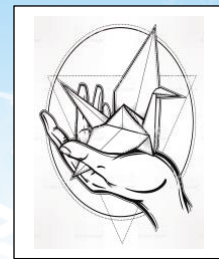


W I N T E R 2 0 2 2

The GT Grades 3-6

Ridgewood Avenue School Newsletter



The Origami Revolution Unit

The world surrounding Origami, its history, and its usage in today's modern world has been explored by students via paper folding activities, documentary videos (PBS *Between the Folds* and *The Origami Revolution*), and a collection of historical anecdotes. The traditional Peace Crane was introduced via the story of "Sadako and the Thousand Paper Cranes." Details of the Children's Peace Monument in Japan and the collection of cranes presented to the 911 Memorial in Manhattan were also shared to synthesize the paper crane as a symbol of healing.

Tasked with not only producing 3 pieces of origami displaying 3 different levels of difficulty, students were also challenged with a creative writing piece that perpetuates the directions for completing one of these pieces. In the upcoming days, the original "Story-gami" creations will be performed in class.

Forthcoming...The Engineering by Design Unit

To capitalize on the Grand Engineering Challenges of the 21st Century, each grade level will pursue a related topic of investigation. <http://www.engineeringchallenges.org/challenges.aspx>

Grade 3: Water Sustainability- Students explore the limited amount of water on Earth, research various bodies of water, and review areas of the world lacking this resource.

Grade 4: Solar Energy- Students review the history of this alternative energy source, and construct a solar powered vehicle.

Grade 5: Nanotechnology- Students evaluate advantages and disadvantages, and possible usage for infrastructure reform.

Grade 6: Biomimicry- Students look to nature's models of solving problems, and utilizing this knowledge to help create products for a sustainable world.