

Mrs. Heba's Math and Science Weekly Newsletter

Week of Sept. 9 - 15, 2019

Assalamu Alaykum Dear Parents,

First of all, I want to thank all of you who were able to come for the Open House, we really appreciate your support and your interest in your child's education.

For 5th-6th grade science, I encourage the students to log into Science A to Z at home for further reading. I will be sending home student login information the coming week inshallah. Please check your child's performance and monitor their progress throughout the school year.

This week, the School Principal, honored three of the students in the assembly for their academic achievement, respect, and act of kindness. We believe that every student is unique and we are looking forward to honor all the students throughout the year.

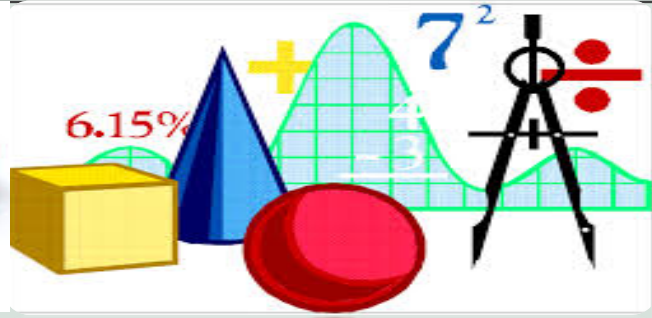
If you have any questions or concerns please feel free to email me at Heba_Hussein@dentistry.cu.edu.eg

Please scroll down to see what we will be learning this week.



Math

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5th Grade

We will be defining and classify the whole numbers as either prime or composite. We will also learn about square numbers, identify their properties and look at the relationship between the square numbers and square roots.

Prime vs. Composite Numbers

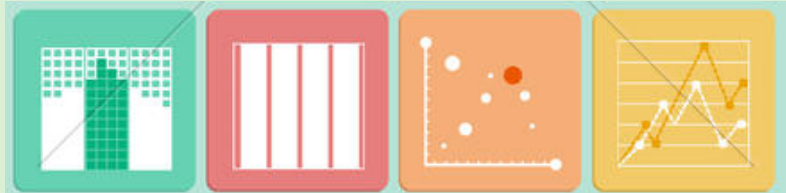
Prime
have only 2 factors:
(1 and itself)
2,3,5,7,11

Composite
have more than 2 factors
4,6,8,9,12,14

0 and 1 are neither

6th Grade

This week will continue working on box plots. We will work on creating, reading and interpreting broken line graphs and bar graphs. Finally, we will review all the graphs we have covered so far.



7th and 8th Grade

We will start our new unit on similarity and congruency. We will review various transformations (translations, reflections, rotations and dilations. We will construct dilations of points and objects. We will also construct reflections and rotations of various objects.

Translation

Describe with a vector

3 ← squares right
4 ← squares up

Rotation

To describe a rotation you need:

- the angle of rotation
- the direction
- the coordinates of the centre

Rotation of 90° clockwise, about centre (2,-1)

anti-clockwise clockwise

Centre of rotation

Transformations

Reflection

Describe by naming the line of symmetry

Reflection in the line $x = 2$.

Enlargement

Negative enlargements - HIGHER only!

Enlargement, scale factor 3, centre (0,7)

Enlargement of scale factor -2

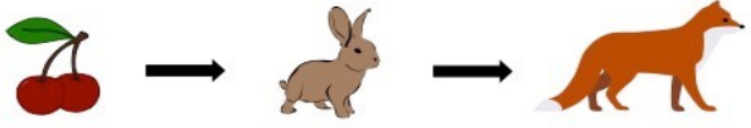
Always use TRACING PAPER for translation, reflection & rotation.

To describe an enlargement you need:

- the scale factor
- coordinates of the centre

Science

Food Chain 1
(fox = 2^o consumer)

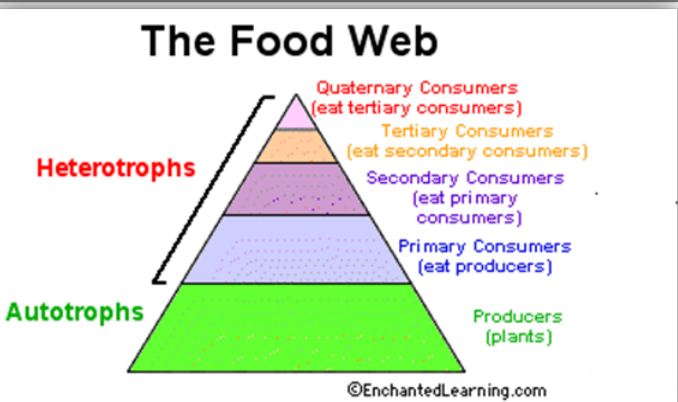
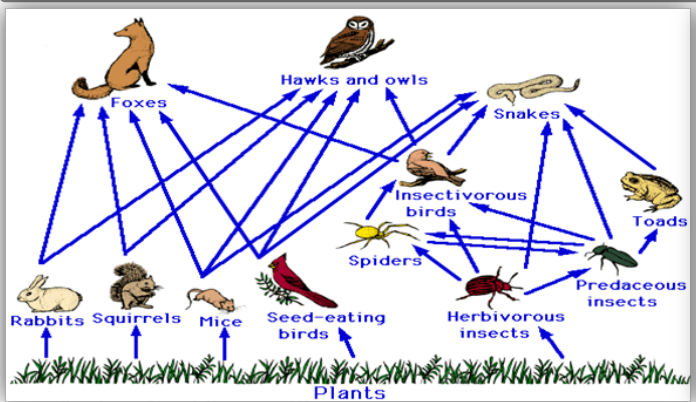


Food Chain 2
(fox = 3^o consumer)



5th and 6th Grade

This week we will continue working on our unit Food Chains and Food Webs. We will look at the roles organisms play within an ecosystem, whether as producers, consumers, or decomposers. We will also learn about the importance of predator-prey relationships. We will finish our chapter on Food Chains and Food Webs and have a review and have a **TEST on this chapter on Thursday, Sept. 13.**



7th and 8th Grade

This week we will talk about photosynthesis and respiration and model the process of diffusion through an experiment. We will also learn about the process of cell division how tissues make up organs. This week students will be presenting their cell models. The **Cell Projects are due Thursday, Sept. 13.**

Cell Division

Animal Cell

Plant Cell