



SCHOOL OF ENGINEERING AND ARTS

1751 Kelly Drive
Golden Valley, MN 55427
763-504-7200 sea.rdale.org



2020 HONOREE



The School of Engineering and Arts Experience

Our Mission

The School of Engineering and Arts (SEA), rooted in the Science Technology Engineering Arts and Math (STEAM) philosophy, will provide a stimulating and engaging atmosphere that fosters all students' innate curiosity and joy of discovery to achieve high levels of success. Students will positively contribute as citizens in a diverse and global community.

Our Vision

Students will be empowered critical thinkers, innovators and collaborative problem-solvers. The integration of STEAM will be embedded within the partnership of active parental and community support.

We operate with the following thoughts for our daily instruction and philosophy:

• What If?

The creation of new thoughts, ideas and products is endless.

• It is Okay to Fail.

It is not necessary to get something right the first time. It is important to keep trying and keep improving.

• Integration and Collaboration

We do not work, learn or teach subjects within silos. Our goal - daily integration of science, technology, engineering, arts and math.

Our school is built on the foundation of inquiry and hands-on learning. We pride ourselves on creating an environment of independent, creative thinkers who will make a difference in this world.

Outstanding Curriculum

SEA, like all schools in the district, has implemented the framework of Positive Behavior Interventions and Supports (PBIS). PBIS is a whole school approach that includes students and staff in all school settings. Through implementation of PBIS, SEA has a learning environment that is more engaging, responsive and preventive, addressing classroom management and disciplinary issues intentionally and timely, and promoting and celebrating a positive school climate. We embrace the fact that no two students are identical. SEA has integrated a Response to Intervention (RtI) block of time every day. During this time, students receive small group instruction to address their specific learning needs, based on careful and ongoing formative assessments.

Grades K-5
Enrollment: 450
School Hours:
9:20 a.m. - 3:40 p.m.

School of Engineering and Arts addresses a STEAM-focus through integration.

Science is addressed on a spectrum of direct instruction, helping to build foundational knowledge, to open inquiry, promoting our students' natural sense of wonder. Science is a part of everyday learning occurring both in and outside of the classroom.

Technology is used as a tool and medium in which to consume and produce information. Multiple forms including hardware, software and programming are used as often as possible in as many ways as possible throughout the students' day.

Engineering is promoted as both design and invention. We use engineering as a verb where action is required. Our method of instruction promotes creativity, thoughtful planning, critical conversations, mistakes and 'almost final' products.

Art is embedded in all aspects of the students' day. Our students' work is reflective of multiple forms of art.

Math, like science, is delivered on a spectrum of direct instruction to open inquiry, focusing on the sequence of understanding from concrete to representational to abstract. Students come to realize that math is the language spoken when conducting science, technology, engineering or arts investigations.

Literacy is woven throughout each of these content areas as well as a stand alone for explicit instruction and learning.

Dr. Heather Hanson

Head Principal
School of Engineering
and Arts

Dr. Hanson has served in the district for 26 years, including the last five years at SEA, six years as principal at Neill Elementary, and one year as principal at Sunny Hollow Elementary.



Adventure Club

Offering before and after school care for children in kindergarten through fifth grade.

Hours: 6:30 a.m. - 6:00 p.m.
Phone: 763-504-5320
www.ced.rdale.org





EXCELLENCE is the Standard



Unified District Vision: High Intellectual Performance Through Equity

Our Mission

The mission of Robbinsdale Area Schools is to inspire and educate all learners to develop their unique potential and positively contribute to their community.

Unified District Vision

Robbinsdale Area Schools is committed to ensuring every student graduates career, *articulated skilled trades and college ready. We believe each student has limitless possibilities and we strive to ignite the potential in every student. We expect high intellectual performance from all our students. We are committed to ensuring an equitable and respectful educational experience for every student, family and staff member, focusing on strengths related to:

- Race
- Culture
- Ethnicity
- Home or First Language
- National Origin
- Socioeconomic Status
- Gender
- Sexual Orientation
- Age
- Ability
- Religion
- Physical Appearance

The Unified District Vision Consists of Four Key Goals:

1. Implement policies and practices that open pathways to academic excellence for all students
2. Utilize culturally responsive teaching and personalized learning for all students
3. Engage family and community members as partners
4. Engage and empower students by amplifying student voice



Visit us online at rdale.org

Asterisk (*) indicates School Board approved modifications, 11/19/2018.

STRATEGIC PRIORITIES

Kindergarten Readiness:

Provide high-quality early learning programs to ensure all students are kindergarten ready.

Measures: Formative Assessment Systems for Teachers (FAST)

Third Grade Reading Proficiency:

Provide differentiated learning experiences to ensure all third grade students achieve grade level literacy.

Measures: MCA and *FAST

High School Graduation:

Ensure every student graduates from high school career, *articulated skilled trades and college ready.

Measures: High School Graduation Rate

Standards:

All staff will teach the state standards

*Pre-K-12, *adult academic

***Measures:** Danielson Model

Central Office Capacity:

Build central office capacity to deliver services in a timely manner to influence student academic achievement.

Measures: *Downey Walk-Through, *implementing efficient operational strategies and *customer service training

Middle School *Transition:

Ensure a smooth academic and social-emotional transition to and from middle school.

Measures: *"Where Everyone Belongs" (W.E.B.) transition program and *College Board recommended curriculum (SpringBoard)