



ADVANCING OUR COMMUNITY

WHEN A RIGOROUS, ACADEMIC FOUNDATION COLLIDES WITH POWERFUL, ROBUST INNOVATION

As our students today are entering a complex, highly competitive workforce unlike anything previous generations have experienced, it is essential that we provide them with the knowledge, skill, ingenuity, confidence, and capacity to advance and compete on a global scale. Toward this end, St. Vrain Valley Schools has transformed and advanced our education system to one which is characterized by extremely rigorous academics, including among the highest graduation requirements in the state, region, and nation, as well as a strategic, by design systemic approach to ensuring our students are engaged in complex problem solving, creative thinking, innovation, teamwork, and other critically important, essential skills. As our world is changing and accelerating at exponential rates due to unprecedented technological developments, it is imperative that we as an education system continue to advance accordingly.

Our forward thinking approach of providing a strong academic foundation, bolstered significantly with robust innovation, will provide our students the quality of education that ensures a strong competitive advantage, one which will open doors to numerous, incredible opportunities across our globe.

Community and industry partners have a significant role in shaping the empowered learning opportunities in our district. When you support public education, you are not just changing the life of a student, you are contributing to the development of our future workforce, the well-being of our community, and acceleration of economic development.

As always, we deeply appreciate our partnerships as we continue to advance student achievement and success.

Sincerely, Don Hadded

Don Haddad, Ed.D. Superintendent @SVVSDSupt

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MEET ST. VRAIN VALLEY SCHOOLS

Our students are the creators, innovators, and leaders who will shape the future and drive the success of our communities, state, and nation.

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Community Strong is strengthening connections between business, industry, and community.

GETTING IN THE ZONE

The Entrepreneurial Zone is expanding the way we think about entrepreneurship.

THE NUMBERS 10

Partnerships and grants enrich the educational experience for our students.

COMMUNITY STRONG IN ACTION

The St. Vrain Valley community features a diverse mix of industries driving local, national, and global economies.

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EIS DIFFERENT **FORMODAY'S STUDENTS**

Our students are the creators, innovators, and leaders who will shape the future and drive the success of our communities, state, and nation.

INCE THE INDUSTRIAL REVOLUTION, technological change has reshaped the workplace continually, but the speed with which automation technologies are developing today, and the scale at which they could disrupt the world of work, are largely without precedent. No one can be sure exactly what tomorrow holds, but we do know that the future will need people who know their way around digital technology, have global and cultural awareness, and can innovate.

In the past, education was all about reading, writing, and arithmetic, but that approach won't prepare current students for the future. Today's students and tomorrow's workforce demand an education that is rooted in rigorous traditional academics while also leveraging modern technology, industry partners, and advanced learning.

St. Vrain Valley Schools understands that.

Every day our team works behind the scenes and on the front lines to ensure every child in our community receives a rigorous, engaging, and high-quality education. By providing our students with excellent teachers, cutting-edge technology, and safe, state-of-the-art learning environments, we are empowering them to become the future of America.



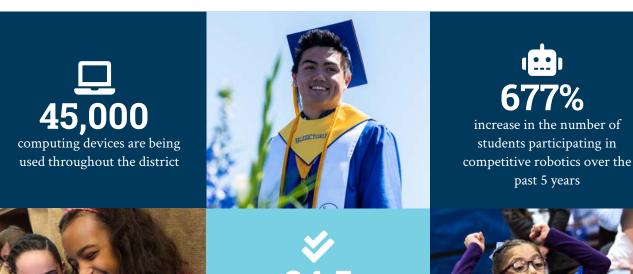
50,700,000

students in the United States attend a public school. Approximately 33,000 attend St. Vrain Valley Schools.





WE ARE ST. VRAIN VALLEY SCHOOLS. WE ARE THE FUTURE OF AMERICA.



increase in the number of students participating in



COMMUNITYSTRONG.SVVSD.ORG 4

com·mu·ni·ty

: a group of people with a common characteristic or interest living together within a larger society

T SKYLINE HIGH SCHOOL, teacher and librarian Marie Kaufman prepares a corner of the media center for a 'Brown Bag' career discussion – a regularly scheduled event that brings local business and industry leaders together with students. Today's guest is Kyle Kingrey of BI Incorporated, a local manufacturer of electronic components. Kyle spends the next 20 minutes highlighting the 'nuts and bolts' of his company's operation and emphasizes the skills necessary to be successful in the workplace.

On the other side of town, Colin Rickman of Longs Peak Middle School conducts a conference call with a Regis University professor specializing in cybersecurity and information technology. The two are preparing for the school's first CyberPatriot club, sponsored by LogRhythm, a Boulder-based security intelligence company.

These kinds of meetups and interactions are not uncommon within St. Vrain Valley Schools. They happen every day across our 57 schools and throughout our organization. As an educational system, St. Vrain understands that bridging the gap between education and industry is necessary to accelerate academic achievement, prepare students for the future, and ensure a strong, vibrant community. That's why we created Community Strong.

Through the work of Community Strong and St. Vrain's valued partners, our students will be prepared to shape the workforce in a technology-driven society.



COMMUNITY STRONG STRENGTHENING CONNECTIONS BETWEEN BUSINESS, INDUSTRY, AND COMMUNITY

In the fall of 2018, St. Vrain Valley Schools launched a new community outreach program called Community Strong in an effort to enable students to experience the entire community as their classroom. Through this exciting initiative, our district will build and strengthen connections to local businesses, corporate entities, and industry leaders while preparing our students for the future by giving them hands-on learning opportunities that prepare them for an increasingly-complex world.

The Community Strong initiative is driven by three primary goals:

- 1. Make it easy for partners to **CONNECT** with schools and district initiatives
- 2. Measure partner **IMPACT** and communicate success
- 3. Collaborate with industry partners to **CULTIVATE** educational programming and career pathways

CONNECT

The Community Strong partner portal – communitystrong.svvsd.org – makes it easy for community partners to browse current opportunities within St. Vrain Valley Schools. Opportunities vary in scope, but ultimately connect partners and schools for the purpose of experiential learning. Opportunities include: Classroom speaking, job shadowing, mentoring, internships/apprenticeships, career fairs, design challenges, and more.

IMPACT

Once a partner registers with the partner portal, they can connect directly with school personnel to learn more about the posted opportunity, track the number of hours spent collaborating and share their experiences. Impact reports are periodically published and circulated to showcase results and celebrate success.

CULTIVATE

In addition to connecting schools with partners, Community Strong also invites partners to participate in educational program development. To date, we've initiated several advisory boards – computer science, biomedical, and manufacturing – tasked with steering curriculum development, integration of certificates, and increasing work-based learning opportunities. By involving industry partners, the district ensures that its programs are providing students with cutting-edge and relevent programming, state-of-the art technology, and the necessary credentials to become successful in roles we cannot yet conceive!

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: one who organizes, manages, and assume the risks of a business or enterprise

THE WORLD NEEDS MORE ENTREPRENEURS

By some estimates, the world needs 600 million new jobs by 2025 to handle the growing workingage population. Business leaders like Michael Dell, chairman and chief executive officer of Dell Technologies, point out that these jobs aren't likely to come from big corporations, but instead from entrepreneurs and small businesses. The skills required to succeed as an entrepreneur, including creative thinking, problem solving, innovation, and tenacity, are valuable skills to learn and bring to any career.

St. Vrain is creating tomorrow's entrepreneurs with support from Community Strong partners like the Daniels Fund.

When the Daniels Fund, a private charitable foundation dedicated to making life better for the people of Colorado, New Mexico, Utah, and Wyoming, heard about the fledgling Entrepreneurial Zone program they immediately recognized its uniqueness. In the fall of 2018, the organization provided a significant investment to quickly expand the program's reach and offerings. According to Linda Childears, President & CEO of the Daniels Fund, the foundation is "excited about supporting the Innovation Center because it not only helps students develop critical entrepreneurial skills, it also gives them the opportunity to work with businesses, gaining experience that can prepare them to launch their careers when they complete school."

The Daniels Fund's investments are already having a significant positive impact on St. Vrain students like Kerly Baltierrez Rodriguez, a student at Skyline High School.

KERLY BALTIERREZ RODRIGUEZ

Kerly started out on the Innovation Center's studio team, where she learned film production and presentation skills. Now, she's putting those skills to work in the Zone by producing a short documentary series about career options. Her first subject is a young entrepreneur – and fellow St. Vrain graduate – who is selling her own handmade guitars. Kerly loves how the program is giving her a chance to explore and share her own vision. "I'm glad that we can show someone living her passion," says Kerly. "I think we can inspire students to pursue the career they want, and push themselves to achieve their goals."

Photo: Innovation Center Students make a pitch to the Peruvian Consul



Some of today's most successful entrepreneurs believe that "Business success is 80% psychology and 20% mechanics."

The Entrepreneurial Zone goes beyond the mechanics of starting a business by covering how to:

- Build a network
- Share an inspiring vision
- Take action to bring a vision to life
- Navigate barriers and overcome setbacks
- Understand that failure is a prerequisite for success

T IS LATE AFTERNOON on a blustery Wednesday at the Innovation Center of St. Vrain Valley Schools, and young entrepreneurs from around the world are standing in front of a 20-foot tall green screen. They are filming short videos about their ideas to solve huge problems like hunger and substance addiction. As part of a partnership with Boulder's Watson Institute, a training ground for next-generation innovators and entrepreneurs, St. Vrain Valley Schools and Watson Institute students are learning how to pitch – a critical skill in today's business world.

Today is just your average day at the Innovation Center's new Entrepreneurial Zone.

When you hear the word "entrepreneur" – what comes to mind?

Your local shopkeeper, a small business owner or a brave risk-taker putting their livelihood on the line to create something new?

Photo: The Innovation Center

of St. Vrain Valley Schools

The Innovation Center of St. Vrain Valley Schools and its new Entrepreneurial Zone are trying to expand the definition of an entrepreneur and the way we think about entrepreneurship. "Our goal for the Entrepreneurial Zone is to create a way for students to live their purpose," says Zone teacher and program developer, Jeff Lund. "We want to help students find out what they were meant to do, instead of doing something they were told to do." As a result, St. Vrain's new program focuses as much on the entrepreneurial mindset as the actual mechanics of starting a business.



VERY DAY ACROSS ST. VRAIN VALLEY SCHOOLS, partners enrich the educational experience for our students. Often, their contributions build on one another. In preschool classrooms, students receive grant-funded tuition scholarships from the Buell Foundation and support from senior volunteers who participate in the Senior Tax Exchange Program. Students in Skyline's P-TECH program, Falcon Tech, build deep and meaningful relationships with mentors from IBM, while benefiting from paid internship opportunities made possible by a private family foundation.

Community Strong has just launched, yet, in a short time, we've already achieved so much.

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district-level partnerships

direct to school partnerships

registered partner portal users

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() 500+

hours of engagement

industry certifications earned by students (2017-2018 school year)

GRANTS AT A GLANCE

cde counselor corps

Supporting additional counselors at three St. Vrain schools

TEMPLE HOYNE BUELL FOUNDATION BC \$50,000 Supporting preschool tuition scholarships to increase preschool access

THE SUCCEEDS PRIZE **Q** \$15,000 Recognizing Northridge Elementary as the top STEM school in Colorado

OTTERCARES FOUNDATION **CARES FOUNDATION Supporting Coal Ridge Middle** School's new Research and Design (RaD) Lab, a new innovation lab for

students and teachers

NATIONAL SECURITY AGENCY GENCYBER PROGRAM

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Supporting teacher professional development in cybersecurity

OMMUNITY STRONG is made up of a rich web of partners that share time and resources to change the lives of our students every day. Grant providers are important Community Strong partners. Grants provide nonrepayable funds or products from government agencies, corporations, foundations, or trusts to be dedicated to a defined initiative. Grant funds leverage resources from our General Fund and thus allow us to extend programming that improves student achievement and growth. Securing grants involves teamwork between our private and public sector partners; select grants require matching funds from the private sector equal to a certain percentage of the grant.

SINCE JANUARY 2018

\$19,000,000 in competitive grant proposals submitted

\$8,200,000 in competitive grant awards received

under active consideration or in application development

THE DANIELS FUND

Supporting the development of the Entrepreneurial Zone and the creation of a "playbook" for other districts/organizations to learn from the "how" and "why" behind innovation initiatives in St. Vrain.

CDE BUILDING EXCELLENT SCHOOLS TODAY (BEST) GRANT S2,246,065

Supporting major renovations to the Main Street School, one of St. Vrain's historic sites

GOOGLE \$26,620

Supporting teacher professional development in computer science

EARLY MILESTONES COLORADO

Supporting the start-up of the P-TEACH program, a program that provides high school students with up to 21 college credits towards a bachelor's degree in education (teaching degree), combined with internship and paid externship opportunities with St. Vrain teachers



COMMUNITY STRONG IN MOTION



The St. Vrain Valley community features a diverse mix of industries driving local, national, and global economies. Everyday through Community Strong, we have unique opportunities to collaborate with a high concentration of companies operating in the aerospace, bioscience, cleantech, IT/software, natural products, and outdoor recreation sectors. Together we develop curriculum, share expertise and explore the passions and interests of our students and teachers.

Community Strong is:

CREATING TOMORROW'S PROBLEM-SOLVERS

Design thinking is a creative and collaborative process for identifying problems and coming up with innovative solutions. It is a strategy that engages students to connect the core content they are learning to situations in the real world.

The Longmont Museum, a center for culture in Northern Colorado, is currently partnering with the Innovation Center of St. Vrain Valley Schools to deliver standardsbased design thinking experiences aligned to exhibits featured at the museum. A recent experience paired elementary students with local members of the community to learn more about how they worked to solve major challenges. The students then compared and contrasted current problem solving methods with the methods historical figures used to solve similar challenges. This initiative is helping students explore new ways of tackling complex problems found in their communities.

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"LogRhythm is very pleased to be partnering with the St. Vrain CyberPatriot program and helping build and support interest and education in cybersecurity."

AMY GROLNICK DIRECTOR OF HUMAN RESOURCES LOGRHYTHM spec_helper" "spec/rails"

//e 'capybara/rspec' //ire 'capybara/rails'

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Community Strong is:

RAISING SAVVY DIGITAL CITIZENS

The rise in the widespread use of technology brought with it a rise in cybercrime. Hacks and data breaches regularly affect firms of all sizes and result in staggering costs. The role of cybersecurity and the individuals who provide that security is growing every day.

CyberPatriot, a National Youth Cyber Education Program, is helping to prepare the next generation of cybersecurity experts. The organization creates competitions that place teams of high school and middle school students in the position of newly hired IT professionals tasked with managing the network of a small company. Colorado currently has over 200 teams and St. Vrain schools account for roughly 30 percent of those teams.

That number continues to grow as new teams are added each year. This year, with support from LogRhythm, a Boulder-based security intelligence company, Longs Peak Middle School added two CyberPatriot teams. LogRhythm provides financial support to cover the costs of instruction, technology upgrades and competition, and supplies the school with mentors in various fields of cybersecurity. St. Vrain has seen widespread success among more than 20 middle school CyberPatriot teams district-wide, including a team at Altona Middle School that is currently ranked first in the state and 37th in the world.

FUELING ADVANCEMENTS IN MANUFACTURING

In Colorado, nearly 6,000 manufacturers across a variety of business sectors including electronics, energy, aerospace, biomedical, and food and beverage are disrupting their industries with advancements in manufacturing technologies. Statewide, experts predict there will be 5,000 new manufacturing jobs created by 2026.

Our state's growing strength in advanced manufacturing, paired with a host of supportive local partners, has set the stage for a new Advanced Manufacturing Academy at the Career Development Center (CDC). The CDC has worked side by side with Front Range Community College (FRCC) and several local manufacturing partners to build awareness of the initiative, learn what skills employers are looking for, and discover what curriculum and certifications should be cultivated.

When the academy launches next fall, students will have the opportunity to study four manufacturing disciplines-machining, welding, electronics, and optics. They will be introduced to manufacturing processes, quality assurance, certifications in safety, and basic employment skills. As they explore these new pathways, opportunities to engage with real professionals and hands-on learning will be offered via facility tours, product assembly, and use of specialized equipment.

Photo: Student at the Career Development Center (CDC) welding. Over the next two years, community partners will continue to guide St. Vrain in the development of coursework, certifications, internships and potential apprenticeships. The new Advanced Manufacturing Academy has already received tremendous community support from many organizations, including:

- BI Incorporated
- Black Fox Certifications
 - Crestone Peak Resources
 - Front Range Community College
 - High Country Technology
 Consultants
 - Longmont Economic Development
 Partnership
 - Medtronic
 - MKS Instruments
 - REO/Excelitas Technologies
 - Siemens
 - Specialty Products Company
 - St. Vrain Manufacturing
 - Tolmar Pharmaceuticals
 - X-Cal

Community Strong is:

ENCOURAGING HEALTHY LIFESTYLES

About 610,000 people die of heart disease in the United States every year – that's one in every four deaths. Understanding the risk factors and being able to identify the early signs of the disease are critical to combating it.

UCHealth, a not-for-profit health care system that includes hospitals and facilities throughout Colorado, recently partnered with St. Vrain Valley Schools to put on the Healthy Hearts High School Program. Healthy Hearts is an outreach heart health screening and preventive education program focused on educating students, families, and adults about how to live a heart-healthy lifestyle. Over the course of two days, the Healthy Hearts High School Program gave students a chance to learn about the human heart and cardiovascular health, take part in cholesterol screenings, and practice for real-life emergencies.

INSPIRING THE NEXT GENERATION OF STEM LEADERS

STEM education creates critical thinkers, increases science literacy, and enables the next generation of innovators. Innovation leads to new products and processes that sustain our economy.

Sticker Giant, a Longmont-based printer of custom stickers and labels, recently partnered with Mountain View Elementary to engage the school's fourth grade students in a STEM design challenge involving the creation of a custom sticker. Math, science, and art standards were incorporated throughout the project which was launched with a visit from one of Sticker Giant's graphic designers, who presented on career readiness and design best practices.

Students then had two weeks to ideate and prototype designs which Photo: Members from UCHealth screen a Longmont High School student as part of the Healthy Hearts High School Program. they presented to a team of representatives from St. Vrain Valley Schools and Sticker Giant. After receiving feedback, they revised their designs before submitting final proposals to Sticker Giant, which selected one sticker from each fourth grade class to be produced. Video footage of the sticker designs in production was presented at a school assembly and the printed stickers were distributed. The project was an amazing opportunity for students to make real-life connections between design challenges and solutions.

PULLING BACK THE CURTAIN ON THE PROFESSIONAL WORLD

Today's students don't want to learn because we have things to teach them. Instead, we must demonstrate the relevance of what's being taught so that they can gain an understanding of why they should be motivated to learn it. Career Days are a great way to showcase how what's being learned in the classroom relates to a possible career.

This spring more than 50 community and industry partners teamed up with Erie High School to assemble the #InspireTheTigers Career Fair. The event featured speakers from a wide range of industries including healthcare, computer science, biomedical, manufacturing and more, with the goal of helping students explore occupations and career paths.

The #InspireTheTigers Career Fair received tremendous community support from many organizations, including:

• Zayo

Xilinx

- Level 10
- Medtronic
- Town of Erie

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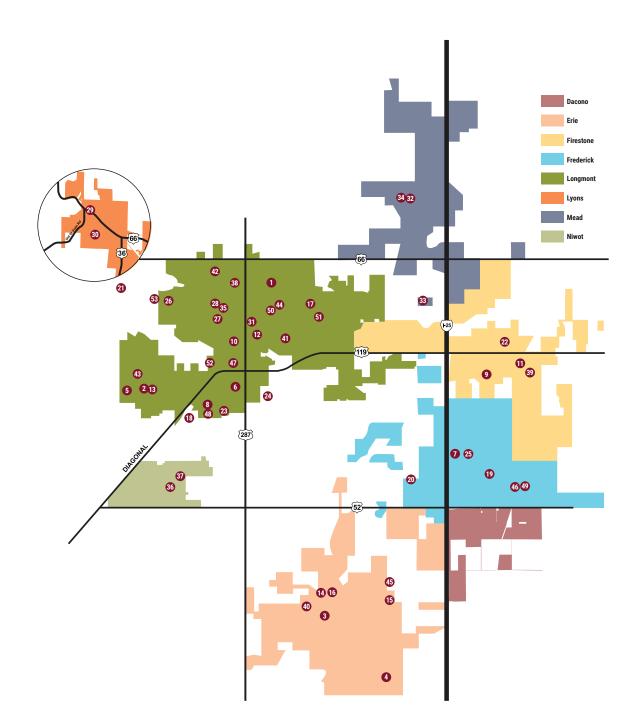
• Centura

Merck

Transwest

Rowenhorst Family • Tutor Doctor Chiropractic

School Directory



- 1 Alpine Elementary IB World School, STEM AES.SVVSD.ORG
- 2 Altona Middle School Leadership AMS.SVVSD.ORG
- 3 Aspen Ridge Preparatory School 23 Core Knowledge ASPENRIDGEPREPSCHOOL.ORG
- 4 Black Rock Elementary A Gifted and Talented, World Language School BRES.SVVSD.ORG
- 5 Blue Mountain Elementary Science, Technology, and Inquiry BMES.SVVSD.ORG
- 6 Burlington Elementary BES.SVVSD.ORG
- 7 Carbon Valley Academy CARBONVALLEYACADEMY.ORG
- 8 Career Development Center CDC.SVVSD.ORG
 9 Centennial Elementary
- CENTENNIALES.SVVSD.ORG 10 Central Elementary
- IB Primary Years Programme CENTRALES.SVVSD.ORG 11 Coal Ridge Middle School
- CRMS.SVVSD.ORG 12 Columbine Elementary
- STEM COLUMBINEES.SVVSD.ORG
- 13 Eagle Crest Elementary Leadership
- ECES.SVVSD.ORG 14 Erie Elementary STEM
- EES.SVVSD.ORG **15 Erie High School** Engineering and Aerospace, AP Capstone
- EHS.SVVSD.ORG 16 Erie Middle School Pre-Advanced Placement EMS.SVVSD.ORG
- 17 Fall River Elementary STEM FRES.SVVSD.ORG
- 18 Flagstaff Academy FLAGSTAFFACADEMY.ORG
- 19 Frederick High School CU Succeed, Biomedical Engineering FHS.SVVSD.ORG
- 20 Grand View Elementary GVES.SVVSD.ORG

- 21 Hygiene Elementary STEAM
- HES.SVVSD.ORG
 22 Imagine PK-8
 Core Knowledge
- IMAGINEFIRESTONE.ORG
- Indian Peaks Elementary STEM IPES.SVVSD.ORG
- 24 Innovation Center INNOVATION.SVVSD.ORG
- 25 Legacy Elementary LEGACYES.SVVSD.ORG
- 26 Longmont Estates Elementary STEM LEES.SVVSD.ORG
- 27 Longmont High School Medical and BioScience, Advanced Placement, High School of Business LHS.SVVSD.ORG
- 28 Longs Peak Middle School Pre-Advanced Placement LPMS.SVVSD.ORG
- 29 Lyons Elementary LYONSES.SVVSD.ORG
- 30 Lyons Middle Senior High School CSU Online Program LMSHS.SVVSD.ORG
- 31 Main Street School MAINSTREET.SVVSD.ORG
- 32 Mead Elementary MES.SVVSD.ORG
- 33 Mead High School Energy Academy, CU Succeed, AP Capstone MHS.SVVSD.ORG
- 34 Mead Middle School EXCEL: Extra-Curricular Engagement and Learning MMS.SVVSD.ORG
- 35 Mountain View Elementary Rigorous Academics Enhanced Through the Arts, STEM MVES.SVVSD.ORG
- 36 Niwot Elementary School of Differentiated Instruction NIWOTES.SVVSD.ORG
- 37 Niwot High School International Baccalaureate NHS.SVVSD.ORG
- 38 Northridge Elementary STEM NORTHRIDGEES.SVVSD.ORG

- 8 Olde Columbine High School OCHS.SVVSD.ORG
- 39 Prairie Ridge Elementary PRES.SVVSD.ORG
- 40 Red Hawk Elementary Core Knowledge RHES.SVVSD.ORG
- 41 Rocky Mountain Elementary STEM
- RMES.SVVSD.ORG
- 42 Sanborn Elementary SANBORNES.SVVSD.ORG
- 43 Silver Creek High School Leadership SCHS.SVVSD.ORG
- 44 Skyline High School STEM, Visual and Performing Arts, P-TECH SHS.SVVSD.ORG
- 45 Soaring Heights PK-8 STEM with an Emphasis in Neuroscience SHPK8.SVVSD.ORG
- 46 Spark! Discovery Preschool STEM
 - SDPK.SVVSD.ORG
- 47 St. Vrain Community Montessori School SVCMONTESSORI.ORG
- 8 St. Vrain Online Global Academy SVOGA.SVVSD.ORG
- 48 Sunset Middle School SMS.SVVSD.ORG
- 49 Thunder Valley K-8 TVK8.SVVSD.ORG
- 50 Timberline PK-8
 STEM
 TPK8.SVVSD.ORG
- 51 Trail Ridge Middle School STEM TRMS.SVVSD.ORG
- 52 Twin Peaks Academy TWINPEAKSCHARTER.ORG
- 53 Westview Middle School STEM
 - WMS.SVVSD.ORG



St. Vrain Valley Public Schools RE-1J 395 S. Pratt Parkway Longmont, CO 80501

#StVrainStorm svvsd.org

in stvra.in/linkedin 🕑 @svvsd

Across St. Vrain Valley Schools, we are taking public education by St. VrainStorm - our shared passion and commitment to advancing academic excellence and student success. Follow our #StVrainStorm hashtag on Twitter to see the outstanding things taking place every day across all of our schools and departments.

HTTP://STVRA.IN/STVRAINSTORM

Photo: 2019 Silver Creek High School Graduation



@SVVSDPartners

