

Hello dear parents

Forth grade's first Newsletter

What we have done in our first unit of inquiry;

"HOW THE WORLD WORKS"

Oct and Sep 2020

Central idea

There is a connection between the components of natural and human-made systems.

Lines of inquiry

1. The characteristics of the solar system and the planets.
2. Understanding human-made systems
3. Ways the components of a system are connected.

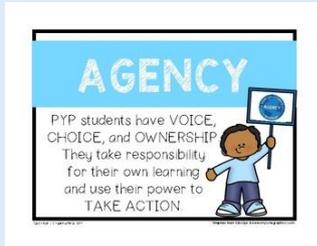


In this unit of inquiry, the students were tuned into the Unit of Inquiry by being introduced to different natural and social systems, and the components of a system (it's laws, parts or members, responsibility of each part, etc.)

And later they were asked to find and sort out information about natural and human-made systems. They went further and learned about the form and

connections inside a system.

They created their new knowledge and discussed their new findings with the class, they learned how to be more reflective and increase their thinking skills by thinking critically, at last they made their own conclusions and took action by choosing a social system and presenting it to the online class in different ways. They started working as groups and cooperating.



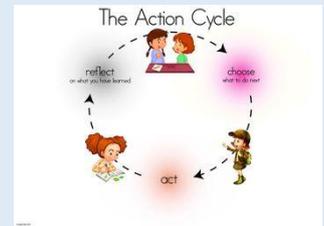
STUDENT'S AGENCY

They were given the choice to choose a human-made system and work on it.

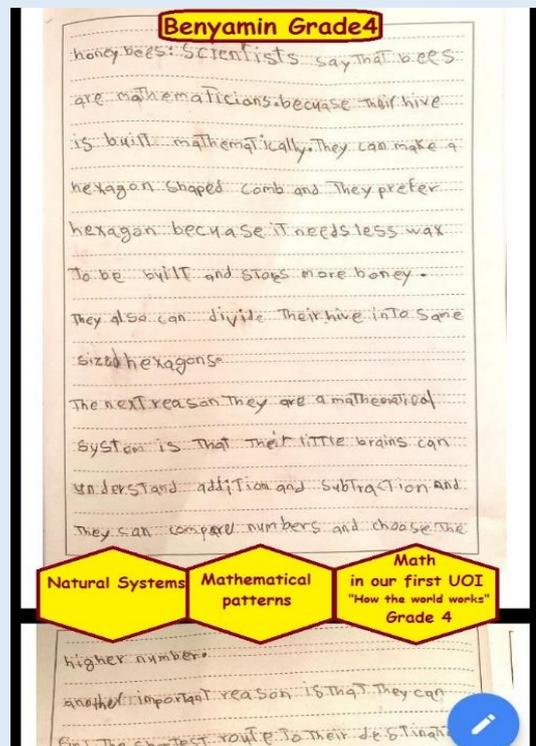
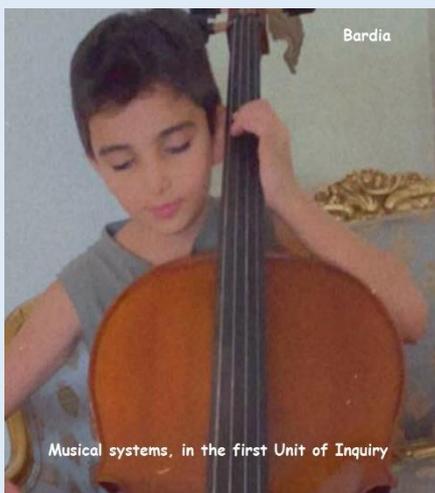
They searched about the form of their chosen system and the connections between different parts (components) of it, they gathered and sorted out information and then discussed it with the others and came to conclusions and finally took action in representing the connections among the components of their system in online class. (Through these activities they approached to the IB Skills and covered three lines of inquiry, and their STUDENT'S AGENCY was applied and succeeded)

Through this procedure the students improved their IB Skills; Research skills and Social skills.

THEY ALSO TOOK ACTION BY SHOWING THEIR RESPONSIBILITIES AT HOME OR ANY OTHER SOCIAL SYSTEM, BY TAKING DUTIES AND RESPECTING SYSTEM'S LAWS IN DIFFERENT SYSTEMS' COMPONENTS.



In this unit of inquiry, the students found many other systems with the connection among their components. They searched about Natural, physical, Artistic, Mathematical, Musical and other kind of systems.



Natural Systems Mathematical patterns Math in our first UOI "How the world works" Grade 4

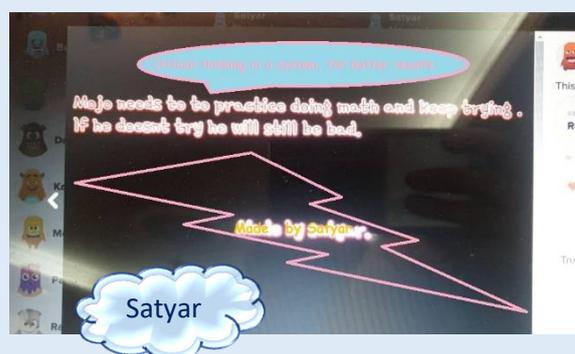
IB Learner's profile

The students became more caring when their classmates were sad and they tried hard to make them happy, or when somebody had problems in the lessons ,or researching ,they helped each other a lot.

We all became more knowledgeable by listening to our friends researches about our UOI topics.

We tried different ways of inquiries to be better inquirers and find out new things.

We developed our thinking abilities by thinking deeply to the systems and their components; and how can a system work better and what are the relations between systems' parts, so we became thinkers more than before.



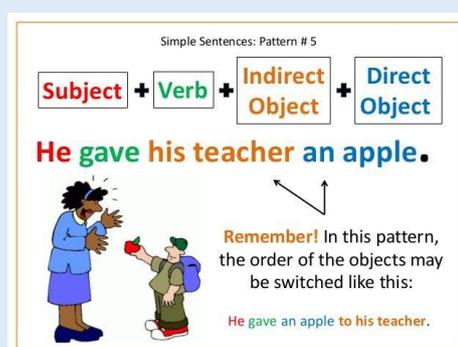
L.A

In L.A; the students learned about sentence structure and parts of speech. They learned more adjectives, adverbs, different kind of verbs, pronouns, subjects, predicates and objects. They were asked to express themselves by writing their own imaginary and real stories, using adjectives and adverbs, etc. They also developed their reading and listening skills with the L.A book tasks and stories, they took turn sharing their prior knowledge about the books' topics in the online classes. They developed their reading comprehension skills by Tumble -Book library and other useful educational tasks and story books from different resources. Also by listening to each other's diaries and daily routines.

Relations between L.A and our first UOI

The students had many related literary subjects to their first unit of inquiry, some of these related subjects were gathered in a power point;

An example of literary systems is the sentence structure. It has specific pattern, and there is a connection among the sentence structure's components.



Math

In math the students have reviewed addition, subtraction, multiplication and Division so far, and have started to learn various problem solving strategies.

Relations between Math and our first UOI

They had a lot of math related subjects with the first unit of inquiry; like following patterns and place value, some of these were gathered in a power point. We have a great variety of mathematical systems. (like number sense system or 4 math operation systems, etc.)

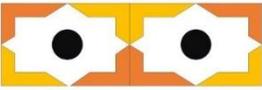
Mathematical systems and Patterns can be seen everywhere.



What is a pattern

- A pattern is something that you draw or see that does not end and it goes in the same pattern. I will give you an example on the next page.

From Radin
October 2020

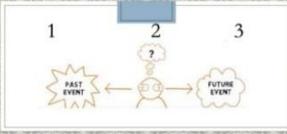


Is there any other model of math except normal math?

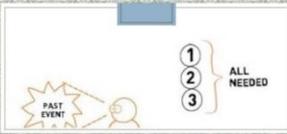
- And money is a math to like for an example money has numbers and numbers are math so that explains that how money is math to.

Mohammad Hosein
Thinking skills
Research

SOMETHING IMPORTANT



1 2 3



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Parsa's Critical Thinking problem

We have 3 enemies 1. is corona virus 2. is aliens 3. is zombies. Corona is so smart and contagious so you can't see it and if it goes in your body you may die there is no cure for it. The aliens might be smarter than you, the zombies are so slow and they can be killed by a gun. Which one do you choose to

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