



A publication designed to build community pride and awareness in the South Euclid Lyndhurst Schools

SEL Schools: **DEDICATED TO TECHNOLOGY!**



The SEL Schools has made a dedicated effort to get more technology into the hands of the students at younger ages.

SEL Schools unveils its Google Chrome Book 1-to-1 plan

1-to-1 Chromebook-to-Student Ratio

Abiding closely by Destination 2018, the district's strategic plan and the community-sponsored core value to meet the demands of the future, The South Euclid Lyndhurst Schools has successfully launched into the next phase of its ongoing technology plan, by introducing a 1-to-1 Chromebook-to-student ratio in grades 2 through 12. This comes as the subsequent phase of the district's 24-month technology roll out plan, that was initiated last summer and which should come to completion by the end of this calendar year. Phase I, as the community will recall, included outfitting all classrooms throughout the district with standardized resources such as White Boards, Sound Enhancement Systems and the Internet. The SEL Schools' technology team has successfully installed these items in five of the district's buildings, and is currently working to complete Charles F. Brush's component, the final building in the process, by December.

This new phase extends the concept of standardization to the devices on which students complete their school tasks. All students in grades 2 through 12 will have their very own Chromebook on which they will work throughout the school day. These Chromebooks are school district property and will remain on the school premises and will not be taken home. The supplied device will provide each student access to educational materials needed for achievement during the school year. The Chromebook will allow student access to the G Suite (Google Classroom) for Education, Progress Book and other web-based educational tools required by the curriculum. The Chromebook is an educational tool and not intended for gaming, social media/networking or high-end computing. Students who are in grades kindergarten through 1st will have a bank of Chromebooks that will be made available to them throughout the day.

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"The SEL Schools are dedicated to meeting the demands of the future..."

-SEL Schools Core Value



Technology-Rich Classrooms Are a Best Practice *(Continued from Page 1)*

Exposing students to a technology-rich classroom environment prepares them for life after their graduation. Doing so is also a Research Based Best Practice. With the hope of equipping our students to compete in a global society, the SEL Schools intends to bring educational innovation and a collaborative spirit to the classroom. Already, each building has hosted a 1:1 parent meeting where students and their parents attended to learn about the usage policy for these Chromebooks, commonly accepted do's and don'ts for the devices and other pertinent information. Ultimately, the mission of the 1:1 program for the South Euclid Lyndhurst School District is to create a collaborative learning environment, through the utilization of district approved technology, for all students. This environment will enable and support students and staff to implement transformative uses of technology while enhancing students' engagement with content and promoting the development of self-directed, responsible lifelong learners and users. Students will transition from consumers of information to creative producers and owners of knowledge.



Adrian Elementary Students Using Technology to Prepare for Future Careers!



Students at Adrian Elementary School are taking major strides to prepare themselves for the workforce and are using technology at nearly every step of the way. Thanks to a dedicated media and library teacher, Ms. Cathy Stang, students are using various computer and Google-based programming to learn about science, history, math, timelines and other necessary skills. Ms. Stang, who is a veteran teacher in the SEL Schools of nearly 30 years, has developed a collaborative approach with her colleague teachers to help supplement many of the lessons being taught in the traditional classrooms. For example, many of the elementary students have already been exposed to how to build Power Point presentations, using images, developing slide titles and writing descriptors for each of the slides. Some of the Power Point presentations in part created by students include historic moments in our nation's past, to help bolster social studies lessons. Others include presentations on landforms, to help reinforce science lessons. According to Ms. Stang, "we simply coordinate with teachers in the core subjects to help get students to use technology in a way that corresponds with classrooms lessons."

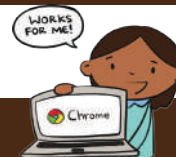
In addition at Adrian Elementary School, Ms. Stang has collaborated with students to form a Technology Club which meets each week on Thursday mornings at 7:45 a.m. This Technology Club exposes students to web-based resources to help improve science, math and reading skills. The SEL Schools truly believes this technology skill-building is preparing the district's youngest students with 21st Century Skills.



Ms. Cathy Stang is collaboratively working with her colleague instructors to supplement skills with her elementary students at Adrian.



English and Language Arts Instruction Benefitting from District's Technology Rollout



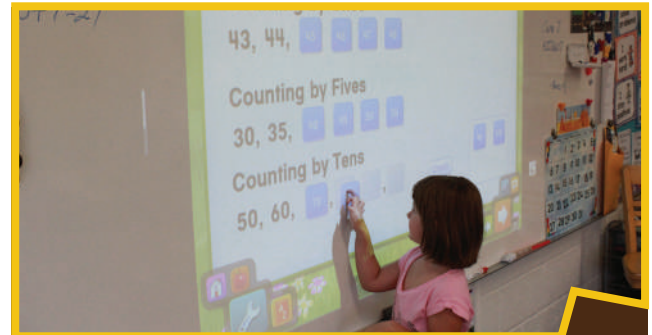
Students in Mrs. Wilson's English and Language Arts Class are using technology to learn idioms and adages.

Greenview Upper Elementary students are taking lessons in English and Language Arts to an entirely different level, by not only reading and analyzing classic literature and short stories, but doing so with new technology. Rather than textbooks, students are now reading stories on their very own Chromebooks or in interactive sessions on the main Whiteboard screen in their classroom. Once the material is read, small learning groups are created based on STAR data, to more constructively engage in the lesson with technology. For example, idioms and adages were a recent topic of discussion in Mrs. Thomas' 5th grade ELA Class, and once students had the opportunity to review a various short story, students then broke out for more engaging training on the subject matter. One group gathered around the White Board to use the interactive technology to match idioms with the underlying substantive meaning. Another group used the Chromebooks to answer questions about the reading material, doing so by working as a small cluster of 3 or 4 students, helping each other along the way. Still another group plugged into the classroom sound enhancement technology to listen to a follow up lesson on their device. With the new technology deployments from the SEL Schools' districtwide initiative, students at Greenview Upper Elementary School remain actively engaged in technology while positively improving their English and literacy skills as well.

Sunview Students Preview Apps Such as Extra Math and Spelling City on Classroom Whiteboards

To help ensure that students possess the skills and knowledge necessary to succeed in an increasingly competitive and globalized economy, the SEL Schools are leveraging technology to promote 21st century learning in every classroom. At Sunview Elementary, teachers have taken steps to incorporate technology into all aspects of the classroom environment. Using Google Chromebooks which feature Google Classroom, an online learning platform, as well as various educational apps, students can access, complete and submit class assignments and tests online. Students can also practice and review classroom content with apps such as Extra Math or Spelling City, and receive immediate feedback specific to their learning needs. In addition, teachers can review testing data online and adjust instruction for each individual student.

Digital whiteboards enable students to interact with and manipulate content area concepts daily, by projecting online activities and games onto the whiteboard surface. The students greatly enjoy the interactive option and are eager to demonstrate their level of understanding. At Sunview Elementary, technology truly is the learning of the future.



Sunview student using Classroom Whiteboard technology for a science and math question.

Rowland Elementary Students Successfully Using Google Classrooms, Chromebook Devices and Other Online Learning Platforms



Ms. Noah and her Rowland Elementary School classes are developing 21st Century Skills with some of the district's youngest students.

New forms of technology are helping to transform learning in relevant and engaging ways at Rowland Elementary School. Using Google Chromebooks, students can complete and submit class assignments digitally, as well as experience interactive educational games and learning programs. As a result, teachers can grade assignments online and provide instant feedback to students on their academic performance. The online capability also provides teachers the ability to more quickly access and analyze student data, enabling them to individualize learning assignments for each student. Google Classroom, an online learning platform, is another form of technology that is positively impacting student learning at Rowland. In addition to organizing and storing class assignments and assessments, teachers can incorporate Google Classroom into lesson plans by projecting online activities onto the digital whiteboard, enabling both the teacher and students to interact with it on the whiteboard or their Chromebook devices.

Memorial Junior High First to Roll Out 1-to-1 Technology Initiative



Throughout the hallways and classrooms at Memorial Junior High, there is a renewed sense of excitement about learning shared by students and teachers alike, thanks to the increased use of classroom technology. As part of the district's 1-to-1 technology initiative, the SEL Schools are rolling out a plan to provide every student in grades 2nd thru 12th a Google Chromebook for classroom use. Memorial is the first building in the district to provide the devices to every student. While the devices do not completely replace printed classroom materials, they have opened new possibilities for learning and have improved student engagement. Google Chromebooks provide students the ability to organize, complete and turn in assignments online, reference digital copies of textbooks, receive instant feedback, as well as access videos and other resources that provide additional support. The devices have also had a positive impact on student learning, as students have experienced improved test scores since the devices were introduced.

For teachers, incorporating Google Chromebooks into everyday learning has given them the ability to more quickly assess a student's level of understanding, and as a result, more effectively meet their unique learning needs. The increased use of technology has also provided teachers an opportunity to teach students about using Google Chromebooks and other types of technology responsibly. The district's 1-to-1 technology initiative was recently spotlighted by News 5 Cleveland and gave students, teachers and staff the opportunity to share on-camera how the devices have positively impacted classroom learning. Moving forward, teachers and students at Memorial look forward to exploring new ways of learning and achieving using technology in the classroom.



Mr. Romanoff at Memorial Junior High School where the 1-to-1 Chromebook initiative first provided each student with their own device.



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SEL SPOTLIGHT

**CHARLES F. BRUSH SENIOR ALEXIS ANDRICH, JUNIOR
JULIA KIEFER, JUNIOR KAREEM KING**

Three Students From Charles F. Brush High School Participate in Young Scientist Foundation Summer Internship Program

This entire edition of the Arc Pride publication has shared with the community some of what the SEL Schools have done over the past few years and what will be done in the future to help prepare each of its students for their respective, high-performing career paths. Science, technology and math have all been strongly promoted through curriculum and outside-of-the-classroom learning experiences. The SEL Schools is very proud to share with the community that three Brush High School students had the distinct opportunity to participate in the very prestigious Young Scientist Foundation Summer Internship program in partnership between Case Western Reserve University and Mount Sinai Hospital in New York City.

Blending a passion for their respective future along with the science foundation they have received in the SEL Schools, Brush senior Alexis Andrich and juniors Julia Kiefer and Kareem King were three of the twenty students in the local area who spent the summer performing biomedical research alongside graduate and post-doctoral students, on fighting the widespread effects of cancer and the human body. Alexis, who aspires to become a pediatrician one day, claims that 'this opportunity will help me to gain the research experience and leadership skills needed for conducting my own research in college one day.' Julia Kiefer has an interest in cellular biology and environmental science, participates in the Science Olympiad, the Environmental Club and leads Brush's Envirothon team. Kareem King pursued the opportunity to be a Young Scientist Foundation member because of his keen interest in observing scientists working in laboratories and deploying their skills.

With the pursuit of achieving the goals and fulfilling the core values outlined in Destination 2018, the SEL Schools' strategic plan, the district is proud that these students have begun their quest to achieve their future career and educational goals. These students' participation in this program is a testament to their hard work and their own personal initiative. The South Euclid Lyndhurst Schools congratulates these students on their success and earning a coveted spot as part of this program, helping to demonstrate the SEL Schools' dedication to equipping students with 21st Century Skills for their respective futures.



Charles F. Brush High Schoolers Alexis Andrich, Julia Kiefer and Kareem King join Mr. James in a science classroom. These three individuals were one of 30 students nationwide to participate in the Young Scientists Program this summer at Case Western Reserve University.