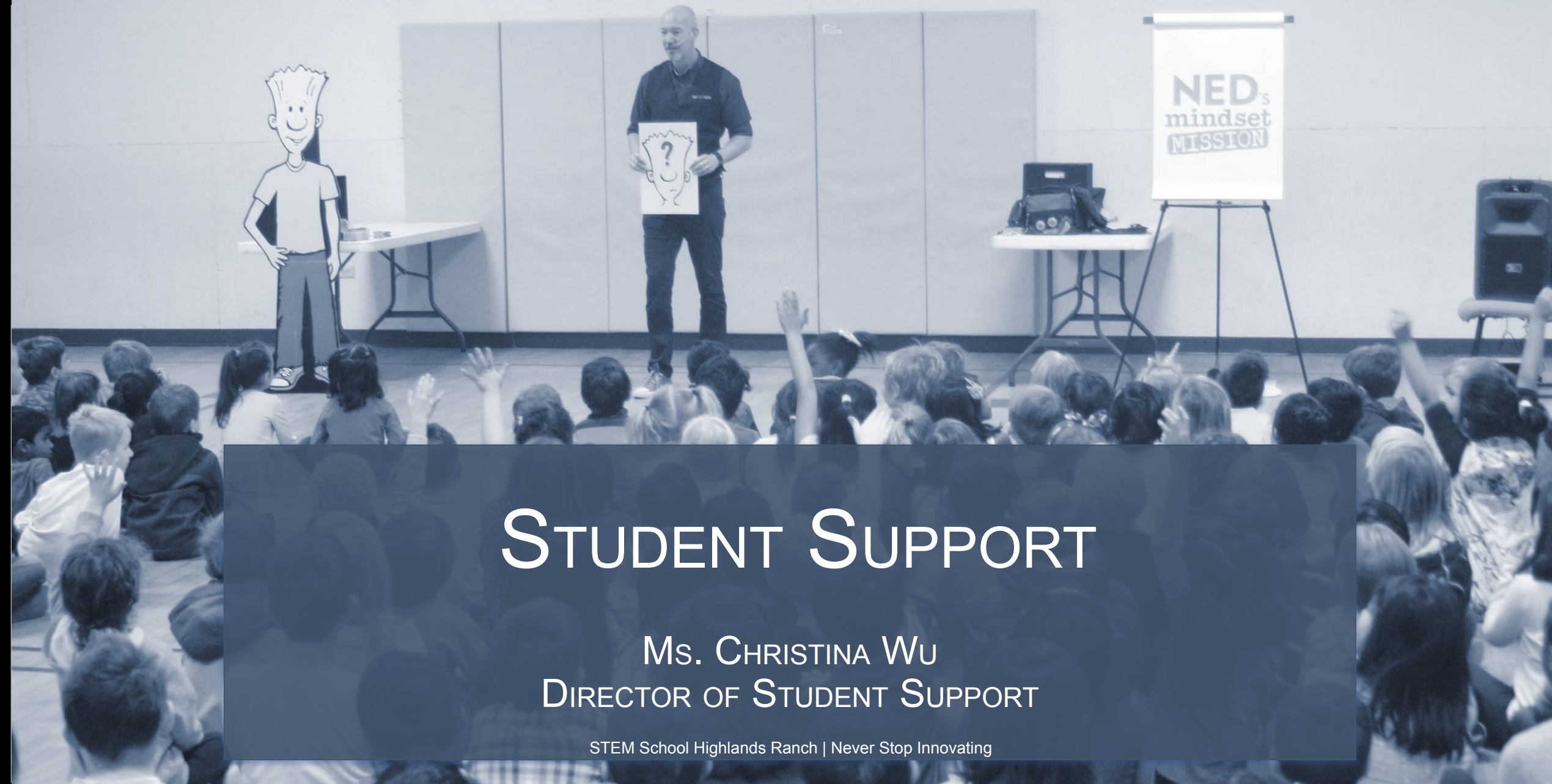
ELT 252 Motors and Controls

ELT 254 Industrial Wiring

ELT 255 Fluid Power

ELT 258 Programmable Logic

ELT 267 Introduction to Robotics



STUDENT SUPPORT

Ms. CHRISTINA WU
DIRECTOR OF STUDENT SUPPORT

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STUDENT SUPPORT STAFF: THIS IS WHO WE ARE

Psychologists	Kristen Lunde (K-5) Rosa Pae (6-8)
Social Worker	Katie Bouchard (9-12)
Counselors	Alex Nardi (6-8) A-L Amy Barker (6-8) M-Z Sheri Langston (9-12) A-L Alyssa Woodward (9-12) M-Z Kelli Myrick (College/Career)
Counseling Support Staff	Julie Fletcher, Counseling Assistant Amelia Reinkensmeyer, Post Graduate Assistant (hired Oct 2021)
All-Health Therapist	Kathleen Shook (part-time)

12

Professions

26

Professionals

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STUDENT SUPPORT STAFF: THIS IS WHO WE ARE

Learning Support Specialists	Jennifer Hughes (K-12 IEP Case Mgr) Shelly Gude (K-5) Mackenzie Campbell (6-8) Becky Hathaway (9-12) Rocki Sugrue (9-12)
Speech Language Pathologists	Rebekah Stoller (K-5) Kelly Paquette (6-12)
Occupational Therapists	Sharon Groeling (K-12)
LSS EAs	Dremi Judd (K-5), Karen Adam (6-12) Kelly Padilla (6-12)
English Language Development (ELD)	Lisa Summer (K-12) Nicole Tellez (K-12) (hired Nov 2021)
Gifted Talented Coordinator/PBL Specialist	Jon Jennings (K-12)
MTSS Coordinator	Karen Cook (K-12)

12

Professions

26

Professionals



STUDENT SUPPORT SERVICES

- Academic and Behavior Support
 - IEPs, 504s, ELLPs, ALPs, RTI
- Social/Emotional Support and Intervention
 - Counselors, Psychologists, Social Worker
 - Regular Student Check Ins and Monitoring, as needed
 - Restorative Practices
 - Referrals to outside resources when needed
- Sources of Strength (secondary)
- PBIS and Second Step (primary)



- Full-Time College & Career Counselor support
- P-Tech
 - Mechatronics
 - Cybersecurity
- Internships
- Mentorships
- CareerWise

The logo for P.TECH features the letters 'P.TECH' in a bold, blue, sans-serif font. A small yellow dot is positioned between the 'P' and the 'T'.

Pathways in Technology
Early College High School



STEM

Center For Strength

www.stemcenterforstrength.org



CONNECT



LEARN



DO



HEAL

May 7, 2019

- 8 individuals were injured and Kendrick Castillo was killed.
- A community was changed forever.



WHO WE ARE

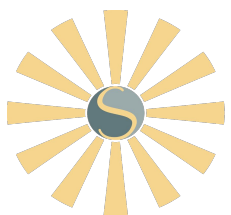


Our Mission:

To promote recovery and resilience for the STEM School Highlands Ranch community through social connection and wellness programming.

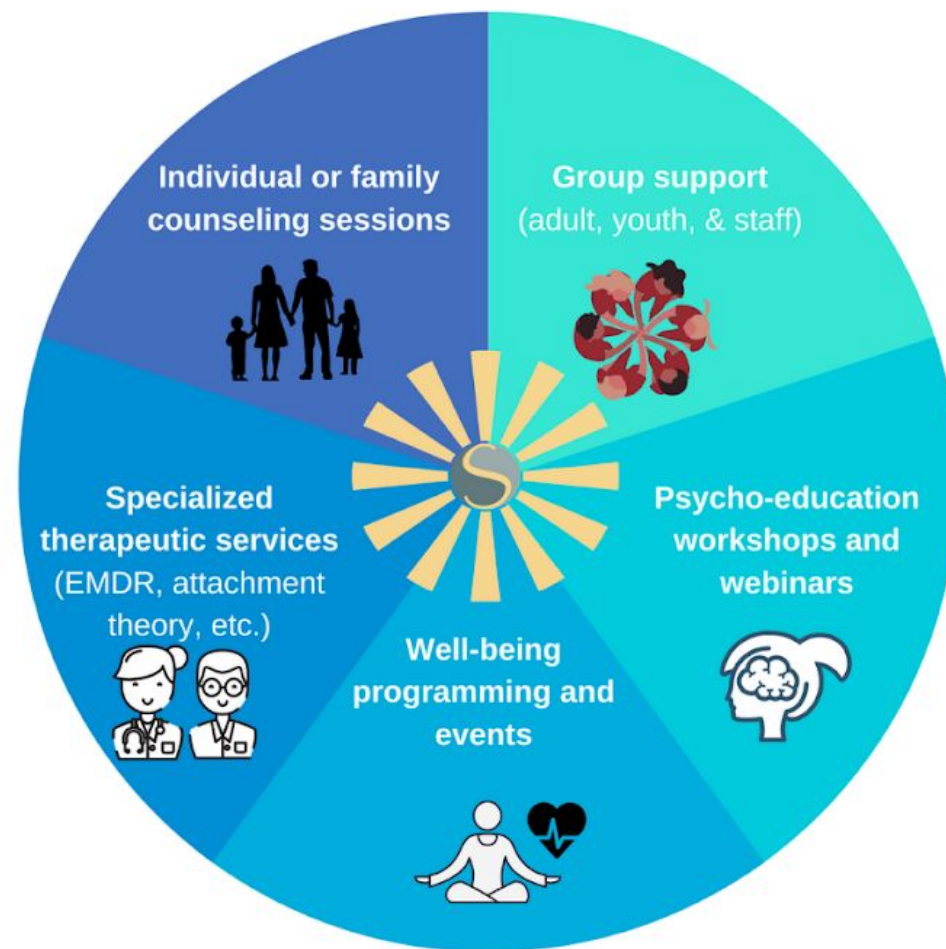
WHO WE SERVE

ANYONE impacted by the events of May 7, 2019



STEM
Center For Strength

WHAT WE DO



2019

July 2019 - Community mental health provider AllHealth Network is selected to oversee additional mental health needs of STEM School Highlands Ranch, students, parents, staff and impacted community members.

August 2019 - A Steering Committee is established to apply for grants from the Office of Victims of Crime (federal) and the Colorado Division of Justice.

September - November 2019 - Applications submitted for an Antiterrorism and Emergency Assistance (AEAP) and Victims of Crime Act (VOCA) grants.

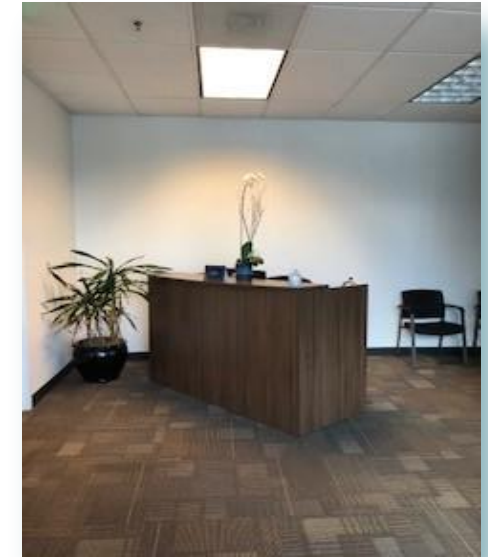
December 2019 - A Recovery Coordinator for STEM School was hired and a property search began for the as yet unnamed resiliency center.



2020

January 2020 - Our lease is signed at 640 Plaza

February 2020 - Name and logo are selected by STEM Students



2020

March 2020 - Our Advisory Committee is established and is comprised of students, parents, staff, and community members in addition to representatives from PFLAG, Colorado Organization for Victims Assistance, and the Colorado Division of Justice. This committee meets monthly and advises STEM Center for Strength as well as serves as a liaison between the STEM Community and the center.

April 2020 - Plans to open STEM Center for Strength are postponed due to COVID-19 pandemic restrictions and all programs and clinical services are moved online.

May 2020 - With assistance from AllHealth Network, STEM Center for Strength hosts several interactive online support opportunities to assist those impacted by the events of May 7 as the community approaches the one-year mark.



2020

Our past and current programming:

****Finding Calm: Monday Mindfulness***

****Supporting Resilient Families*** by the
creators of *Let's Connect*

***Redefining Grief: Loss in the Wake of
May 7*** - series of 5 hikes

****Rising Strong*** Book Club

****Back to School Resiliency BINGO
Challenge***

****Healthy Teen Relationships*** by
Crisis.org

****Psychological First Aid*** - required by Center
volunteers but available to all

****#bringthestoke The Phoenix*** group fitness

****Decompress in the Wilderness***

****Keep Calm at Home*** - by Colorado Spirit and
AllHealth Network

****November Gratitude Challenge*** - #sograteful4

****Grateful4You Week*** - November 16th - 19

****Threshold of Calm***

****Mental Health First Aid***

****Writing Wild***

****A Good Night's Sleep: Sleep Strategies for
Anxious Times***



2021

Our past and current programming:

- *Community Gatherings: Mane Mission***
- *PAWS to Read with the Go-Team Therapy and Crisis Dogs***
- *Resilient Parents support group***
- *Adult yoga***
- *Yoga for Teens***
- *The Body Keeps the Score Book Club***
- *Fidget bracelet making***
- *Mindfulness***

- *Psychological First Aid - required by Center volunteers but available to all***
- *A Good Night's Sleep: Sleep Strategies for Anxious Times***
- *Support during trial and sentencing***
- *Super Smash Bros tournament***
- *Teen Support Forum***



WHO WE ARE

Your Space to CONNECT, LEARN, DO & HEAL



CONNECT



The Center is a place where you can gather, build and maintain relationships, and laugh a little

Dungeons & Dragons Group
Creative Art Stations
Community Gatherings

LEARN



Gain strategies, insights, and understanding related to trauma recovery, parenting, teen relationships, & other relevant topics

Educational Presentations
Programming on Resiliency
Book Clubs

DO



Engage in activities that promote health and wellness

Outdoor Hikes
Yoga
Meditation

HEAL



Access to free mental health services in either a group or individual setting

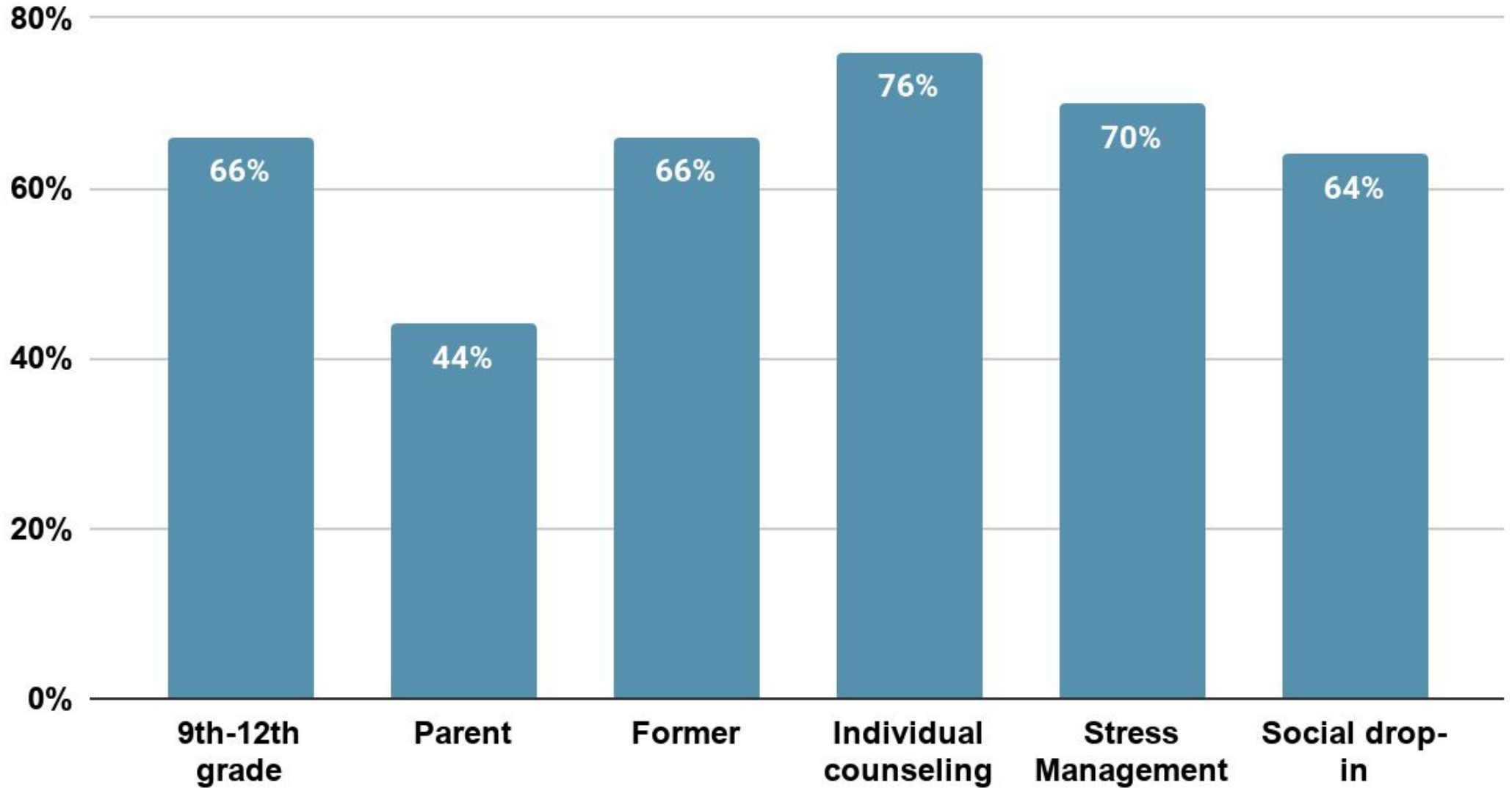
Staff Support Group
Resilient Parent Group
Family / Individual Counseling



JOIN OUR MAILING LIST!

NEED TO TALK TO SOMEONE? CALL OR TEXT 720.980.5761
CENTER HOURS | MONDAY - FRIDAY 9AM TO 5PM
WWW.STEMCENTERFORSTRENGTH.ORG

STEM Community Needs Survey Responses



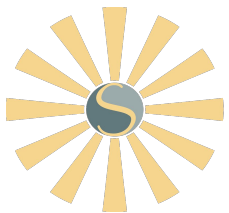
This is what our community is saying:

“Our family was just trying to survive after the shooting. Then the pandemic hit. We are just NOW ready to process and heal through therapeutic services.”

“When there is a suicide, or a shooting, even though I am not at that school, all of us on staff feel it.”

“My son/daughter has always done well in school. Now they are failing their classes. I just feel alone. I don’t know what to do.”

“I am afraid to write down the thoughts I don’t think I should be having.”



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Center For Strength

After thoughts:

1-1 support

"We are so thankful we can access these free services. Our insurance doesn't have the support we need."

Educational programming

"I am happy. I slept better last night and I appreciate the content. Both personally and professionally."

Clinical activities

"Coming into the workshop, I was tired, anxious, and sad. After this exercise, I feel faith, connection, and growth."

WINS

- Successful transition through COVID
- Diverse programming
- Increased clinical support
- Student/parent support
- MHFA-Y support
- Resiliency Director's Forum
- Growing team(s)
- Accessible facility



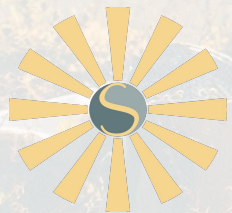
OBSTACLES

- Name barrier
- WHO these services are for
- Virtual burnout
- Complex trauma
- Grant parameters
- COVID-19
- High turnover in school staff
- Comprehensive social-emotional learning program in the school
- Increase in referrals

2021 DATA

(school year)

- Average 80 students per day
- Average 2-3 activities per week
- Average 5 attendees per group
- Referrals increasing, Average 2 per week
- Tours:
2 new students / day
2 parents per week

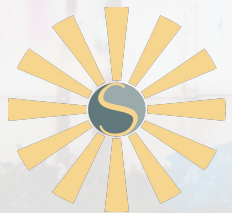


STEM
Center For Strength



What do we NEED?

1. Sustainability
funding
2. Donations
3. Exposure
4. More volunteers
5. Fundraiser support
6. Advisory Committee
Members
7. **SHARE!**



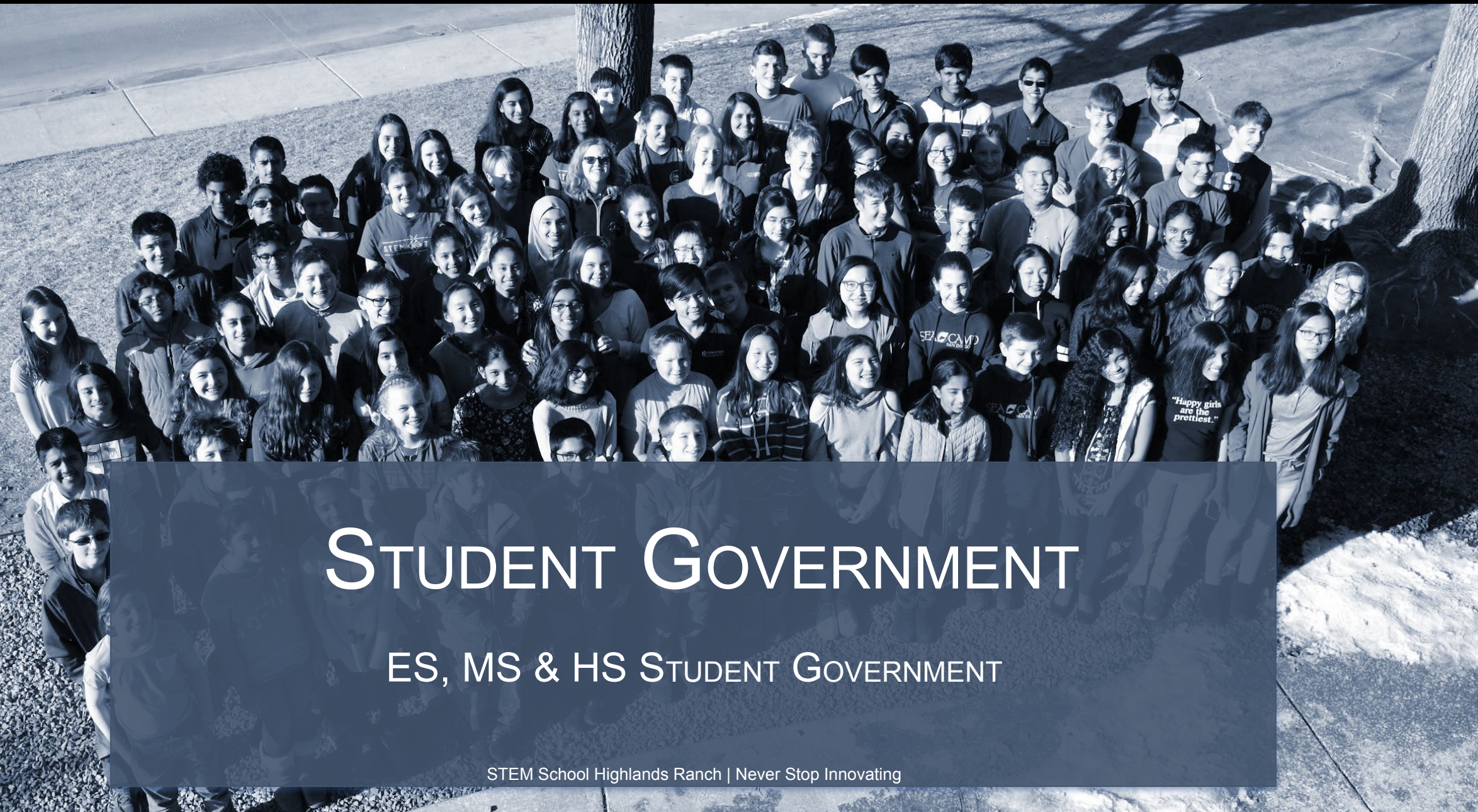
STEM
Center For Strength



From our heart to yours,

THANK YOU!





STUDENT GOVERNMENT

ES, MS & HS STUDENT GOVERNMENT

STEM School Highlands Ranch | Never Stop Innovating



Elementary School

- Current:
 - Election week with speeches
 - Spirit week aligned with secondary
 - Morning announcements
 - Students advocate for others on playground to prevent bullying
 - Trunk or Treat
 - Thanksgiving food drive
- Projected:
 - Currently working on a toy drive
 - Cleaning up various parts of the school

Middle School

- Current:
 - Movie Night
 - Toy Drive
 - Spirit Week
- Projected:
 - MS Dance- February
 - Coats for a Cause
 - Crush for a Crush

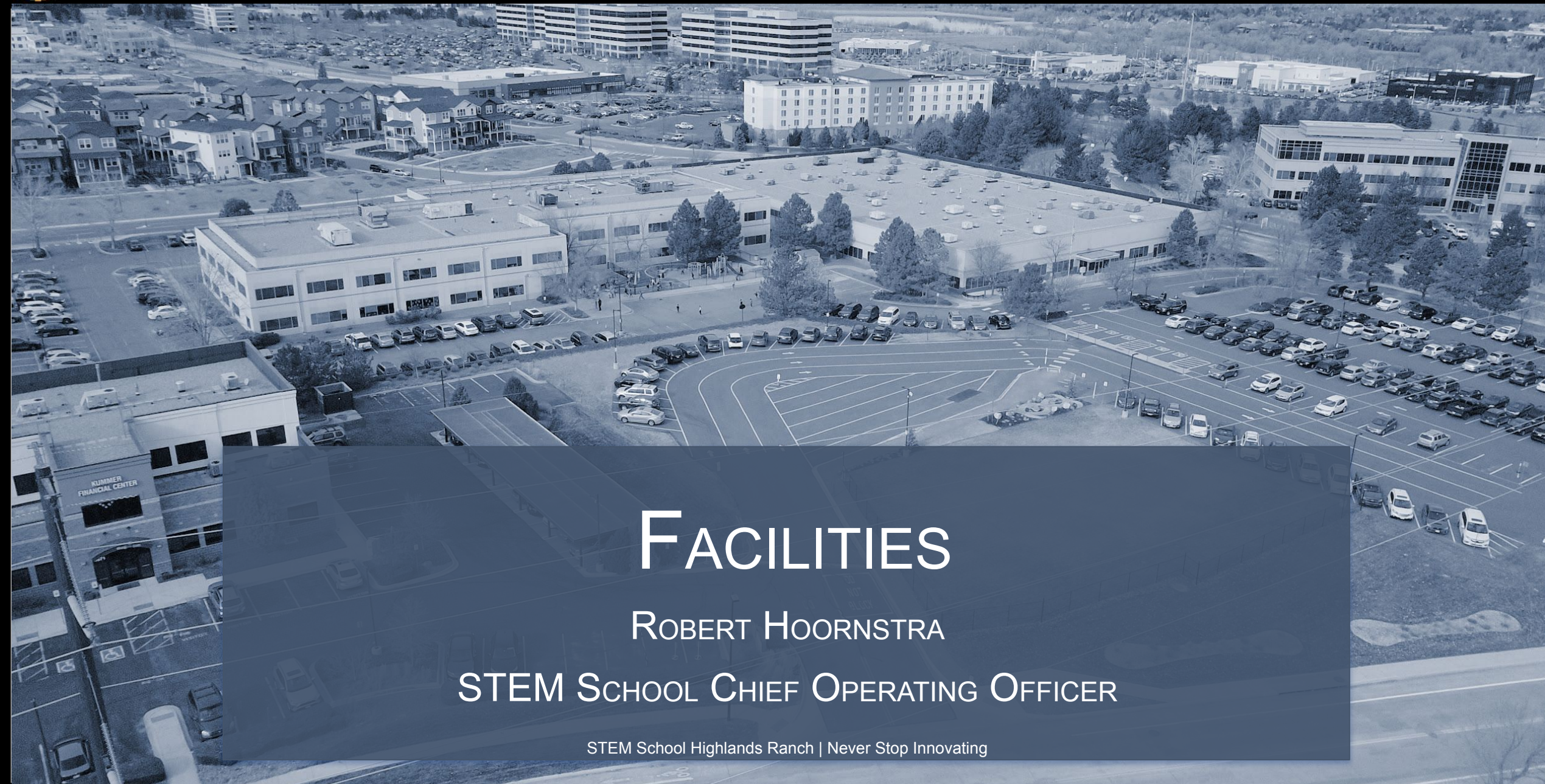
High School

- Current:
 - August-Club Rush
 - September-Spirit Week with a powder puff football game, pep rally and ended with Homecoming
 - October-Trunk or Treat in ES parking lot
- Projected:
 - Hot Chocolate Event
 - Nerds Night Out
 - Spirit Week ending with the Winter Formal and Prom.



STUDENT GOVERNMENTS





FACILITIES

ROBERT HOORNSTRA

STEM SCHOOL CHIEF OPERATING OFFICER

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- Continued to adhere and enhance CDC protocols for cleanliness and sanitation
- Deep cleaned, disinfected and sanitized all of STEM Schools over the summer
- Disassembled, cleaned and disinfected all rooftop HVAC units
- Replaced 2 existing RTU units on ES to provide better ventilation via ESSER III funds
- Replaced 5 existing RTU units on MS to provide better ventilation
- Completed school wide Direct Digital Controls to accommodate for ventilation in classrooms



- Replaced original ES boiler / water heater with new tankless heater
- Installed and live tested the indoor SDS system
- Provided retrofit the all HVAC rooftop units for proper operations
- Acquired school wide new Direct Digital Controls for all HVAC rooftop units
- Rebalanced and certified 3 fume hoods
- Completed a buildings infrastructure audit with the Colorado Department of Education
- Coordinated with Douglas County School District for the replacement of 5 RTUs
- Coordinated with Douglas County School District for the replacement of Secondary school a new fire alarm system
- Replaced original RTUs 5 & 6 on the ES building for better environmental conditions
- Designed / procured / installed new monument sign for 8920 Barrons Blvd KOSON building

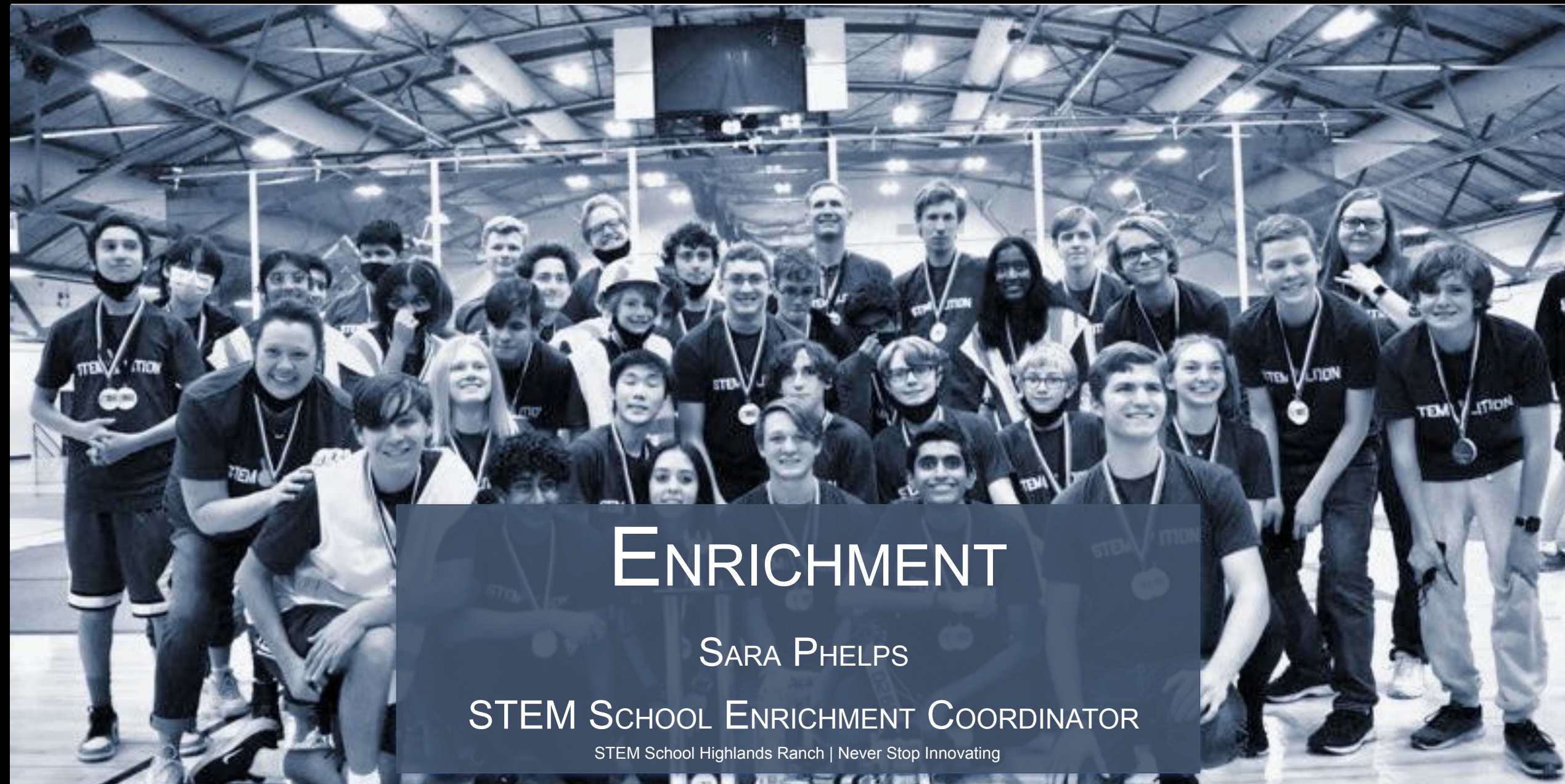


2021/22 PROJECT IMPROVEMENTS

- Next for STEM School Improvements
 - KOSON P-Tech/ Mechatronics and Cyber Security Laboratory at 8920 Barrons Blvd.
 - Project start project for December 2021
 - New CHASSA Gym and Building Additions project
 - Phase One 2 story addition added adjacent to the ES Building
 - Project start projected to January 2022
 - Phase Two CHASSA Gym Project
 - Project start projected to August 2022
 - Douglas County School District Bond Funding Projects
 - Replace north building electrical feed and switchgear 2022







ENRICHMENT

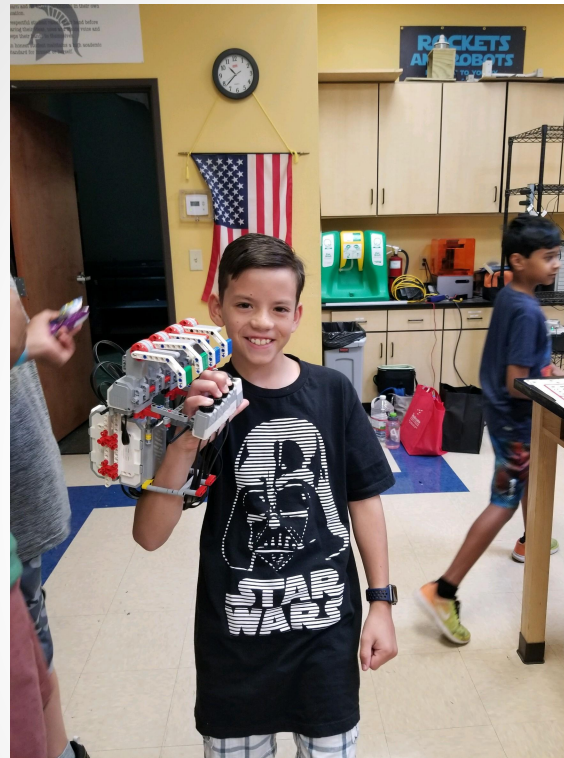
SARA PHELPS

STEM SCHOOL ENRICHMENT COORDINATOR

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2021-22



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2021-22

- MS and HS BEST Robotics competed at Local competition in early November - HS team won BEST award and moves to Regional in December
- TSA students will compete in February at State Conference
- FRC Robotics preparing for 2022 Competition season
- Thriving DECA and FBLA programs - first ever in-house Innovation Invitational in October
- STEMed and STEMed Jr meeting bi-monthly with labs and speakers
- MS/HS Theatre preparing for show
- Comedy Club - monthly improv shows



SCHOOL ACCOUNTABILITY COMMITTEE (SAC)

KELLY REYNA

STEM SCHOOL SAC CHAIR

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WHAT IS A SCHOOL ACCOUNTABILITY COMMITTEE?

A group of school leaders, teachers,
parents and community members.

Work together in an advisory
capacity with STEM.

A statutory requirement for every
school.

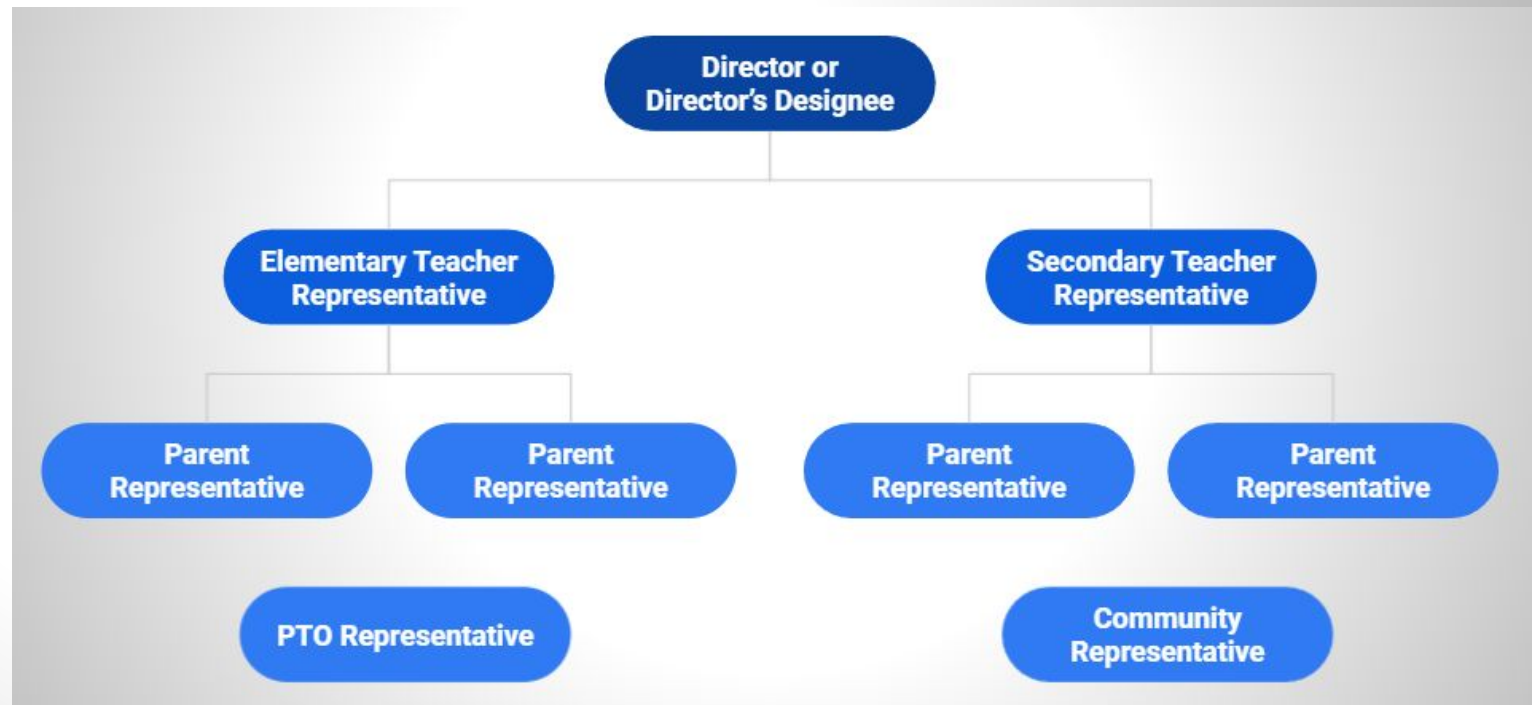
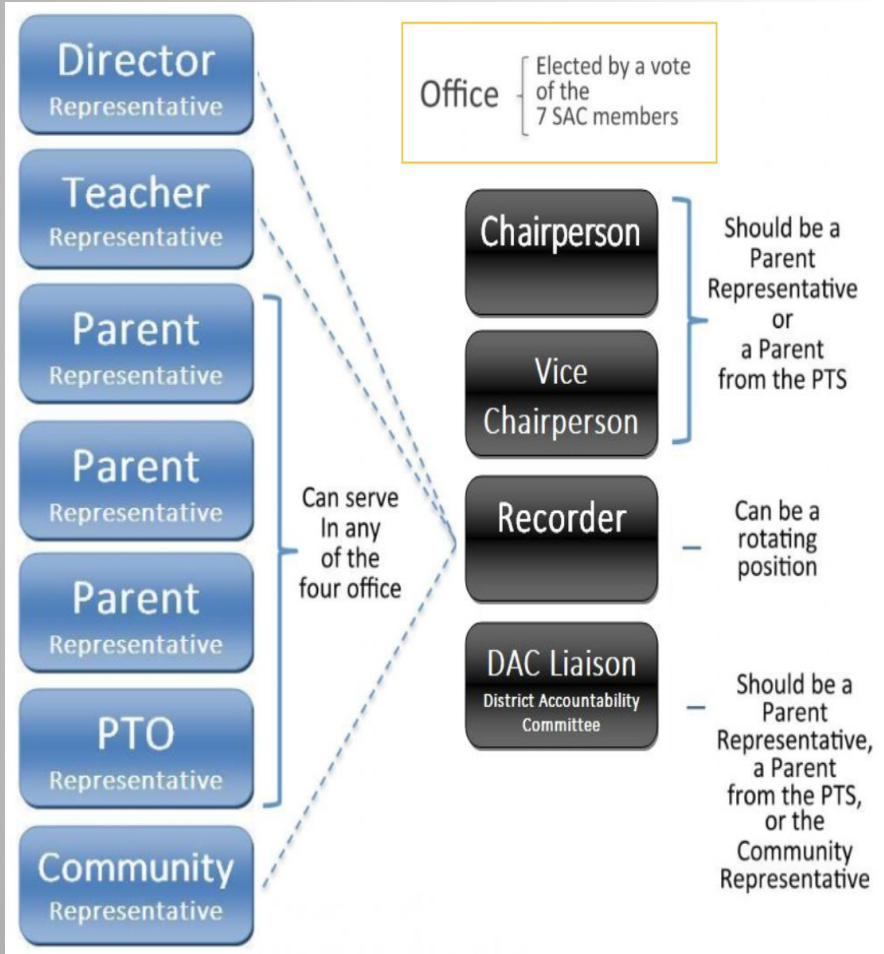


Educating our students is a partnership between families and educators. The STEM SAC is a great forum for parents to be involved in their children's school. The SAC welcomes all parents and community members to attend the meetings to learn more about the "business" of educating our students.



STEM SAC Membership

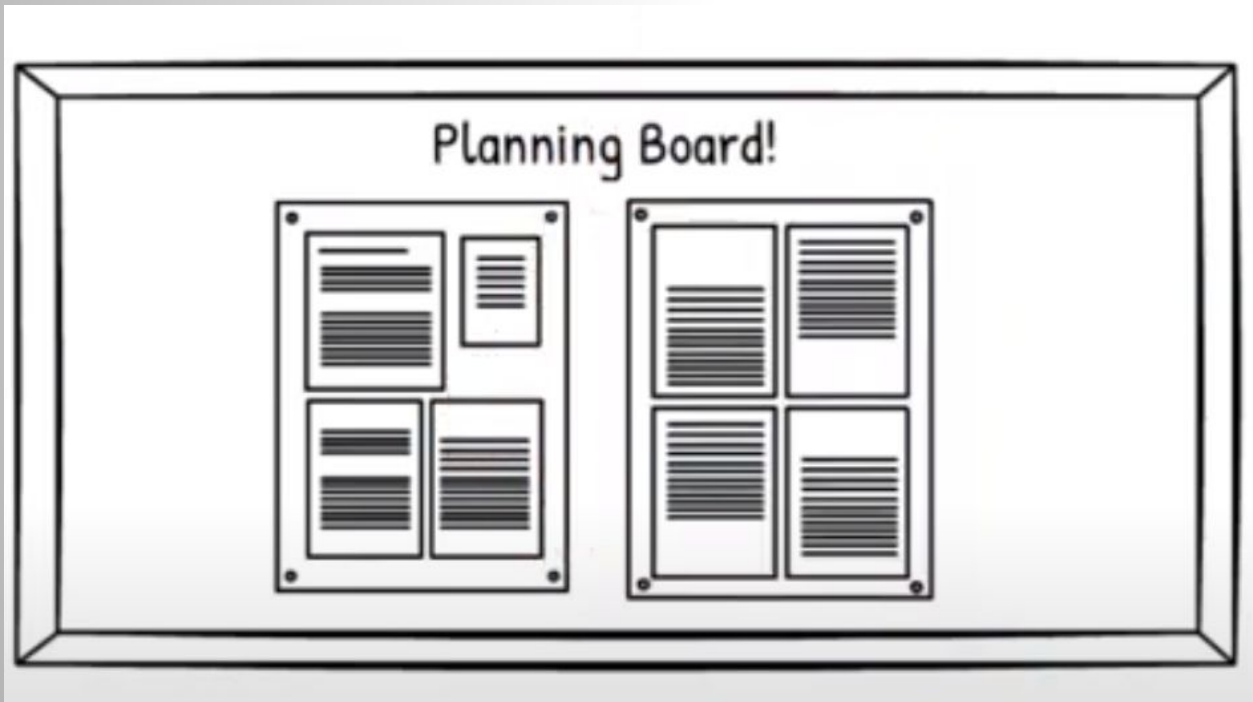
The SAC recently updated the Bylaws to reflect our K-12 School appropriately. The SAC should represent the school's diversity and inclusive of all levels. The STEM SAC has two teacher representatives, one from the elementary school and one from the secondary school, and minimum of four parent representatives.





WHAT DOES A SAC DO?

THE PURPOSE OF THE **SAC** IS TO INFORM, ENCOURAGE AND PROVIDE OPPORTUNITIES FOR THE COMMUNITY TO BE INVOLVED IN THE PLANNING AND EVALUATION OF THE **SCHOOLS INSTRUCTIONAL PROGRAM AND QUALITY IMPROVEMENT PROCESSES.**

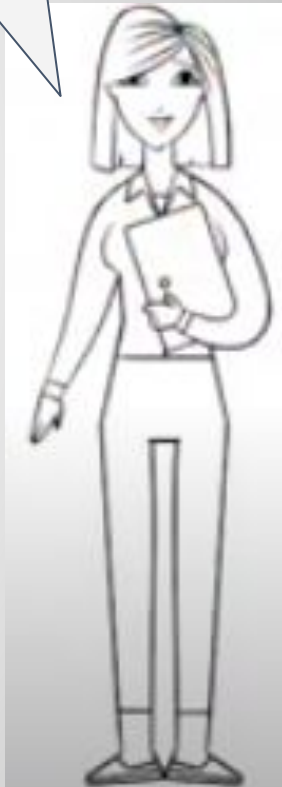


- ❑ **MAKES BUDGET RECOMMENDATIONS THAT ARE SUBMITTED TO STEM'S EXECUTIVE DIRECTOR FOR CONSIDERATION**
- ❑ **FACILITATES THE PARENT SURVEY**
- ❑ **COLLABORATES WITH THE PTO AND THE BOARD OF DIRECTORS**
- ❑ **MAKES RECOMMENDATIONS TO STEM'S UNIFIED IMPROVEMENT PLAN**
- ❑ **FOCUS ON PARENT AND COMMUNITY ENGAGEMENT**

How can you get involved?

- Have a recommendation for an improvement at STEM, submit it to the SAC directly via email at sac@stemk12.org.
- Attend monthly meetings and take part in Public Comment.
- Join a SAC Subcommittee
 - Unified Improvement Plan (UIP)
 - Communications
 - Parent Engagement
 - Parent Survey
 - Building Parent Trust

I would like to recommend...





WHEN DOES THE SAC MEET?

- The SAC typically meets the third Wednesday of the month from 5:30-7 p.m.
- You can find the SAC webpage under the "About" tab on the STEM website.
- The SAC meeting Agenda will be posted to the site prior to the meeting and all approved meeting minutes can be found on the site as well. Meeting minutes are approved at the following meeting and then posted on the website within a week of being approved.

Next SAC meeting is on December 15, 2021

5:30 p.m. MS Room 101

To know your school is to love your school.

A black and white photograph of an outdoor event. In the foreground, there are two large, clear inflatable bubbles. Behind them is a castle-like inflatable structure with several pointed turrets. A group of people, including adults and children, are gathered near the castle. The background features a line of trees and rolling hills under a clear sky. A semi-transparent dark blue rectangle is overlaid on the bottom half of the image, containing white text.

PARENT TEACHER ORGANIZATION

HEIDI PETERSON AND JEANIE BREVOORT

STEM SCHOOL PTO CO-PRESIDENTS

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WHAT IS A PARENT-TEACHER ORGANIZATION?

STEM PTO, a Chapter of the Foundation for Douglas County Schools, is a Parent Teacher Organization that uses its resources (materials, funds and services) to support our school, STEM School Highlands Ranch.

Mission: Our mission ensures STEM PTO works in partnership with STEM School Highlands Ranch to foster a strong sense of community, provide enhancement activities for student, faculty, staff and families and help increase the educational, social and emotional experience for the members and their families.

Current Executive Board Positions

- Co-Presidents: Heidi Peterson and Jeanie Brevoort
- Co-Vice Presidents: Holly Delants and Irene Shick (1 more open position)
- Co-Communications: Crystal Wurschmidt Adams and Samara Lyons-Frick
- Member at Large: (2 Open Positions)
- Co-Treasurer: Mike Stone (Co-Treasurer - (1) Open Position)
- Co-Secretary: Open Position
- Co-Secretary/SAC Liaison: Open Position



WHAT DOES PTO DO?

Purpose. STEM PTO is organized for the purpose of enhancing the quality of students' education, school and community through development of resources and participation of parents, school staff, and community.

Objectives of the PTO Board

- The STEM PTO Executive Board's goal for fundraising is to enhance the quality of STEM School Highlands Ranch, its student's education and environment, and the community.
- To promote effective communication between parents/guardians, school staff, and the community.
- To assist in the administrative activities of the school and support its policies and goals.
- To organize and support fundraising and enhancement activities.
 - To serve in an advisory capacity to the STEM School Board of Directors, or at the request of other groups.

Events: Blast Off, Elem School Dances, STEM Fest, Pirates Cove



Membership. Any parent and/or guardian with a student enrolled or teacher, faculty, or staff employed at STEM School Highlands Ranch shall automatically be granted membership into the STEM PTO. No membership fee shall be collected.

Open Positions

VP's - The Vice President shall coordinate fundraising and events

- **Events:** Blast Off, Sweetheart Dances, STEM Fest, Pirates Cove, After Prom
- **Fundraising:** Fun Run, Restaurant Nights, STEM Gala, STEM Gives, Box Tops

Member At Large - The Member At Large Officer shall oversee all hospitality needs, volunteer and staff appreciation as well as serve as a liaison between volunteers, parents, and staff/teachers

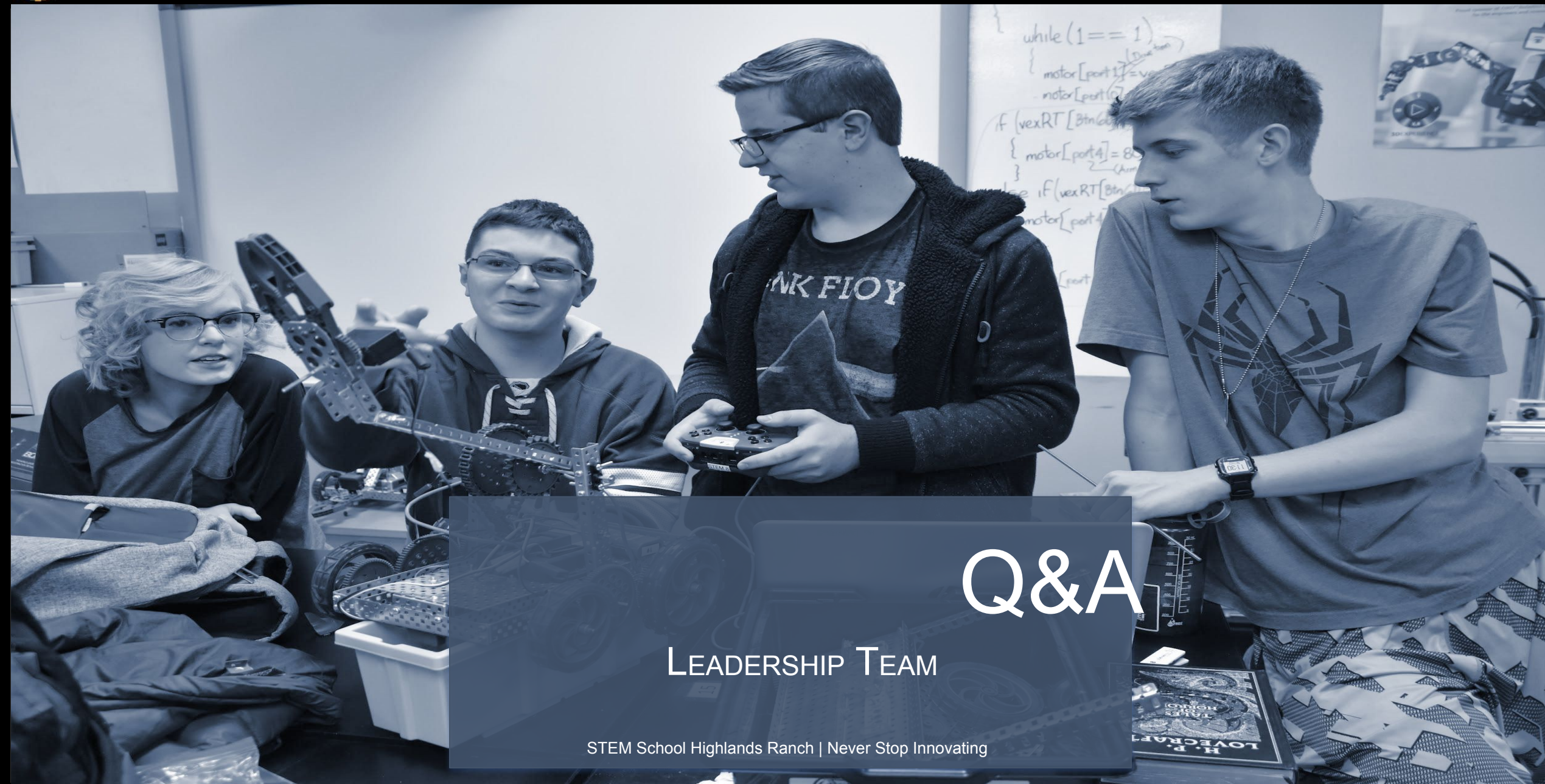
Secretary - The Secretary shall keep and maintain records and supporting documentation of the organization, meeting agendas and minutes

SAC Liaison - One officer on the STEM PTO Executive Board shall serve one (1) year as a voting member of the School Accountability Committee, also known as SAC

Treasurer - The Treasurer shall oversee all funds of the organization in accordance with The Foundation procedures

Next PTO Meeting:

Dec 8, 2021 @ 6:30 PM Location Via Zoom



Q&A

LEADERSHIP TEAM

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