



UNIT GRAPHIC ORGANIZER

SUBJECT: Science

UNIT: 4

COURSE: 3°

TEACHER: INGRY CARDENAS

DATE: September 12th – 2022

THE HUMAN BEING

1. What can I consider of healthy food?
2. Why is important the digestion process in our body?
3. How do our lungs work?
4. What would happen if you don't have your kidneys?

GENERATIVE TOPIC:



UNDERSTANDING GOALS:

<p>The students will classify the aliments in groups through pyramids in order to design a healthy menu to give tips for caring the body.</p>	<p>The students will identify the main functions of the respiratory system through practical activities in order to prove how they are related with the circulatory system to give tips for caring the body.</p>	<p>The students will recognize the parts of the urinary system through simulations in order to schematize its functioning to give tips for caring the body.</p>
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	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		WAYS	CRITERIA
Exploration Stage	<ul style="list-style-type: none"> To understand why nutrition is so important to maintain a good health in our systems. To explain why the circulatory, digestive and unary systems are important in our body. 	1 week	<ul style="list-style-type: none"> Experiencing with the elaboration of healthy menus in https://www.youtube.com/watch?v=2QEWT9ywsdo Giving tips about how to take care of our body. https://www.youtube.com/watch?v=afVm7H4eQV4 <p>Milestone 1: Students will meet the topic of the synthesis project called "A healthy Recipe". Starting research about some healthy menus.</p>	<ul style="list-style-type: none"> Know and apply previous knowledge with the topic.
Guided Stage	<ul style="list-style-type: none"> To understand the importance of those groups in our daily diet (Proteins, minerals, vitamins, fats, carbohydrates and water). To recognize the 6 groups of nutrients: carbohydrates, vitamins and minerals fats, proteins, and water. To recognize the parts of the digestive system and which are the most important functions of them. To know the parts of the respiratory system and their functions. To comprehend how is the movement of the heart to pump blood to the body. To understand why the kidneys are vital in our body. To explain how the systems are related to each other. 	5 weeks	<ul style="list-style-type: none"> Practicing the parts of the respiratory, urinary, digestive, and circulatory systems using labels in an interactive body. Summarizing the steps of the food processing. Making a simple experience to prove how bile break down fats using dish soap, milk and food colouring. Watching the following video about the systems. https://www.youtube.com/watch?v=i5aXwiC3wWc Doing puzzles (digestives, respiratory, circulatory, and urinary systems). Measuring the quantity of air that the lungs can hold through a simple experiment (balloon). Comparing the results making bar graphs. Doing work experience measuring heart rate while dancing and making graphs. Proving the function of the urinary system with a model of a kidney using jelly, hose, and cotton. <p>Milestone 2: Together with the English class, students will create a healthy daily diet (breakfast, lunch, and dinner) according to the food pyramid for kids.</p>	<ul style="list-style-type: none"> Know and apply previous knowledge with the topic. Collect information on different sources. Establish differences among description explanation and evidences. Register information in order.

Learning Evidence	<ul style="list-style-type: none">To argue a proposal about how to take care of the body by eating healthy food.	1 week	Milestone: Students will present and explain their healthy recipe as a Master chef reality show where they will take into account kitchen action and utensils, linking words, food groups, healthy menu and its benefits of it to the body.	<ul style="list-style-type: none">Explain the results and conclusions.
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