

NEWSLETTER FOR THE THIRD UNIT OF INQUIRY

DECEMBER 2020

GRADE 4

WHO WE ARE?

Central idea:

There are interconnected and interdependent rights and responsibilities in human communities.

Lines of inquiry:

- 1) **The role of different body systems and their functions.**
- 2) **The human's responsibilities and their connections.**
- 3) **Why the interconnectedness of human's responsibilities is important?**

In this unit of inquiry, the students studied different body parts and their function. They gathered information about each part and its responsibilities, and the way they are connected to other parts of the human body. They found out that how all the body parts are connected to each other and if one part doesn't work well, all the human body system will face serious problems. They became to know that what reasons can cause unhealthy situation for our body, and how can we keep ourselves healthy.

Then the students studied different parts and organs of the community, and they studied a smaller community like their school. They went further and searched about family as a community, and asked their parents about the social community that they work or belong to, and shared their gathered information with the others. Then they researched a lot about other communities and their connectedness, and they understood that if one single part of a community doesn't work well, all the community will be effected.

Finally, the students have gained a good knowledge about the different parts of the human body and a social community, and their functions, through researches and presentations. They learned that all the parts are related to each other, and if we want to have a healthy body or perfect community, each part should do its own duties in a proper way (including each student, self-management). They participated in different discussions in the online classes, asking that what would happen if one part doesn't take its responsibility, and what consequences will be caused? They also developed their risk taking skill, by suggesting new instruction for the improvement of the school, and reasonable habits for themselves to have a healthy body, also for their communities to be better.

Student's Agency

Students are asked to choose a part of our community, research about it, and get to know each one's responsibilities, function, duties and how does it work? Then they can interview or research about each individual in that organ or part of the community, and ask about their interconnectedness despite their interdependent, and rights. So if one part doesn't respond to its duties, what will happen? How are the community parts related to each other? The students can have their own choice, voice, and ownership to give suggestions for improvement of their own chosen part of the community and the way that they want to present their final projects in the online class. They also reflect themselves and the others.



How do cells work together?

A group of similar cells that do the same job in an organism is called a **tissue** (TISH-ew). Both plants and animals have tissues. Muscle cells in your legs make up muscle tissue, which allows you to move your legs. Other kinds of tissues in an animal's body include blood, nerves, bone, and skin.

One kind of plant tissue carries water and minerals from a plant's roots through the stems to the leaves. Another example of a plant tissue is the flesh of fruits. The function of this tissue is to protect the plant's seeds.

In plants and animals, tissues of different kinds come together to make up an **organ** (AWR-guhn). Stems and fruits

From Cells to Organisms

The diagram shows a sequence: a single cell → a cluster of cells (tissue) → a heart (organ) → a lizard (organism).

Public Chat

Dahlia Alipour 10:23 PM
miss can i show something at the end of the class

Diana sadat Ranaei Siadat 10:23 PM
I got again disconnected

Pania Rafiee 10:24 PM
OKIE DOKIE

Audrina Borghei 10:24 PM
my grandma always wears a head band

Hannaneh Parvin 10:25 PM
MISS CHIBI KEPS EATING PLASTIC. SORRY THAT I KEP LEAVING

Hannaneh Parvin 10:25 PM
IT LOOKS LIKE A LIZERD

Granaz Zahedi 10:26 PM
yeah
but woahhhhhhhhhhhhhhhhhhhhh

Dornika Mehrpanah 10:26 PM
WHEN I WAS A BABY MY GRANDMA SAID EAT 12 SPOON THAT YOUR SOLGERS IN YOUR BODY EAT THEM AND GET ENERGY TOO ATACT THE VIRUSES

Pania Rafiee 10:26 PM
me

Zinnerah Adeel 10:26 PM
can i

online class
53:09

Granaz Zahedi

Audrina Borghei

Dornika Mehrpanah

Granaz Zahedi

Hannaneh Parvin

Zinnerah Adeel

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From Cells to Organisms

Slide 5
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Public Chat

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11:33 AM

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11:35 AM

11:35 AM

online UOI class
Start recording

Zinnerah Adeel

Atousa Ro...

Audrina B...

Dornika M...

Zinnerah A...

Security Guards

Security guard makes sure the hyper market is safe, and when there is a chance of robbery he can stop it.

- If the security guard stops working there will be no safety.
- There can be robberies and stealing.
- The customers will stop coming to the hyper market.
- The cashiers, helpers, and salesmen might lose their jobs and the community will stop working.



MATHEMATICS

The students learned more about multiplication and division, and their meaning in mathematics. They learned that multiplication is a kind of additions, and equal parts. The students learned how to multiply 3-digit numbers to two-digit and used place value of each digit. They learned a lot about multiplication word problems, and different word problem solving strategies. They learned that division is a kind of subtraction, following a specific pattern. They developed their word problem skills, and used different word problem strategies, basically they improved their word problem understanding and how to read and interpret a word problem.

They tried to solve word problems, using the following four solving problem steps:

- 1) Understand
- 2) Plan
- 3) Find a solution
- 4) Look back (check the solution)

The students took turns in designing various types of tests for each other, and tried to learn more from each other by playing teacher's role in the math class. They used different word problem solving strategies such as; Draw a picture, Act it out, and Find the clues.

L.A

The students learned more about the verb tenses and different types of sentences. Imperative and exclamatory sentences were taught and were used in punctuated writings in the class. The students became familiar with initial draft writing and beginning a proper story writing. They learned more about main sentence in a paragraph, and other related paragraphs. They increased their writing abilities. They developed their knowledge about the sentence structure in English.

ICT

The students practiced and learned power point software.