

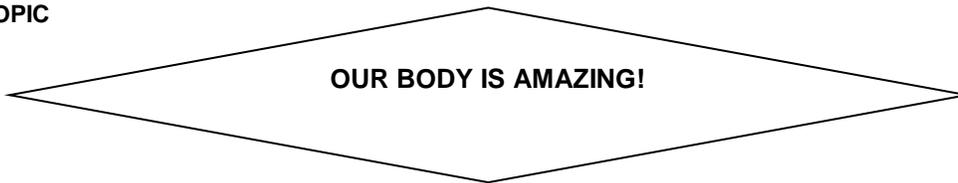


Body's systems and feedback mechanisms

THROUGHLINES:

How do we sense the environment?
 How do our muscles work?
 Why do we feel pain?
 Why do we sweat?
 Why is alcohol bad to our bodies?

GENERATIVE TOPIC



UNDERSTANDING GOALS:

The student will understand the characteristics and functions of the main systems of the human body throughout schemes and drawings.	The student will understand the feedback mechanisms and homeostasis processes that occur in the human body throughout scheme drawings and charts.	The student will analyze the effects that some substances have in the correct functioning over the nervous and muscular systems throughout the development of a case study..
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	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		WAYS	CRITERIA
Exploration Stage	<p>To recognize the main structures that compose the human body's systems</p> <p>To recognize the levels of organization that exist in the human body.</p> <p>To recognize the principal functions of the human body's systems</p> <p>Synthesis Project: stage one</p> <p>To identify which substances can interfere with the correct functions of the nervous and muscular systems.</p>	2 SEMANAS	<p>Extracting information from a video about the structures that compose the human body's systems.</p> <p>Extracting information from a video about the levels of organization that exist in the human body..</p> <p>Modeling a clay representation of the human body with it's main systems and functions.</p> <p>Synthesis Project: stage one</p> <p>Creating a hypothesis about the influence of alcohol in the human nervous system.</p> <p>Searching for information about the influence of alcohol in the nervous system.</p> <p>Presenting a report with the information about the influence of alcohol in the human nervous system.</p>	<p>Searches for information in different sources choosing correctly.</p> <p>Identifies the language of science in a proper way.</p>

<p>Guided Stage</p>	<p>To recognize and represent the principal feedback mechanisms and homeostasis processes that take place inside the human body.</p>	<p>4 SEMANAS</p>	<p>Recognizing the principal feedback mechanisms and homeostasis processes that take place inside the human body by watching a documentary and extracting information from different sources to finally present a report.</p> <p>Modeling the feedback mechanisms that regulate the levels of carbohydrates in the human body using schemes, drawings and charts</p> <p>Synthesis Project: stage two</p> <p>Observing a case study of the effects of alcohol inside the nervous system.</p> <p>Analyzing the data information in the case study and presenting a report with their conclusions</p>	<p>Identifies variables that are related to the results of their experiments.</p> <p>Communicates its observations and conclusions throughout a science report</p>
<p>Learning Evidence</p>	<p>To analyze and argue the effects of some substances in the correct functions of the nervous and muscular systems.</p>	<p>2 SEMANAS</p>	<p>Synthesis project: stage three</p> <p>Doing a dissertation in order to explain the results of their case study by using schemes draws and charts.</p> <p>Creating a graffiti for Spanish to promote awareness about the dangers of alcohol human's health.</p> <p>Measuring the parameters and areas of murals for their graffiti in math by using the international measurement's system.</p>	<p>Proposes and argues answers to its own questions and compares them with its partners and scientific theories</p> <p>Communicates the results of their experiments using draws, schemes, charts, etc.</p>