

Mathematics

To find our previous newsletters, click the link found here: [STEM East Newsletters](#)

Fraction Cards: Find 3 cards that have the same meaning.



http://gregtangmath.com/satisfraction?fbclid=IwAR0YNBpJ58pYELh0uYzn5YbSQ6b_8CsgYoLcLcmxJBHszuzTYQ7Vh8pMdw

Can You Open the Lock?

- 1 4 7 - One digit is correct, but is in the wrong spot.
- 1 8 9 - One digit is correct and in the right spot.
- 9 6 4 - Two digits are correct, but both are in the wrong spot.
- 5 2 3 - All digits are wrong.
- 2 8 6 - One digit is correct, but in the wrong spot.



What is the right combination?

That Art Thing

Have you participated in a paint event with That Art Thing? Maybe your masterpiece is here! We see so much math going on. What fraction of this whole picture are Pikachu?

Look at one individual painting. What fraction of the whole picture is it? How do you know?

What other math questions can you come up with to discuss with a family member?



Find them on Facebook and join in the fun!



Creating a Gallery Wall (the Final Chapter)



With all of your practice and training over the past few weeks it is finally time to create your own gallery wall. Using at least 6 different works of art of various shapes and sizes and your guardians' permission we want you to create a centred gallery wall. Pretend they all have a fancy frame around them like you might see in a museum.

Interested in other jobs in a museum? Check this out this document: <http://mag.rochester.edu/plugins/acrobat/teacher/MuseumCarrers.pdf>

For more information, contact **Bryan Ouellette Subject Coordinator for Math & Science 6-12**
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Science

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Light Painting

Have you ever seen light painting before? Try using a digital camera or cell phone to make your own light painting. What variables can you change that will cause your light painting to have a different look each time?

For more detailed instructions, check out:

https://www.exploratorium.edu/sites/default/files/tinkering/files/projectpdfs/Light_Painting.pdf



Repurpose Everyday Objects

We have all been spending lots of time at home lately. Maybe you have found some everyday items you could repurpose. Can you find something around your house that you could make into something totally new? Need some inspiration? Check out this video link: <https://youtu.be/0-dtICAo8lw>



Design Challenge

The Three Little Pigs

Using materials from your home, design a house that will stay up when you blow air at it using your full capacity. Were you successful? If not, how can you change your design to make it successful?

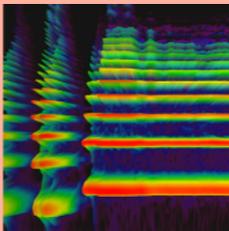
Considerations: Make sure to have parental permission for the use of items.



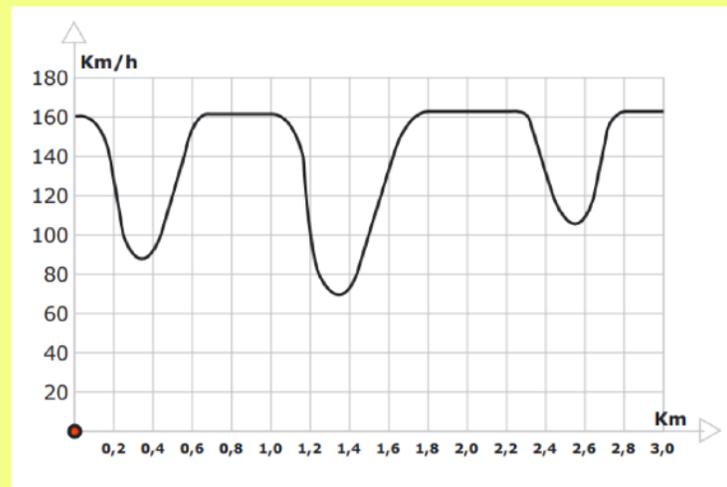
SPECTROGRAM

Do you want to see the sound of your own voice? If so, check out the Spectrogram app from Chrome Music Lab. Visit: <https://musiclab.chromeexperiments.com/Spectrogram/>

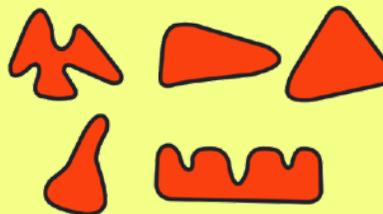
Try comparing your voice to other sounds. How are they alike? How do they differ?



WHICH RACE CIRCUIT ARE YOU ON?



This graph shows the speed of a race car at full capacity in its third lap.



Which track is the car on? Which direction is it going? Where is the start line? Defend your thinking to a family member.

Extension: What would the graph look like for the other tracks? <https://www.experiencingmaths.org/en/constructing/>

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