



ILM ACADEMY

October 2017

## Math – Sr. Anam

**6<sup>th</sup> Grade:** Students have successfully completed Chapter 1 and have mastered the concepts of LCM, GCF, Rates, Ratios, and Unit Rates. They are now working on decimals, fractions, and percentages. Next few lessons will focus on how to find part of a number.

**7<sup>th</sup> Grade:** Students have successfully completed Chapter 1 and have mastered the concepts Rates, Unit Rates, Ratios, Proportions, and Slope. They have also been tested on Percent Proportion and will further apply those concepts to real-life situations like taxes and discounts.

**8<sup>th</sup> Grade:** Students have successfully completed Chapters 1 & 2 as a review of expressions and integers. They are also wrapping up Chapter 3 with Rational Numbers. Next lessons will expand more on the Distributive Property and Simplifying Algebraic Expressions.

## Social Studies – Sr. Nida

**6<sup>th</sup> Grade:** This year students will learn about World Regions. This month we learned about human settlement patterns and world cultures. We also learned about the history and geography of Mexico. Next month students will learn about Central America and the Caribbean Islands.

**7<sup>th</sup> Grade:** This month students learned about the tools historians use to study history. We learned about the themes of geography, how maps are made, and the difference between archeology and anthropology. Students also learned how historians use artifacts to answer questions about the past. Next month we will learn about the expansion of the Islamic Empire.

**8<sup>th</sup> Grade:** This year students will learn United States History. This month we learned about the first British colonies in the United States. Students learned about the first forms of self-government in the U.S., the colonies' economic activities, and why the colonies' population grew so rapidly. Next month we will learn about the relationship between the colonists and England and the conflicts that arose.

## ELA/Reading – Sr. Fatimah

**Sixth Grade:** This month we will be continuing our writing process. Our writing process includes; shaping sentences, building paragraphs, and organizing ideas in a paragraph. In addition, we will explore our Big Question for reading, "Is Conflict Always Bad?" through informational texts.

**Seventh Grade:** We will be continuing our writing process. Our writing process includes; giving enough support in paragraphs, unifying paragraphs, and organizing ideas. In addition, we will be exploring our Big Question for reading, "What Should We Learn?" through informational texts.

**Eight Grade:** This month we will be continuing our writing process. Our writing process includes; writing effective sentences, combining related ideas, sentence variation, and unifying paragraphs. In addition, we will be exploring our Big Question for reading, "Can All Conflicts Be Resolved?" through informational texts.

## Science with Sr. Neda

### 6<sup>th</sup> grade Labs

The sixth graders started out the year studying erosion and weathering and we did a glacier erosion lab to reinforce the concept. We used blocks of modeling clay, ice and sand to demonstrate this process. Towards the end of August, we created cereal box viewers to view the eclipse along with STREAM Power Point presentations which gave the students a chance to research and learn about their Islamic responsibilities during an eclipse. The students had a blast identifying different rocks and minerals using their background knowledge and ID charts.

### Middle School Science

Alhumdulillah, we are nearing the end of the first quarter. The students have amazed me with their progression of critical thinking and ability to expand their subject knowledge to real life concepts through STEM labs. MashaAllah, the students are well into the process of detailing the steps of the scientific method in their Science Fair Project. I will continue to guide them through the steps and check their logbooks. I am looking forward to doing more STEM based projects and labs for next quarter!

### Reminders from your science teachers!

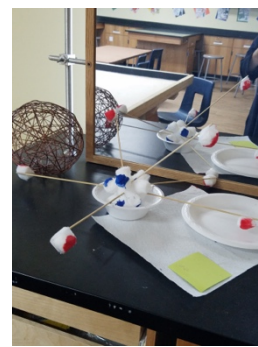
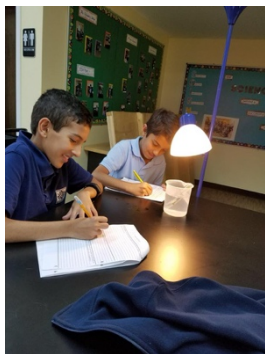
- Continue to check RENWEB daily for upcoming lessons, assignments/due dates, and test and quiz dates
- POST your Science Fair Project Deadline sheet somewhere where you will see it every day!
- Stay on top of your assignments and turn them in on time

### What we have covered so far in MS Science...

**6<sup>th</sup> Grade:** Introducing the Earth, Rocks and Minerals and Plate tectonics. Next quarter's focus will be Volcanoes, Earthquakes and Weathering

**7<sup>th</sup> Grade:** Introduction to living things, Cells and Cell Processes. Next Quarter's focus will be Genetics

**8<sup>th</sup> Grade:** Introduction to Matter, Types of matter, periodic table. Next Quarter's focus is Atoms, chemical reactions, and solutions.



### 8<sup>th</sup> Grade Labs

The eighth graders began the year learning about density. In coordination, they did a density lab where they were asked to determine the density and volume of irregular shaped objects such as a pencil, crayon and piece of clay. As we moved on to the concept of viscosity the students completed a fluids lab with water, vegetable oil, and hand soap. In the first part of the lab they timed how long it took for a ball of clay to reach the bottom of the liquid. In the second part they calculated viscosity of each and checked their hypothesis with their calculated result! In our introduction to atoms chapter, the students learned about different models of atoms. We then did a STEM lab where students were given materials to create an atom model of an element of their choice. Masha'Allah their creativity showed in their projects!

### 7<sup>th</sup> Grade Labs

The seventh graders started out the year working on taxonomy and how to classify everyday items into specific groups. To reinforce this lesson we did a Jelly Bean lab in which students were given a classification chart and a random assortment of jelly beans to classify and correctly ID their flavors! Moving forward, the students created animal or plant cells models using materials of their choice! It was interesting to see everyone's creativity come to life! With our photosynthesis lab the students were given the materials but limited procedures. They had to use their background knowledge to figure out how to calculate the rate of photosynthesis from an elodea leaf!

## Quran with Sr. Asma

A new level in middle school with more focus and challenges in tajweed, tilawah and memorization. Currently we are in Surat-ul-Mujaadilah.



## TECHNOLOGY WITH SR. SAIMA

Alhamdulillah, we have started off with an amazing year. Students have begun typing lessons to help improve on speed and accuracy. We have also started working on our basic HTML coding lessons and on our first project of the year. If you have any questions or concerns, please feel free to contact me.

Assalamu alaykum wa rahmatullahi wa barakatuhu,

Alhamdulillah! All praise to Allah (swt) who enabled us to complete the second month of School successfully. Alhamdulillah, we were able learn about Prophets and Messengers, Different prophets mentioned in Quran along with learning about Hajj, its steps and importance and also doing project on the same. We also had some Eid activities done by students with a lot of enthusiasm. Alhamdulillah

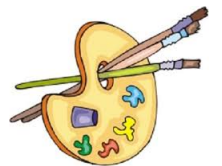
For the coming month in shaa Allah we plan to do lot more with students learning about Prophet Dawood and Sulayman (as) and engaging them in Quizzes, Activities and Projects on different prophets, etc. In sha Allah

We pray that Allah swt puts Barakah in our time and enable us to practice all that we preach. Ameen

Islamic Studies  
With Sr. Asma

Asalamu Alaikum Parents,

I pray that this reaches you in great health and imaan. I would like to update you about Art class. The students are learning great artistic techniques, problem solving skills, and are showing great creativity. Along with these activities they are participating in all school events like Hajj. I would also like to inform you that the Fulton Water Conservation Competition will begin shortly and the students are preparing for it. In physical education, we will start a new activity known as a pacer test. Students will run laps, and each lap is timed. Students will not be assessed on the number of laps they run but they will be assessed on the effort they portray.  
JAK



ART/P.E.