

The chemistry of love

Class: Middle school/high school

Level: Upper-intermediate.

Time : 45 minutes

Aims:

- To learn about love as an emotion
- To learn about reactions in our body
- To learn about hormones in our body
- To learn about animals that mate for life
- To learn vocabulary connected with love idioms
- To look for specific information on the internet
- To read for specific information
- To transfer the information.
- To use web pages

CLIL: chemistry, biology

Materials : included photocopies, access to the internet and personal computer, speakers.

STAGE	AIMS	PROCEDURE	CLASSROOM LANGUAGE	TIME	MATERIALS
Introduc tion	To start the lesson	Check the register /check homework		1 min/ 6 min	
Warm – up activity	To provide students with introduc tion to the topic	Ask the students to look at the diagram, explain the idioms they might not know, ask the students to create a love story using the vocabulary from the diagram	Look at the love idioms and create a story about Kate and William using the expressions from the diagram.	10 min	
The main part of the lesson	To observe the changes in our body connect ed with different emotion s. To write a definitio n of love.	Ask the students to go online, analyse the pictures and try to define love.	Look at http://mic.com/articles/77915/this-is-what-happens-to-your-body-when-you-re-in-love-and-angry-and-sad and see what happens to your body when you feel strong emotions like love.	5 min	Worksheet 1 Internet
	To learn about	Ask the students to work individually, use one of	Watch an interview with Abigail Marsh , the clinical psychologist	15 min	

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	chemical reactions and hormones in our body when we feel love	<p>the sources provided, or both and find answers to the questions.</p> <p>Allow time for research.</p> <p>Check the answers as the class.</p>	<p>http://www.youtube.com/watch?v=bp7Ydv5wAPk and read information on http://people.howstuffworks.com/love2.htm and answer these questions:</p> <p>How is love like addiction?</p> <p>What are the stages of love and what hormones are released at each stage?</p> <p>How do these hormones influence our emotions?</p>		
Wrap-up	To learn about love in the animal world	Tell the students to go online and find about animals that mate for life because of the similar chemical reactions in their organisms.	<p>Now check what other animals apart from prairie voles mate for life: http://www.mnn.com/earth-matters/animals/photos/11-animals-that-mate-for-life/old-faithful</p>	10 min	

Sources:

<http://www.grammar.net/tag/love-idioms-and-phrases>

<http://mic.com/articles/77915/this-is-what-happens-to-your-body-when-you-re-in-love-and-angry-and-sad>

<http://www.youtube.com/watch?v=bp7Ydv5wAPk>

<http://people.howstuffworks.com/love2.htm>

<http://www.mnn.com/earth-matters/animals/photos/11-animals-that-mate-for-life/old-faithful>