

# What's Happening in GGM STEM

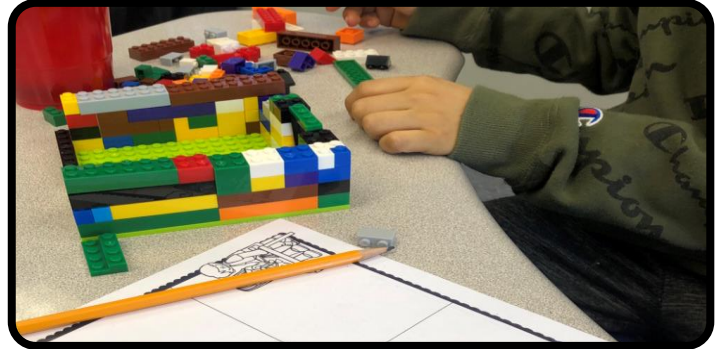
January/February 2022

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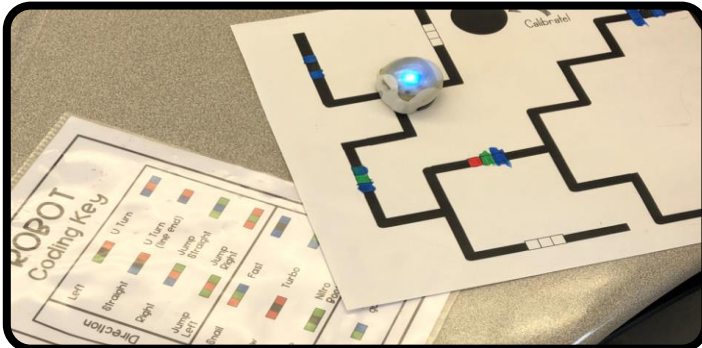
## Second Grade STEM

Second Grade STEM used their building skills and the Engineering Design Process to create Lego buildings. The students sketched their ideas on a planning sheet and made a prototype using Legos. This project took a lot of determination to get all of our pieces to fit properly on a base plate that was used as a foundation!



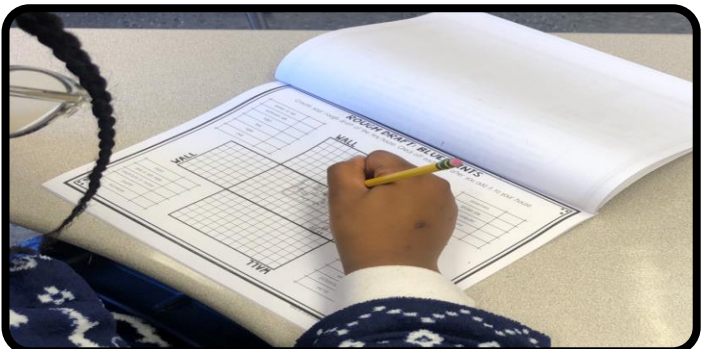
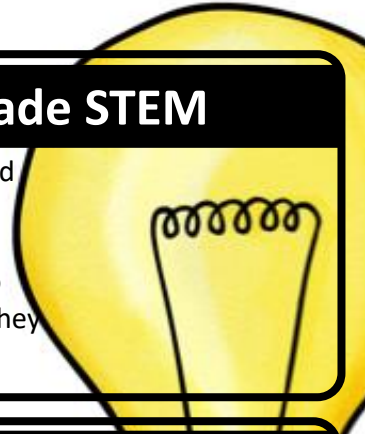
## Third Grade STEM

Both Third Grade STEM classes have been working with our new Plus-Plus blocks! Plus Plus Blocks are one shape that interlock with other blocks to make endless creations! The class worked with the blocks to make bridges, towers, waterfalls, rainbows and animals!



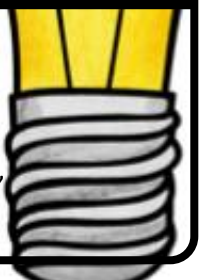
## Fourth Grade STEM

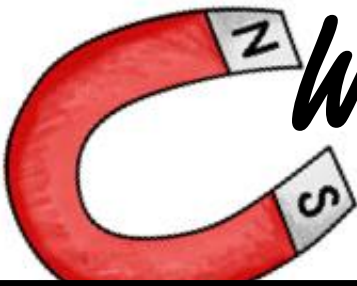
Fourth Grade STEM designed Ozobot courses! The class used their coding skills to program the small robots to navigate the large courses they collaboratively designed!



## Fifth Grade STEM

Fifth Grade STEM students are in the beginning stages of designing tiny homes. The class has been working on sketching blueprints and layouts of 400 square foot homes. Once the blueprints are complete, the students will construct 3D paper models of their homes!



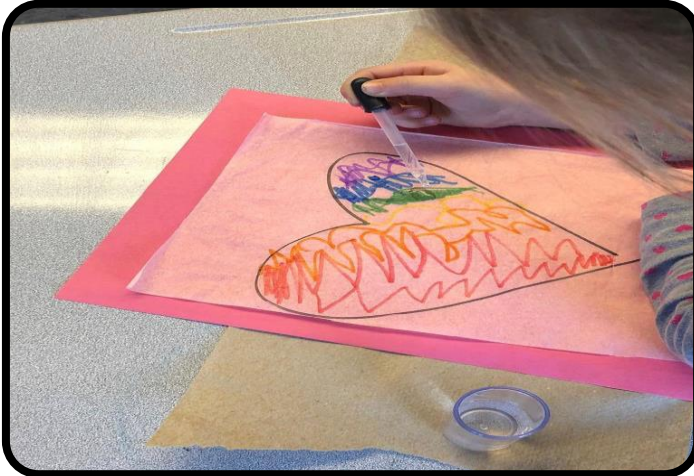


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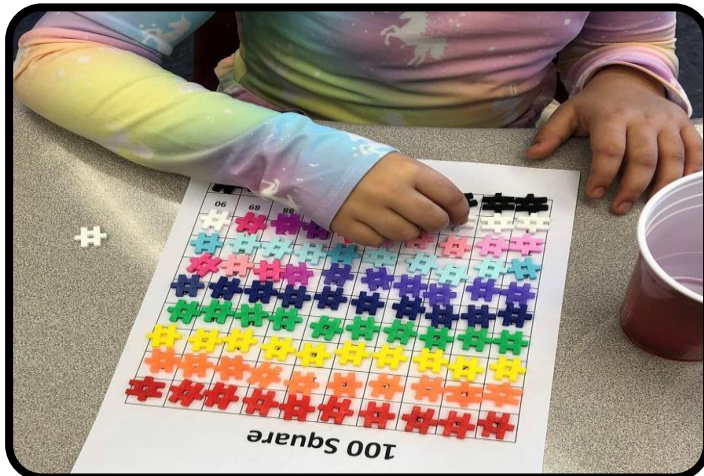
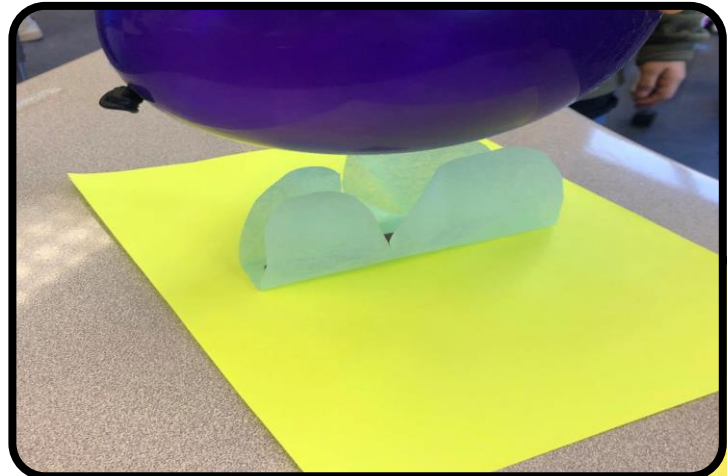


## Pre-K STEM

Pre-K students celebrated Valentine's Day in STEM with a heart science experiment! The students constructed paper hearts on tissue paper and colored them with markers. After filling the hearts in, we used eye droppers and water to observe the changes that the marker and paper undergo when they get wet! A fun fact we learned that our heart is about the size of our fist!

## Kindergarten STEM

Kindergarten STEM explored static electricity with a balloon activity! The students created butterflies with construction and tissue paper. The class needed to get the butterflies to move their wings by rubbing balloons on their shirts to create static electricity. When the balloon was placed close to the tissue paper wings, they would lift off of the paper and move!



## First Grade STEM

First grade STEM celebrated the 100<sup>th</sup> Day of School with a 100 blocks challenge! The students used a 100s chart to organize their materials. For this challenge we worked with small hashtag blocks that link into each other. The class created towers, houses and models of animals with their 100 blocks!

