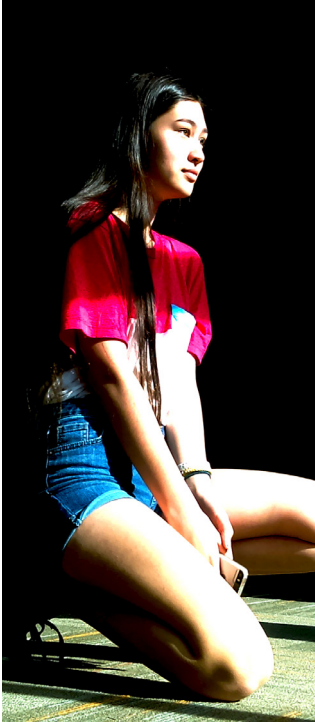


ANNUAL REPORT 2017-18



THE DAYTON REGIONAL **S T E M** SCHOOL



THE DAYTON REGIONAL STEM SCHOOL is a public independent STEM school of choice serving students in grades 6 through 12. Located in Kettering, the school's student-centered education model and focus on workforce preparation makes DRSS a unique and attractive public school option. Through Project Based Learning, career exploration, and strong community partnerships, The Dayton Regional STEM School continues to educate the next generation of Dayton innovators.

Growing Together

was the school-wide theme for 2017-18, which set the stage for a year full of potential and promise for our entire student body.



THE MISSION of the Dayton Regional STEM School is to prepare students with the skills necessary to compete in the global economy while also nurturing in our young people the same enthusiasm for discovery, invention, and application that launched the vision for powered flight. This mission is inspired by the region's history and is aimed at ensuring our community's future success.



DEAR STAKEHOLDERS,

Thank you for another great year at STEM! True to this year's "Growing Together" theme, we saw tremendous growth during the 2017-18 school year in our students, staff, and facility. We are excited to share this annual report as a snapshot of how the students and school continue to thrive.

From the Class of 2018's impressive 100% graduation rate to the 6th grade digital portfolio coding project, students across all grade levels grew in their educational journeys. Our commitment to providing an innovative education through project based learning, college and career readiness, and 21st-century skills creates a bright future for each student, in the STEM fields and beyond.

Thank you for your continued commitment to the students and the mission. Your support and partnership make all of our successes a reality. We hope you enjoy reading this annual report and learning all the ways that we are "growing together" at STEM!

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Our Five Qualities

DRSS is dedicated to enriching the lives of students, both in and out of the classroom. Beginning in 6th grade, educators strive to instill 21st-century skills, specifically our five qualities, in each student that will help them flourish in all areas of their futures.

COMMUNICATION
COLLABORATION
PERSISTENCE
CREATIVITY
INQUIRY



PROJECT BASED LEARNING is the innovative teaching method used at the Dayton Regional STEM School in which students learn by doing. This forward-thinking and student-centered approach is used in every classroom across all grade levels, increasing classroom engagement and understanding.

EXHIBITION OF STUDENT WORK is an important component of Project Based Learning. Winter and Spring Exhibition Nights are the perfect opportunities for students to share their projects with parents, peers, business partners, and other members of the DRSS community. These events help build professional skills like communication, reflection and critique, increases student ownership and engagement, and adds authenticity to their work.



STEM FOUNDATIONS is a middle school course unique to DRSS that teaches 21st-century skills through an IT and engineering infused curriculum. This is where students learn the basics of project based learning, tips for being successful at the STEM School, how to interact with business partners, and much more. Sixth grade students also begin to code their own digital portfolios which are built upon through their middle and high school careers. STEM foundations is a cornerstone of DRSS and is instrumental in preparing students for a rich learning experience and a bright STEM future.



DRSS Training Center

The STEM School has a great thing going, so why not share it with our educator friends, near and far? The DRSS Training Center strives to collaborate, educate, and inspire teachers across the region through workshops, conferences and more. By connecting teachers together and sharing best practices, the potential for enriching young minds is endless.



The Real World Starts Here

The motto of the Dayton Regional STEM School encourages educators to create and maintain an innovative and authentic learning environment for all students. To accomplish this, college, career, and future exploration and readiness are at the top of the priority list for every student, no matter their interest.

COLLEGE AND CAREER FAIR allows all 650 DRSS students the chance to connect with over 50 industry partners and higher education representatives to explore the vast opportunities for the future.

JOB SHADOW DAYS are arranged for 9th and 10th grade students to spend a day with a mentor of their choosing, learn about a prospective occupation, and catch a glimpse of the professional world.



INTERNSHIP is a vital capstone for each student's career exploration journey. Upperclassmen complete a 72-hour internship with a partner of their choice. Students build up their professional skills and add real-world experience to their growing resumes.



Career Pathways

Engineering and IT Pathways provide early opportunities to deep dive into in-demand industries. Students begin to explore the pathways in 6th grade.



Number 1 Dayton High School

The Dayton Regional STEM School was recognized as the top high school in the region by Dayton Business Journal.

25 PATHWAY STUDENTS EARNED IT CERTIFICATES

to help them stand out amongst their peers in the workforce. These included Network, PC, Linux, and Security Pro through TestOut.

OUR 100% GRADUATION RATE is a testament to the engagement of each and every student, as well as the value in their education and future.

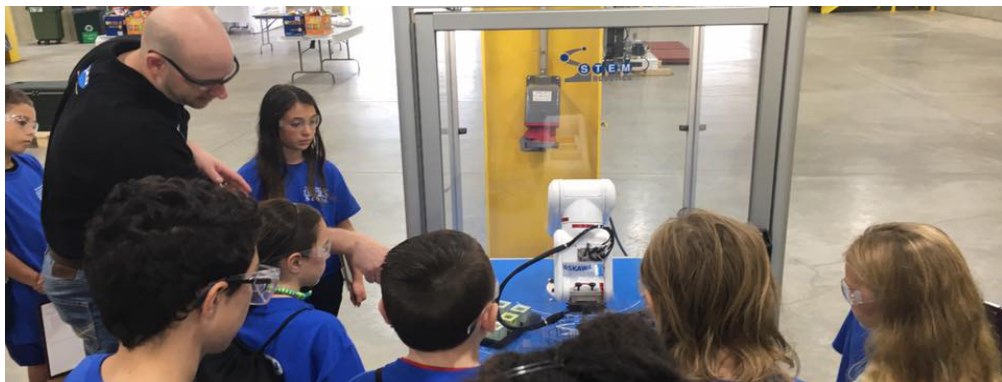
70% OF GRADS PURSUED STEM MAJORS from the Class of 2018. This statistic is exceedingly high compared to the national average of about 25%.



\$6.3 Million

The Class of 2018 was awarded a record in scholarship dollars from their future universities and community partners.

STUDENTS SCORE HIGHER on all standardized tests, including the ACT and proficiency exams, than the national average, even though teachers do not "teach to the test."



A Year of Highlights

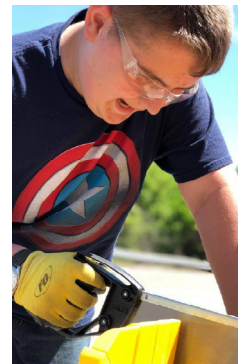
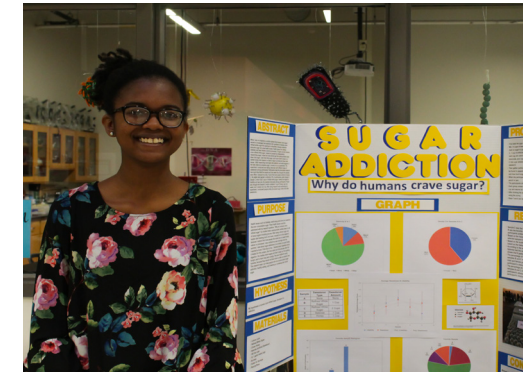
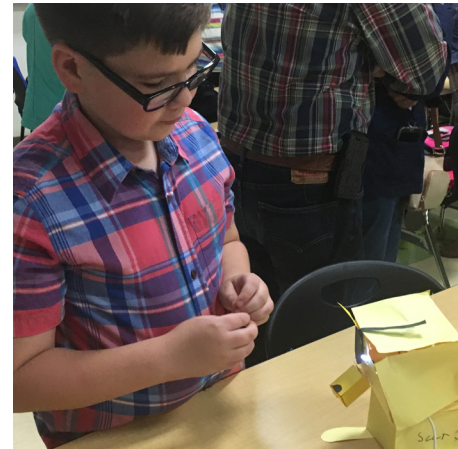
Take a walk down memory lane as DRSS celebrates some of its favorite moments from 2017-18!



- 9.13 9th Grade Job Shadow Day
- 10.6 Production Control Units hosted over 100 6th grade students during National Manufacturing Day
- 10.6 Family Trivia Night
- 11.8 \$10,000 was raised on NOV8 Giving Day
- 11.10 The Training Center hosted over 100 teachers at the Project:WRIGHT Symposium
- 11.16 DRSS was named an honoree for "Best Not-for-Profit" at Dayton Business Journal's Best of 2017 Awards.
- 12.14 Winter Exhibition Night

- 2.2 Annual Science Fair
- 2.5 During ACE Week, students and staff spread kindness and acceptance throughout the STEM community
- 2.12 We Love Our Supporters Week
- 3.13 80 partners participated in the Annual College and Career Fair
- 4.25 \$15,000 was raised for a new Assembly Hall during Spring into STEM Giving Days
- 5.4 10th Grade Job Shadow Day

- 5.10 Senior Awards Night
- 5.16 Students took a deep dive into their choice of 21 unique course offerings during STEMmersion
- 5.26 Class of 2018 Graduation
- 5.10 New students signed STEM-bound certificates during Signing Day
- 5.31 Spring Exhibition Night



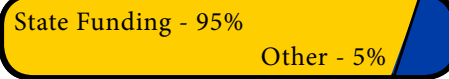
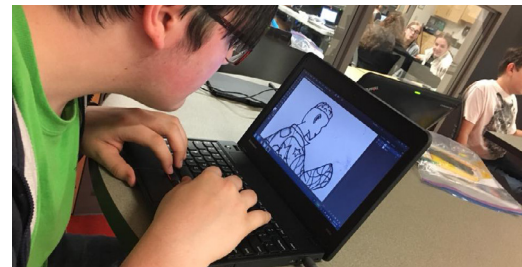


YOUR COMMITMENT TO FUNDING THE MISSION

through generous donations makes a great impact on the educational experience of each STEM student and the overall success and sustainability of the school. While state funding provides 95% of our operating income, your support provides an extra boost to a tight budget. Donations and sponsorships provide students with resources and tools necessary to prepare them for the real world, while helping us reach strategic goals and prepare for our future growth.

REVENUE - \$5,349,572

This includes state funding, donations, sponsorships, and federal funding.



EXPENSES - \$4,863,134

This includes curriculum, staffing, technology, and maintenance. We also include facility payments, property tax, audit and banking fees, and other administrative expenses ("Other" category).



Staffing - 66%
 Maintenance - 11%
 Curriculum - 7%
 Technology - 5%
 Other - 11%

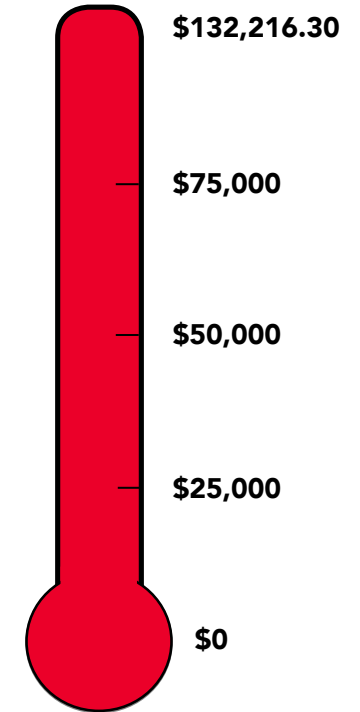


UNRESTRICTED GIFTS - \$102,901.80

These donations provide important general operating funds for curriculum, technology, maintenance, and staffing.

RESTRICTED GIFTS - \$29,324.50

These gifts are designated for specific project and extracurricular clubs offered at the STEM School.



DRUM ROLL PLEASE... \$132,216.30 RAISED

The Dayton Regional STEM School is so thankful for the generous contributions made this year to help achieve strategic goals and enhance the educational experience of all STEM students.

Your Gifts in Action

How do your gifts make an impact to the students and mission of the Dayton Regional STEM School? Find out as we highlight some of this year's fundraising initiatives!

NOV8 GIVING DAY

On November 8th, we paid homage to our mascot, Ace the Innovator, for NOV8 Day (get it, in-no-vate?). This felt like a perfect time to hold our first-ever giving day and to encourage our stakeholders to participate. Our goal was 100 donors in one day, and that goal was surpassed! There were 110 "NOV8rs" who raised more than \$10,000. They helped generate additional operating funds for the day-to-day needs of the school. Students were the direct beneficiaries of NOV8 Day because the operating funds support resources that they use every day like the 1:1 laptop initiative, textbooks, and lab equipment.

Proud
STEM
NOV8r



STEMMERSSION

After the regular school year ends, STEMmersion begins! For 10 days, students participate in one of over 20 course offerings where they are immersed in project based learning. STEMmersion is unique to DRSS, and students love the opportunity to explore a subject of interest – or even try something new. Courses range from video production and photography to outdoor learning and volunteering. This year, our sponsors donated \$20,000, and made it possible for all students to have access to materials, tools, software, and transportation in their STEMmersion courses.

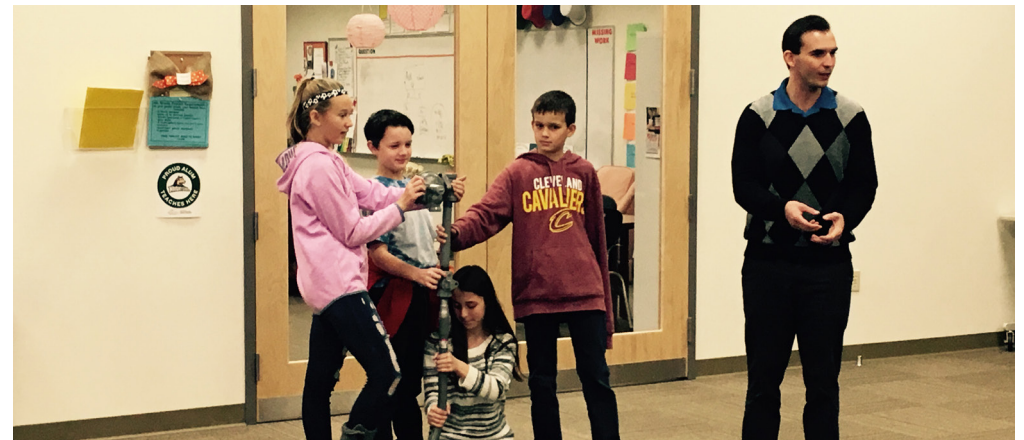


SPRING INTO STEM GIVING DAYS

In April, we held our 2nd giving day, which focused on showing support and building excitement for our upcoming facility project. The renovation will include five new classrooms, a science lab, industrial workspace, and assembly space. Through Spring into STEM, we raised \$15,000 to be used in outfitting the new Assembly Hall with a stage, podium, sound and lighting equipment. This will be the perfect location for future student presentations, community partner visits, and special events.

ENGINEERING PATHWAY POWERED BY VECTREN

For the second year, Vectren partnered with STEM to support our Engineering Pathway students. Vectren is committed to developing the future engineering workforce by encouraging students to explore the variety of careers in this field. Their funding contributed to materials for Engineering Pathway courses for grades 6-12, including robotics, hydraulics, bridge-building kits, and other tools. Vectren also provided funds for the Women in Science and Engineering Club and Girls Engineer STEMmersion, allowing students to the explore engineering outside of the classroom. STEM hosts employees for Vectren Days twice a year to engage students in engineering challenges and to share career insights.



Thank you to our donors and sponsors!

Names in **bold** are Innovator Club donors who gave \$1000 or more in Fiscal Year 2018.



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AFCEA - Dayton Wright Chapter

Christina Allen
Shirley Alvarenga Morrow
American Chemical Society of Dayton
American Society of Heating,
Refrigeration & Air Conditioning
Engineers

ASHRAE - Dayton Chapter
Michelle Aragon

Brian Arehart
Aimee & Brian Ashcraft
Antonio Ayala

Karen Baker
**Barge Design Solutions
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Annalyn Gehret

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The Dayton Regional



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