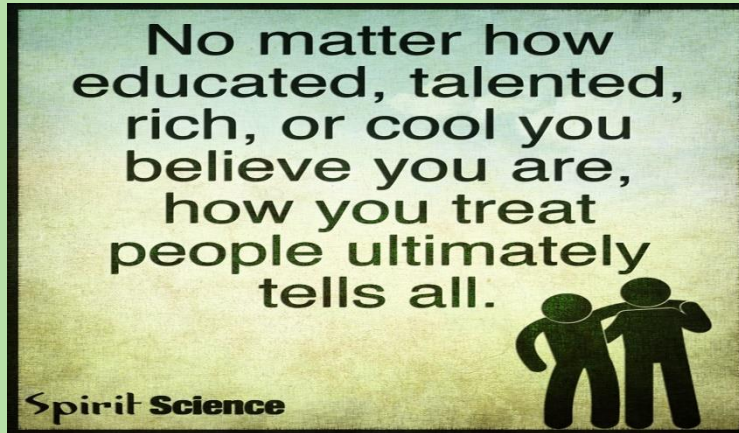


# Mrs. Edina's Math and Science Weekly Newsletter

Week of Sept. 10 - 14, 2018



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.

Our engrade system is finally set up and I will be sending home student login information this week inshallah. Please check your child's grades and monitor their progress throughout the school year.

7<sup>th</sup> and 8<sup>th</sup> grade students are assigned to make an animal or plant cell model. It's a simple project where students can use materials of their choice. I encourage them to be creative and use any materials they might already have in the house and not spend too much on unnecessary supplies. Below are photos of a few sample projects so the students can have an idea of what they are expected to do.

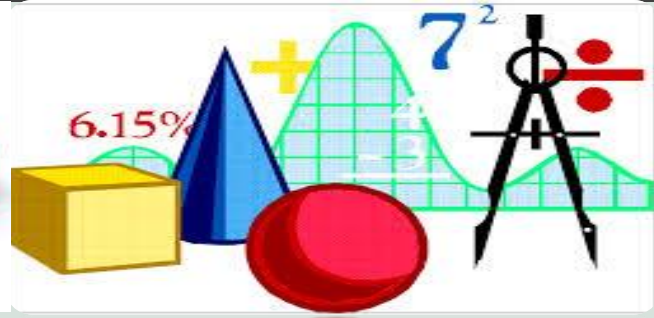
If you have any questions or concerns please feel free to call me on my cell phone or email me at [mrs.cubic@icciacademy.com](mailto:mrs.cubic@icciacademy.com).

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**

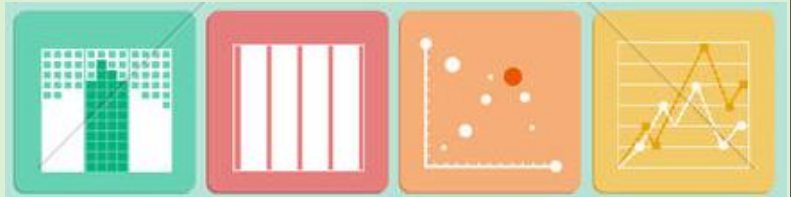
have more than 2 factors

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

Centre

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

Negative enlargements - HIGHER only!

Enlargement of scale factor -2

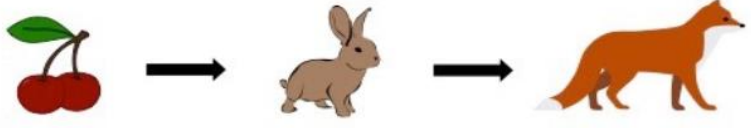
Always use TRACING PAPER for translation, reflection & rotation.

To describe an enlargement you need:

- the scale factor
- coordinates of the centre

# Science

**Food Chain 1**  
(fox = 2<sup>o</sup> consumer)

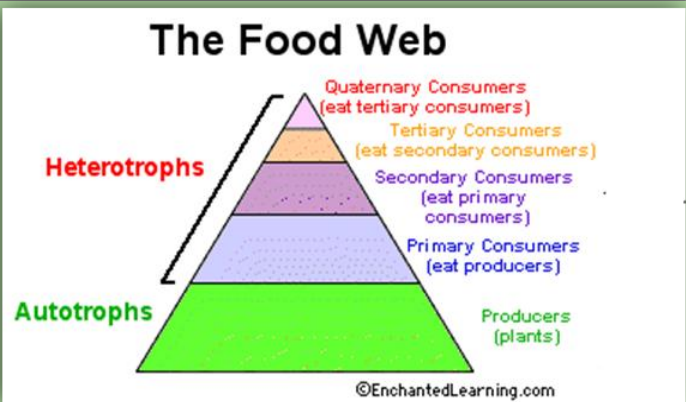
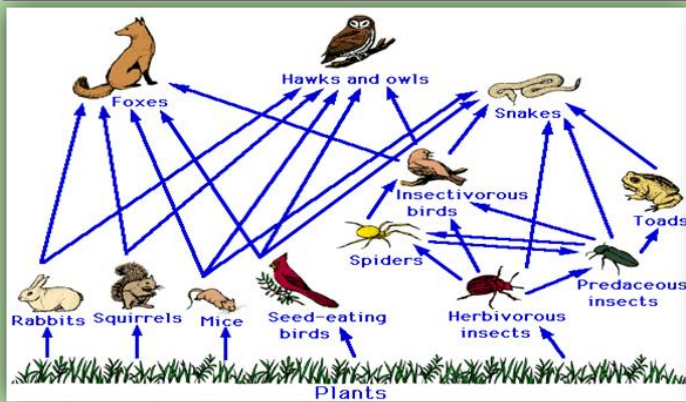


**Food Chain 2**  
(fox = 3<sup>o</sup> consumer)



## 5<sup>th</sup> and 6<sup>th</sup> 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.**



## 7<sup>th</sup> and 8<sup>th</sup> 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

