

STEM-ing Off In A New Direction

Lino Lakes Elementary is exploring a bold and exciting journey toward becoming a STEM school. Through an integrated STEM education our student will experience problem-based learning and hands-on activities that will challenge them in the areas of science, technology, engineering and math, ensuring that they will be well prepared for the 21st Century.



Integrated STEM education actively engages students in learning through discovery and hands-on activities.

Designing Our Future



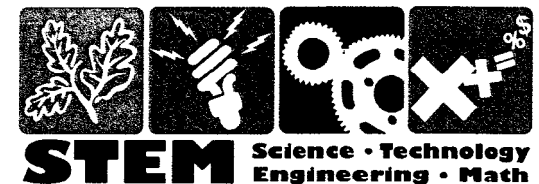
STEM Science • Technology
Engineering • Math

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Taking a look at

Integrated STEM Education at Lino Lakes Elementary



STEM Science • Technology
Engineering • Math

What is STEM Education?

The acronym STEM stands for Science, Technology, Engineering, and Mathematics. STEM education combines these areas in an integrated, problem-based approach to teaching and learning with an emphasis on critical thinking, communication, collaboration, and creativity.



Benefits of Integrated STEM Education

All students benefit from integrated STEM education; it teaches independent innovation and allows students to explore subjects in greater depth. The hands-on nature of STEM instruction increases the likelihood of success among students of all learning styles. Today's world requires our work force to possess strong skills in critical thinking and working collaboratively; STEM education prepares students for these challenges and offers them expanded career opportunities in the 21st Century.

designer

Why STEM?

STEM education increases student engagement by transforming the typical teacher-centered classroom through greater emphasis on student-centered curriculum that is driven by problem solving, discovery, and exploratory learning.

problem-solver

STEM Education Is the Future

Experts say that technological innovation accounted for almost half of U.S. economic growth over the past 50 years, and almost all of the 30 fastest-growing occupations in the next decade will require at least some background in STEM.

<http://www.changetheequation.org/>

inventor

Battling an Image Problem

Math and science in our country suffer from an image problem. In a recent poll, nearly a third of Americans aged 18 to 34 said they would rather clean the bathroom than solve a math problem.



Whoa! STEM is really cool!

critical thinker