



**S is for Science!**

We will create an ecosystem within our two courtyards; while studying our natural world.



**T is for Technology!**

We are excited about exploring the metaverse while discovering new innovations in technology.



**E is for Engineering!**

Come and visit our Lego lab while we design new engineering systems for our global society.



**A is for Art!**

We will use our imagination to create artistic expressions through dance, music, foreign language, and art.



**M is for Math!**

Math is everywhere! Engineering, science, art and technology all have Math in common.

*Dear Parents/Guardians:*

*The goal of Prairie-Hills Elementary School District 144 is to provide an enriching and rigorous academic program that ensures the success of all students. The summarized expectations listed in this pamphlet embodies our collective belief that all PHESD144 students will become effective, strategical readers and mathematical thinkers so that they can succeed academically, pursue higher education, find challenging and rewarding work, participate in our democracy as informed citizens, appreciate and contribute to our society, and pursue their own personal goals and interests throughout their lives.*

*Working in partnership with our educational staff, our parents are becoming familiar with the Common Core standards to better understand district and state expectations in reading in math. It is our desire that this summarized version of the expectations will help you converse with the educational staff and enable you in your endeavors to help your child succeed academically.*

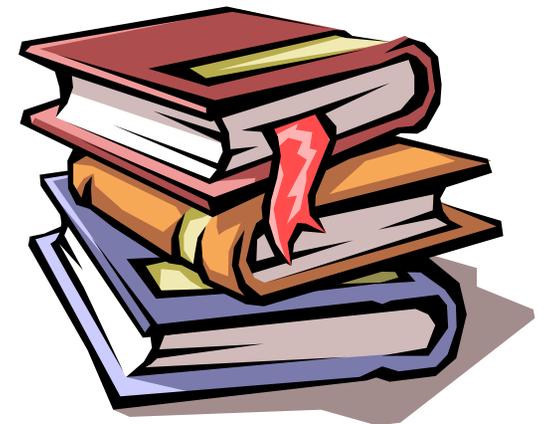
**PRAIRIE-HILLS ELEMENTARY SCHOOL DISTRICT 144**



Today's Students.....

Tomorrow's Leaders

**A SNAPSHOT OVERVIEW of STEAM Academy Expectations**



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# Prairie-Hills STEAM Academy Expectations

The goal of the S.T.E.A.M. Academy is to:

- Provide students with specialized instruction and achieve skills in a variety of modalities. Develop a long-lasting interest for innovation and creative problem-solving utilizing the 4 Cs:

*\*Communication*

*\*Critical Thinking*

*\*Collaboration*

*\*Creativity*

- Increase self-esteem and confidence with new skills and platforms to showcase their projects.
- Begin developing an individual portfolio of projects and leadership opportunities.
- Acquire proficiency in a multitude of technologies and makerspace components. Build new friendships.
- Develop long-term leadership skills through an emphasis on empowering the student creator.
- Cultivate teamwork skills and positive role-modeling within the Academy and school community.
- Enrich the involvement of all stakeholders and community partners by expanding the STEAM program through volunteering.

The **STEAM** framework brings the five disciplines together to create an inclusive learning environment that encourages all students to participate and contribute.

This holistic approach encourages students to exercise both the left and right sides of their brains simultaneously.



## Topics of Study include:

- Engineering Design Models
- Problem-Solving
- Resiliency
- Digital Citizenship & Technology Fluency
- Portfolio Design
- Collaboration & Communication Leadership



## Curricular Focus

**Language Arts** will be carefully articulated and weaves together appropriate experiences in written language, vocabulary, punctuation, grammar, proof-reading, spelling, handwriting, dictionary skills, speaking and listening skills, organizing skills and literary appreciation

**Math** will provide a strong math foundation for our students. Emphasis is placed on the mastery of math topics while emphasizing problem-solving, computational skills, mental math, word problems, and pictorial solutions..

**Science** will reflect exploration and discovery. The tools and skills students need to guide them in their investigations. The academic groundwork will begin with the practical application of investigating.

**Social Studies** will center on our relationships with each other and with the world: nature, family and friends, school, neighborhood, city, state, our nation, and other nations and communities.

**Arts** will expose our students to fine arts allowing each child the opportunity to discover and celebrate his or her own unique skills, talents, and artistic expression

**Learning Lab** will promote a love and support for literacy by providing opportunities for literature appreciation, research, and enrichment

**Physical Education** will connect the values between mind and body. Physical education will develop wellness and seeks to promote a lifetime appreciation of physical fitness.