STEM Through and Through

As a STEM school we recognize and apply STEM principals throughout all of our core content areas as well as through the creative arts. We do this with a smooth flow as we integrate STEM into these courses at times without much fanfare. This is a time that we want to highlight the STEM integration in Social Studies and Art.

Dr. Morrison’s 7th grade Social Studies students used the design process in geography using geographic concepts to design a new world. Students had to brainstorm and design a world that included new systems that would solve new problems for a new world. The criteria included considerations of the physical environment, human environmental support systems needed to function in the new world and human environment interaction. Models were designed and built to meet the criteria and math was integrated using ratios to build a model to scale.

Ms. Harkless’s Art classes used the principal of radial balance creating kaleidoscope designs using origami shapes. The origami shapes were then strategically placed equally to create a circular design. She states that there are many ways that visual art integrates with STEM. Particularly with this project, radial balance can also be translated as symmetry. By matching the colors equally to create combinations the students learned how to apply visual weight. “My students thought that origami would be hard initially, but once they got all three folds they couldn’t stop making them.”
The STEM Extras

Exposure, Experiences, Extracurricular and Excitement!

Hour of Code Week
1000 hours + of coding