

# February 2020 Newsletter



## Third Grade!

*Alhumdulillah, February has been a productive and interesting month! We learned about the branches of government, understood how particles move in matter and made a design for the bus interior as part of our STEAM Grand Challenge!*

### Math

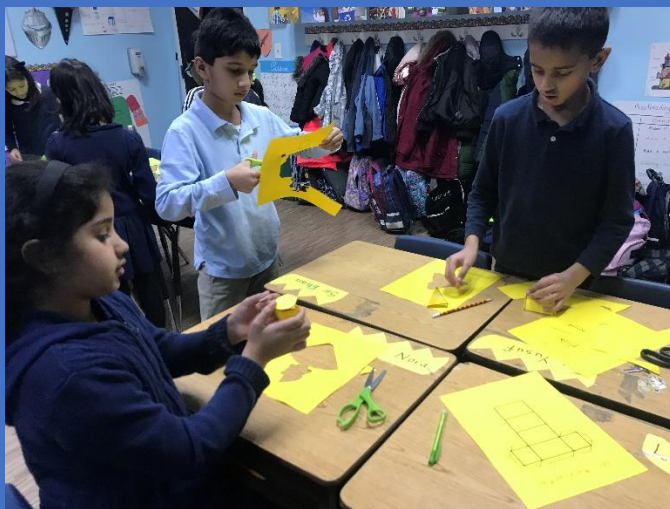
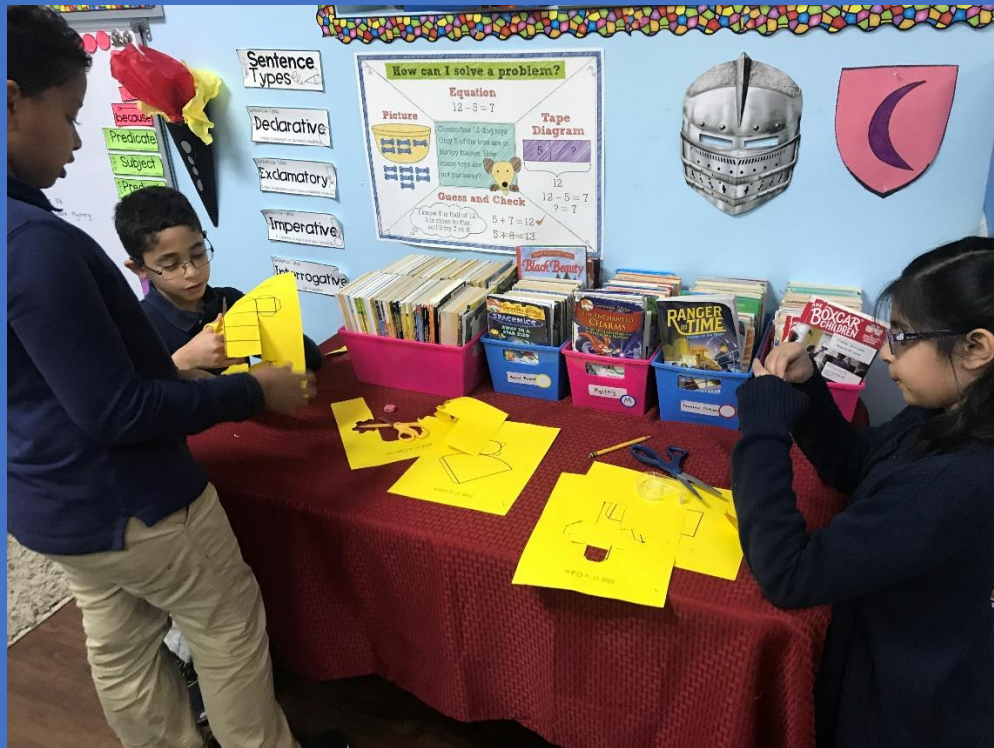
We completed our unit on measurement by studying elapsed time. We used time number lines to calculate how much time had passed between the beginning and end of an event.

We are well into our next chapter on geometry! Our class has become experts on identifying polygons and can explain that a polygon is any closed figure with straight lines. We learned about right, acute and obtuse angles and classified triangles based on the types of angles we found in them. We also learned about lines that are parallel, perpendicular and intersecting.

It was fun to learn about the solid shapes that can be formed from nets! We worked in groups to cut and shape the solids and then identified the number of faces, edges and vertices for each shape.

### *Making 3D Solids Out Of Nets!*





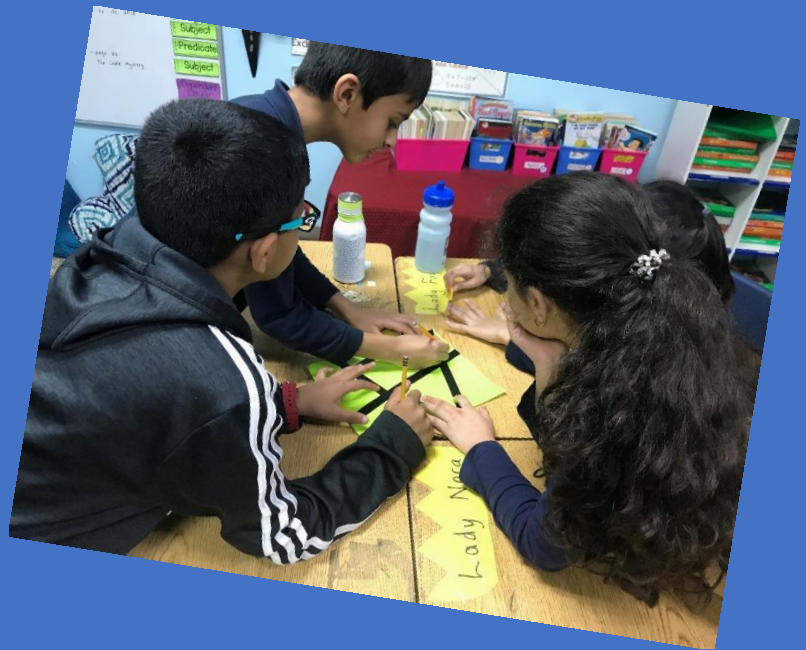
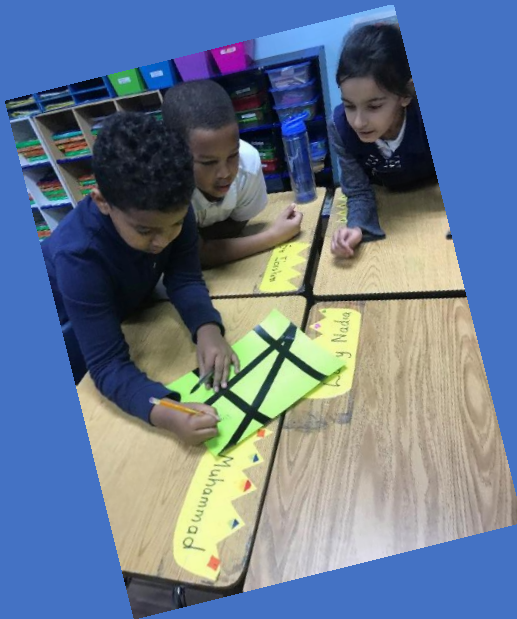
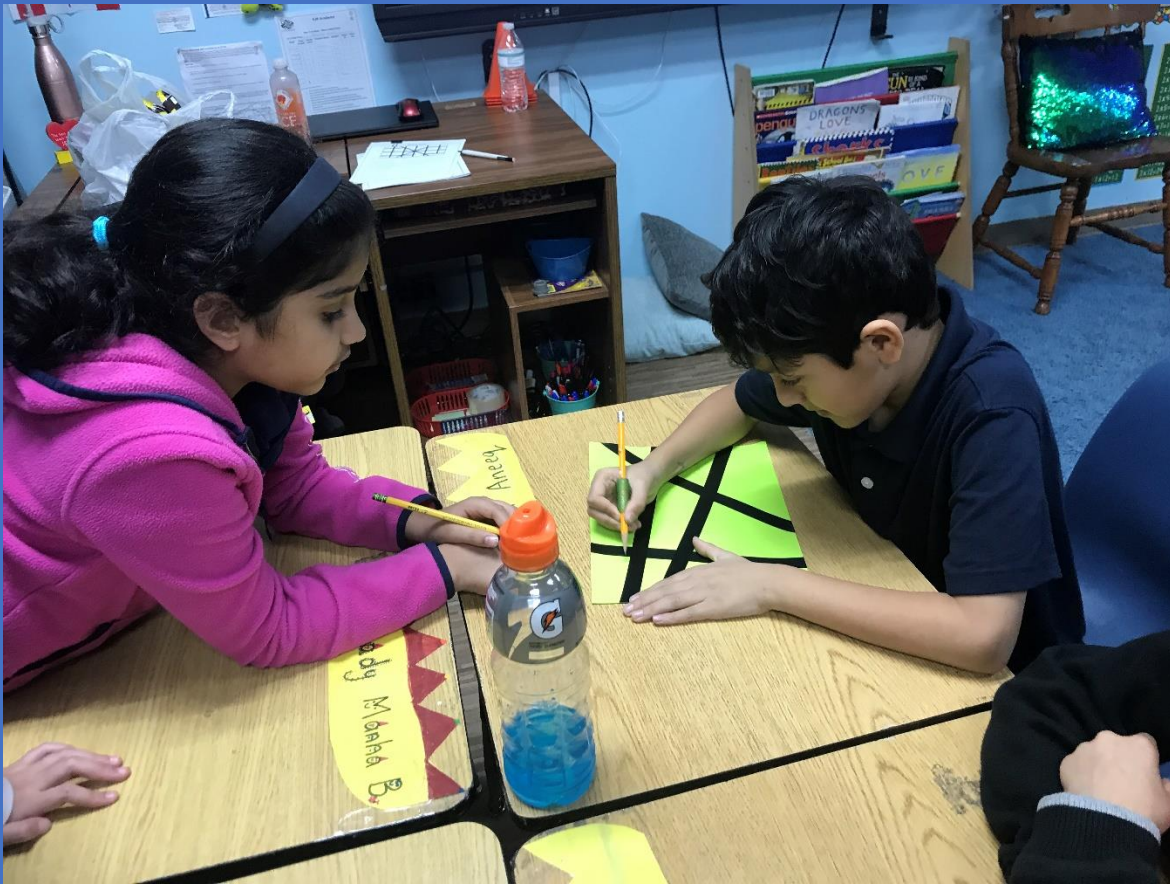
## Science

We have been studying about matter and the ways we can measure it! We learned about the difference between mass and volume and understood why objects sink and float. Our class enjoyed learning about the three states of matter and playing games to show how much energy the particles have in each state!

We have started exploring how matter can change from one state to another. Did you know that water is the only substance that EXPANDS when it freezes? We have been discussing the concepts of freezing, melting, evaporation and condensation. We really enjoyed our activity about mixtures and solutions, where we used powder and water to create a delicious solution!



*Identifying Acute, Obtuse and Right Angles!*



### *Quran (Sister Asma)*

The third grade students have completed Suratu-Takwir. Alhamdulillah and we celebrated this completion and had a party. We began Surat-Abasa. We use computers for practicing and doing activities for this Surah.

### *Islamic Studies (Dr. Misbah)*

Alhamdulillah! we had another month of interesting and interactive Islamic Studies lessons! First, we spent time understanding the theme of this month "Justice" and how we can apply it in our daily lives. As the slogan for the entire year is "DON'T JUST KNOW IT BUT SHOW IT".

We then started with Migration to Abyssinia and TV, Music, Games and Internet. We analyzed each topic with students through discussions and lessons that we can learn from the same and how we can implement it in our daily lives. We are also learning and correcting salah with students every Tuesday wherein we teach them about salah starting from the posture, niyyah and what we recite during salah. We also completed our fourth target from the Essential Duaas and Surahs book which is Surah Lahab wherein the students memorized the surah along with its meaning and virtue in class. Alhamdulillah!

We have been having lots of fun in our interactive Islamic Studies classes using a variety of methods. Our students enacted the lesson on "Migration to Abyssinia" as part of in class activity and came up with a wonderful performance on the same. MashaAllah!!

### *STEAM Grand Challenge*

We continued working towards our Grand Challenge for this year: Environmental Sustainability. We analyzed the results of the bus survey and concluded that the community felt the bus would be best repurposed as.... A LIBRARY!!! We worked with Sister Heba to create three-dimensional models of the bus interior that reflected our design ideas. After our class made four designs, we voted on our favourite design. This design went out on display for the school to vote for their favourite!





### Arabic (Sister Jihan)

Alhamdulillah, we finished unit 6. Students have learned new vocabs, names of some fruits and vegetables. They have learned the names of the places they buy food from (grocery store, farmer market, garden, restaurant, bakery etc.). They learned how to order items from the market or a grocery shop using the expressions (welcome, what do you want to order (تفضل ماذا تريد؟) and the expression (would you please لو سمحت ...). They have learned the present tense with first person (I, we), the third person (he & she) and second person (you). They also know how to make a simple sentence using these pronouns with verbs. They can say simple sentences and read short paragraphs in their textbook as well. Alhamdulillah all students have improved and showed interest in learning Arabic. They enjoy learning through the learning activities. They also enjoy practicing on Duolingo by reading, writing and listening.

### Art (Sr. Heba)

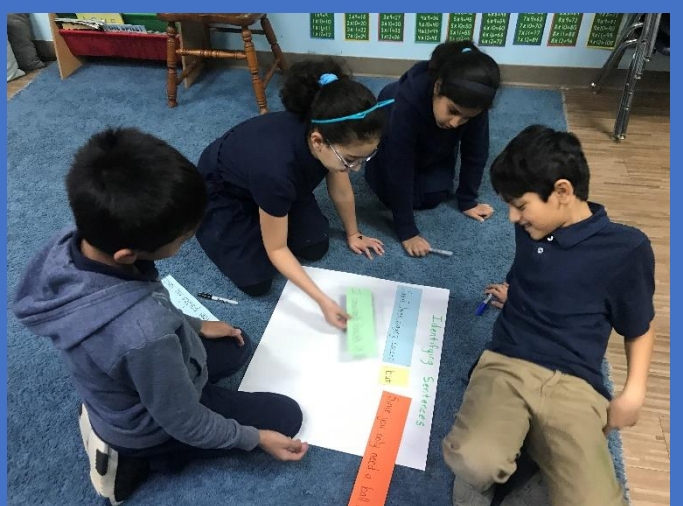
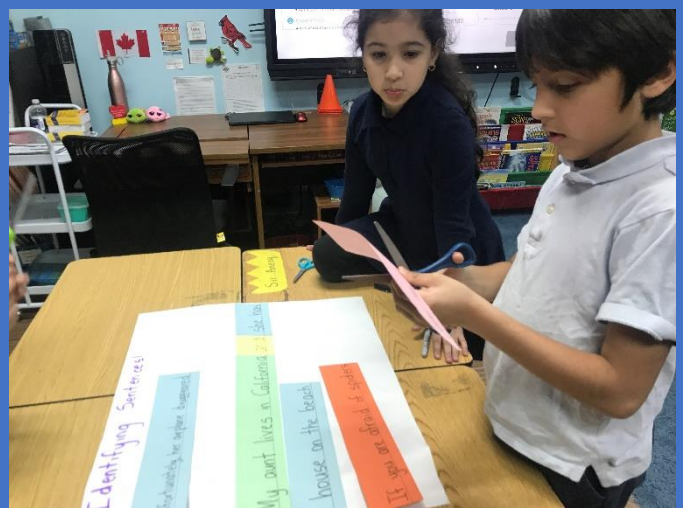
Our young engineers worked so hard for the last four weeks trying to make a prototype for our steam bus. Each grade 1st through 4th grade created an internal design for the bus using recyclable material (cardboard, milk cartons, and playdough) to make shelves, chairs, and sofas. It was a challenging project that gave our students the chance to be part of our engineering day. As we all know teamwork is one of the most fundamental foundations of Ilm Academy and this endeavor only helped make it stronger.



## ELA

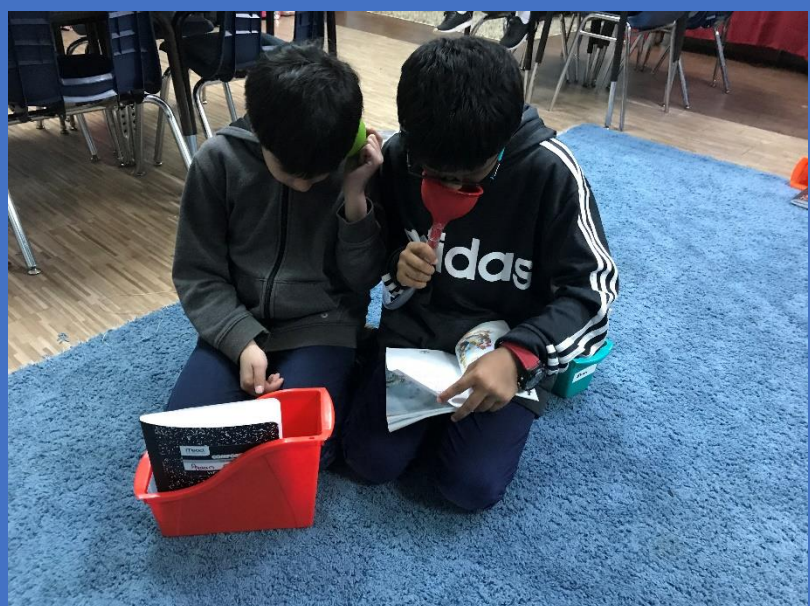
We have enjoyed exploring the genres of fairytale and realistic fiction. We have understood how to describe the narrator's point of view, or what they think/feel about a specific topic. Our class has practiced how to use context clues to figure out the meaning of homophones. We are learning to distinguish between facts and opinions.

In grammar, we tackled the challenging concept of types of sentences!! We learned how to identify independent and dependent clauses, as well as simple sentences. Then, we combined that knowledge to identify compound and complex sentences. We learned that the acronym FANBOYS can be used to name the 7 coordinating conjunctions. Finally, we put all our knowledge together to work on a group project breaking down the parts of simple, compound and complex sentences!

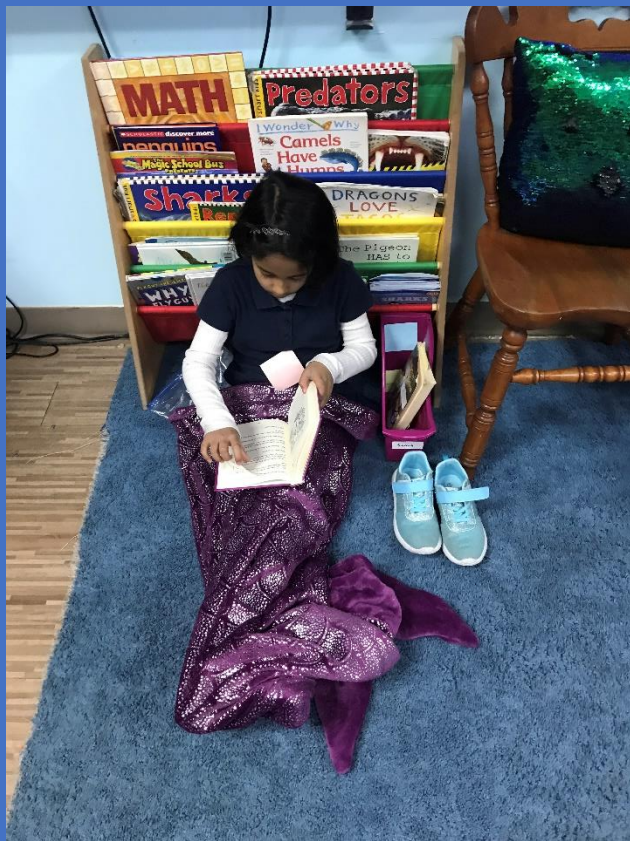




*Our Daily 5 Reading Continues!*









### *Social Studies*

We have been working hard to understand the organization of the United States Government. Our class created two projects to visually demonstrate the three branches of government and the jobs of each branch. We understood that the government is divided into branches to ensure that the power is balanced. We learned that the Capitol building is where legislators meet to discuss, suggest and vote on new laws. We are so excited to visit the Georgia State Capitol building in March, Inshallah!

We also explored the ways that governments around the world are different from the US government. We learned that all North America is based on a government system with three branches. It was fascinating to learn about how some countries still have a monarch, but they now share the power with some elected representatives.

### *Enjoying Lunch Together!*

