Page Street Elementary STEM Classes

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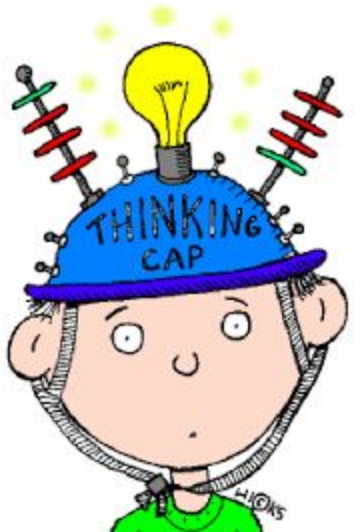
What is STEM?

STEM stands for Science, Technology, Engineering, and Math.



Why is STEM Important?

STEM is important because it was developed to prepare primary and secondary students for college in these fields, and in addition to subject-specific learning, STEM aims to foster inquiring little minds, logical reasoning and collaboration skills.



What do we do in STEM Class?

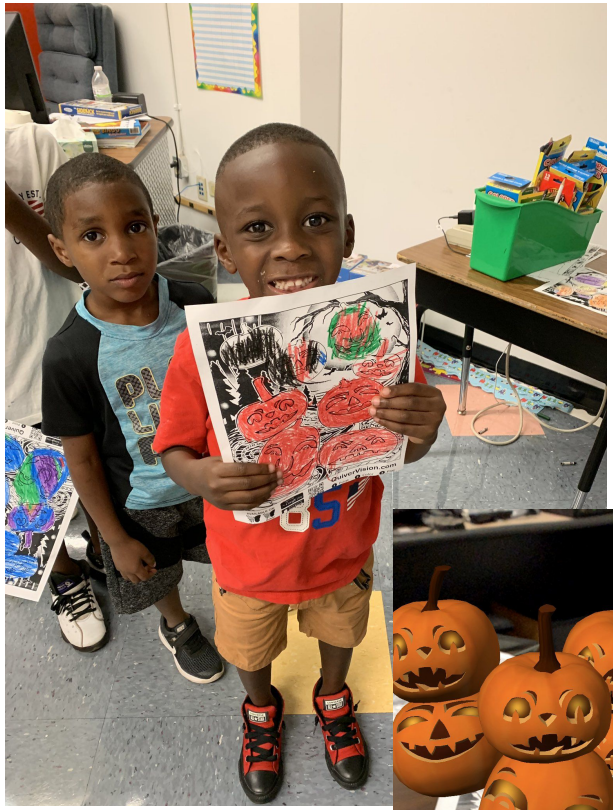


At Page Street Elementary, we like to collaborate with each grade level in what they are studying that particular week or month and come up with a plan using STEM related activities. For instance, we utilized QuiverVision in 5th grade when they were studying cells and each student was given a picture of an animal and plant cell then with the use of the QuiverVision application, students were able to see their cells in 3D format and was able to identify parts of the cell.

We have also learned about electricity and currents by using the Makey Makey kits. Students got to experience with these kits hands on experimentation using a laptop, current board and special connectors.

STEM Activity - QuiverVision





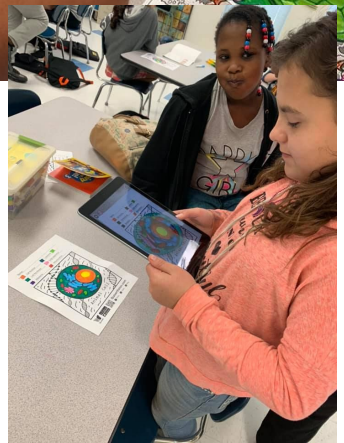


STEM Lab









STEM Activity - Hands on Engineering







What do we do in STEM Class continued..

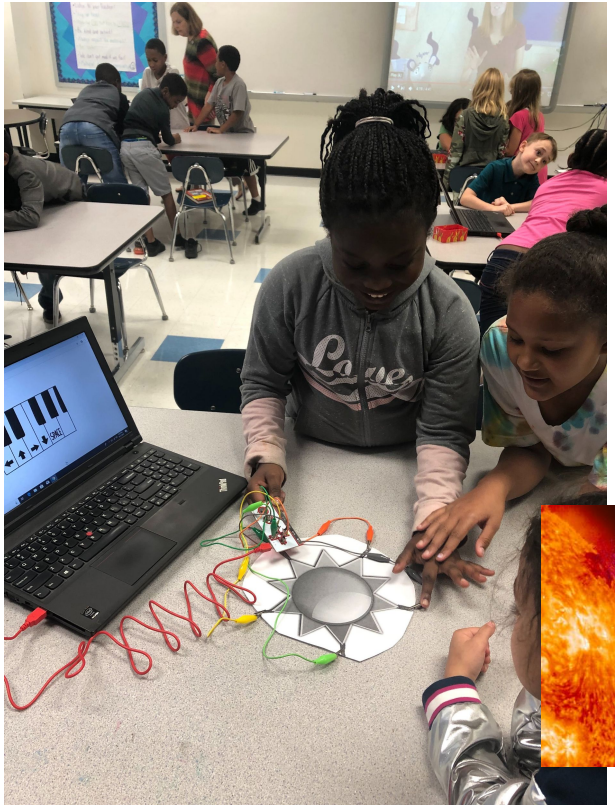


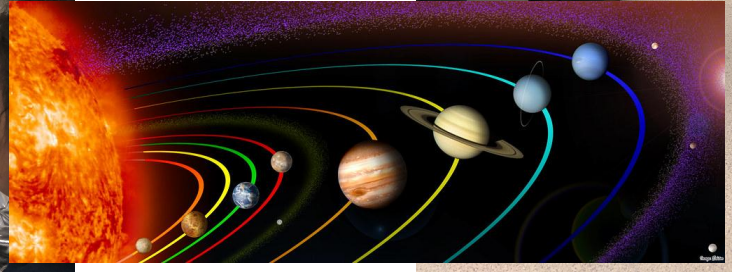
Third grades study of the solar system and learning about the Northern Lights (www.mysteryscience.com) enabled them to utilize these kits and have fun learning another way of how electricity moves about in our everyday life and universe.

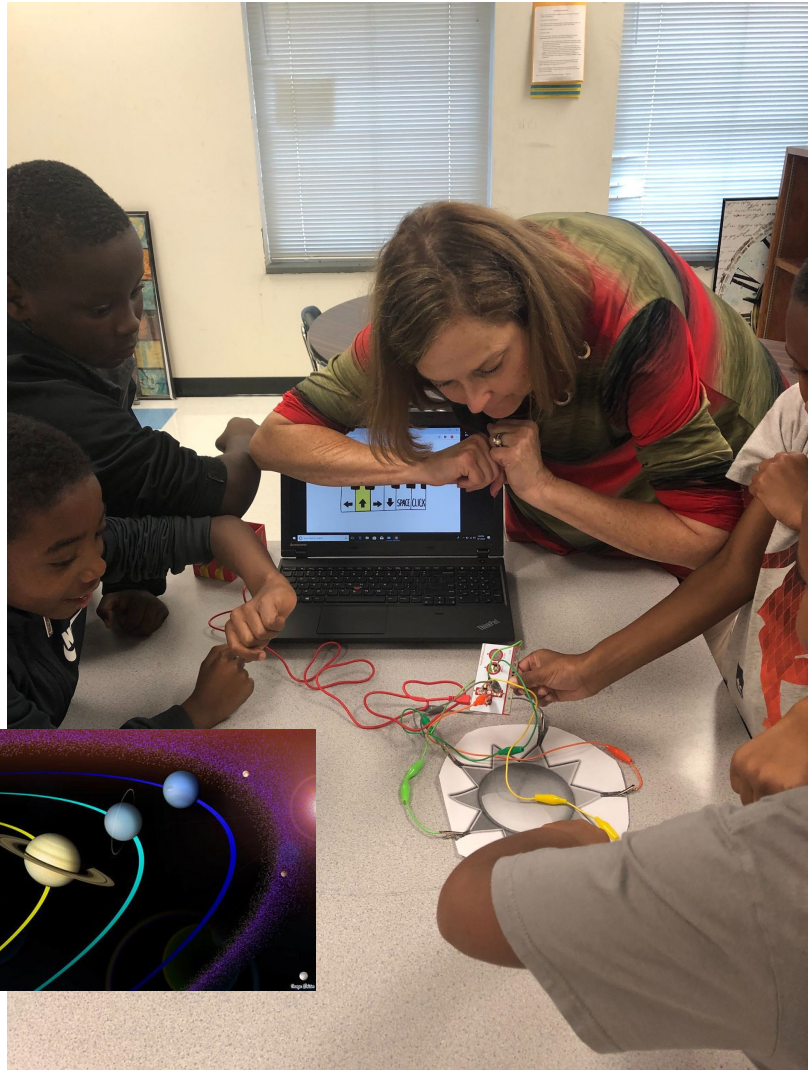
With the addition of Generation Genius and our STEMScopes, more hands on collaboration in science will be utilized.

More engineering, coding and art will be forthcoming as new and exciting ideas become available. This has been an awesome experience for these young minds.

Solar System STEM

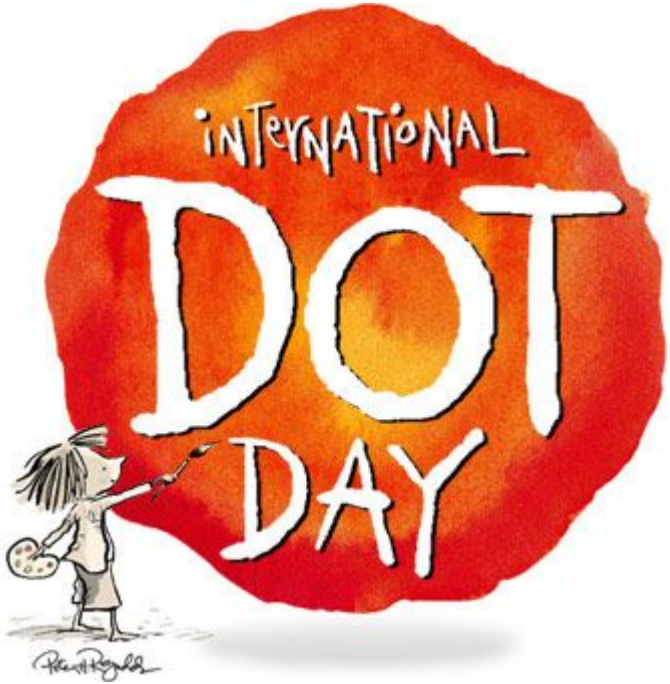






PSES Dot Celebration

Challenges us to "Make your mark and see where it takes you."









The Dot





In the STEM classes we decided to have our own “The Dot” weeks celebrating Art, Engineering and Technology as our STEM connections. The story “The Dot” was introduced to the students to connect the STEM learning, and centers were established for students to experience different ways of celebrating their creativity and following certain guidelines to create different forms of a “dot.”

1. Create a “ Dot or Not-a-Dot using watercolor paints like Vashti used in the story
2. Create a dot using a small paper plate, black and colored markers to make a repetitive pattern
3. Create a colorful dot to place on the “The Tree of Life”
4. Engineer a structure using the candy Dots and toothpicks
5. QuiverVision application turning their dot into 3D
6. Use of a coffee filter to make tie dyed dots





Page Street STEM Night 2019

Page Street Elementary

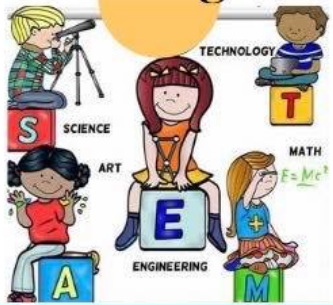


Family Night

SCIENCE TECHNOLOGY ENGINEERING ARTS MATHEMATICS

S T E M and Bingo for Books







Create

Fun

Thursday, November 21

5:30 pm

Family Night Community Connection - Troy Police





Page Street STEM Night Pictures







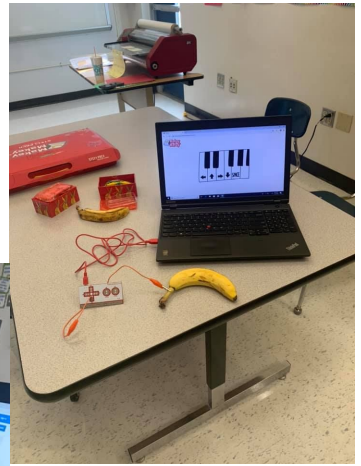




NEXT STEPS... After School Coding Club









NEXT STEPS...

December MCS Hour of Code 2019



Thank you!

Montgomery County Schools





#imaginemcs22