



K-6

Skyline

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1

According to Sahin & Top (2015), we live in an innovation driven world and students should learn ways to integrate knowledge across content in order to be successful in that world. At Skyline, we hope to create the innovative leaders of tomorrow.

2

Children should be able to navigate many sources at the same time in order to apply the concepts to solution based design (Chiang et al., 2020). The needs of the globalized economy greatly alter the ways in which education is relevant.

3

Fitzgerald et al. (2021) pointed out that American students are falling behind due to the broken educational systems in place. The old methods of education, which are still in use, no longer apply to the 21st century.



NEW REALITIES OF MODERN EDUCATION

Students at Skyline Math & Science Academy are experiencing the beauty of education through immersive STEAM education coupled with a rigorous academic program. Children, as learners of the 21st century, crave intensive, hands-on experiences that foster creativity, design, and a love of learning. For example, students at Skyline are learning technology skills through our partnership with Create & Learn and MDE.



Leadership Message

Abdirahman Abdulle
Executive Director of Skyline Math & Science Academy

Hello all,

I hope everyone has enjoyed their winter break. I look forward to seeing all of you again.

As always, I would like to apprise you how much I appreciate your hard work and efforts for supporting and educating our future leaders.

I can't imagine that half of the school year is gone. Already, the end of the school year is fast approaching. And yes, time is of the essence in our struggle to educate our students. We must utilize all resources at our disposal to expedite learning, teaching and instructions for our learners. I have the strong belief that we have the capacity to convey and deliver parent and community expectations.

During the winter break, we have sanitized and cleaned all the buildings including offices and classrooms. Covid19 is spreading at lightning speed again. Let us minimize congregating, movements, and gathering of any size to mitigate the spread of Covid19 pandemic in our school. We have people sick and out for the pandemic this week. Let us work collaboratively and support each other in moving our school forward.

We must look forward to the future and try to ideate different ways our students can enhance their learning. We all have responsibilities to envision what our school community can potentially look like. When we feel hospitable and we share ideas, that is when we feel united and as a community. In my experience, I have seen that when people feel confidence to share and exchange their ideas, they will always excel in the workplace. In the end, please know that our future depends on our imagination, collaboration and critical thinking of the reality on the ground without feeling personal on issues.

Best regards,

Abdirahman Abdulle



Create & Learn

Create & Learn, through partnership with Skyline and MDE, has been providing students with coding and technology education from industry experts. Create & Learn was started to provide children across the world with the necessary skills to become the future leaders in technology. Students in grades 3-6 engage via Zoom with experts in technology once per week. Students are creating coding projects like animations and games!



Writing Workshop

Two Shrews Press, in partnership with Lauren Mael, MDE, and Skyline, has created a Writing Workshop for students to write about their lives and culture.

Thank YOU

**To Our Math Motivators
Corporate Supporters!**

Math Motivators, an Actuarial Foundation program, has been mentoring 5th grade students at Skyline once per week. Students are learning mathematics alongside corporate actuaries. This has been a wonderful experience and will begin again in Quarter 3!

COMMUNITY RELATIONS

The University of St. Thomas sends pre-service teachers to Skyline twice per week. This initiative is designed to build community connections between Skyline & the world of higher education. This partnership has greatly expanded St. Thomas's field placement coursework and it is projected to continue far into the future. We thank the Department of Teacher Education for their support!!



ACADEMICS

Since the COVID-19 pandemic began, students have experienced barriers to education in various ways. At Skyline, we are offering a robust extracurricular tutoring/intervention program, in partnership with MDE, to provide students with more individualized instruction to close gaps. We see the value of utilizing data-driven instruction to change the way that we serve students.

21st Century Learning

Students have access to diverse mentors across the country who provide motivation and academic support. These mentors see the value of providing children with skills to enhance their success later on in life.



Engineering Workshop

Learn Engineering & Design concepts from Cody Steuck, a Process Engineer at Wausau Coated Products!!

Cody's participation in this project is prompted by his desire to show children how mathematical knowledge applies to the real world—something he was eager to do in his own K-12 education. Due to curriculum gaps, there can be a disconnect between applicability of knowledge and the learning happening within classrooms. Cody hopes to inspire children to see career possibilities in STEM at a young age, specifically in engineering and manufacturing. He designed the Engineering Workshop curriculum to allow multiple entry points, regardless of age, reading level, or mathematics prowess. All children can immerse themselves in the world of engineering despite the labels they may have been given throughout school. Cody hopes this curriculum will inspire more children to consider how machines work and discover ways to make them work even better.



Upcoming events:

- Parent Night (January 19)
- Parent/Teacher Conferences (January 27-28)
- Book Club (January 17)

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