

Mrs. Edina's Math and Science Weekly Newsletter

Week of Nov. 19 - 30, 2018



Assalamu Alaykum Dear Parents,

We have a short week ahead of us. There will be NO SCHOOL Wednesday, Nov. 21 to Friday Nov. 23 in observance of Thanksgiving. I hope you enjoy this free time with your family and friends.

Our school is holding a fundraising dinner sometime in December, inshallah. 5th and 6th grade students will be performing a short play that night. I gave them the play script with their assigned roles. Please make sure your child practices at home and memorizes his/her part.

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.

Scroll down to see what we will be doing in the next two weeks.



5th Grade

Over the next two weeks, we will finish up our geometry unit. We will explore side and angle relationship in regular tessellations. We will practice finding angle measures in polygons and develop an approach for finding the angle measurement sum for any polygon. We will have a **TEST on this unit Thursday, Nov. 29.**

6th Grade

This week we will continue working on our geometry unit. We will plot ordered number pairs, apply properties of polygons, and explore the relationship between endpoints and midpoints. We will also work on transformations where we will use a figure to produce another one while maintaining the same size and shape of the original one. We will finish unit 5 and have a **TEST Thursday, Nov. 29.**

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

Reflection

Describe by naming the line of symmetry

Reflection in the line $x = 2$.

Transformations

Centre

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

Enlargement

Negative enlargements - HIGHER only!

Enlargement of scale factor -2

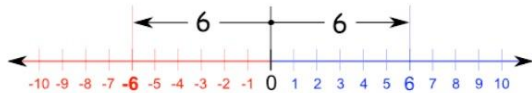
To describe an enlargement you need:

- the scale factor
- coordinates of the centre

Always use TRACING PAPER for translation, reflection & rotation.

Absolute Value

Absolute Value means how far a number is from zero:



"6" is 6 away from zero,
and "-6" is also 6 away from zero.

So the absolute value of 6 is 6,
and the absolute value of -6 is also 6

7th Grade

Over the next two weeks we will work on our new chapter, Integers and Rational Numbers. We will start with graphing integers on a number line, and we will also compare and order integers and determine absolute value. We will practice adding, subtracting, multiplying and dividing integers.

8th Grade

Over the next two weeks, we will work on functions. We will be graphing linear and non-linear functions with and without the calculator. We will explore the different aspects of a linear function and how each piece affects the function as a whole. We will also explore increasing and decreasing functions, and identify qualitative data: minimum and maximum.

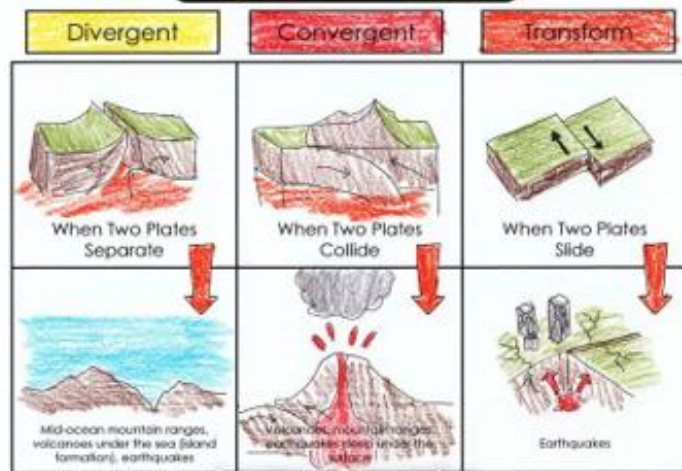


5th and 6th Grade

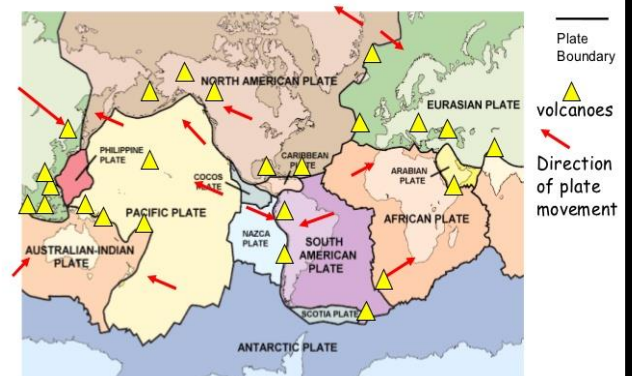
We will have a **Test Mon. Nov. 19** on Inside Living Things. After that we will start our next unit, Earth and Space and begin with our first chapter, Outside the Solar System. We will learn about the deep space and people have been exploring space. We will explore the outside of the solar system, black holes and also learn about the star life cycle.



Plate Boundaries



Tectonic Map of the World



Is there a pattern between the volcanoes and the plate boundaries?

7th and 8th Grade

This week we will talk learn about tectonic plates, and how they help explain the drifting continents. We will learn about different types of plate boundaries and how they cause the movement of tectonic plates. We will learn how scientists use the sound to make a map of the ocean floor. We will also learn how Earth is like a magnet, and how the movement of Earth's plates helps produce energy.