

Human eye

Class: Middle school/high school

Level: Upper-intermediate.

Time : 45 minutes

Aims:

- To learn anatomy of a human eye
- To learn about vision and how the human eye works
- To learn vocabulary connected with eye anatomy
- To learn the cause and purpose of tears
- To look for specific information on the internet
- To read for specific information
- To transfer the information.
- To use web pages

CLIL: Biology, Physics, Art

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

STAGE	AIMS	PROCEDURE	CLASSROOM LANGUAGE	TIME	MATERIALS
Introduction	To start the lesson	Check the register /check homework		1 min/ 6 min	
Warm – up activity	To provide students with introduction to the topic	Ask the students to look at the drawing of the eye and match its parts with given vocabulary	<i>iris</i> <i>pupil</i> <i>sclera</i> <i>eyelid</i> <i>eye lash</i> <i>caruncula</i>		
The main part of the lesson	To learn about the processes of how we see, the build of a human eye	Ask the students to use the sources provided, watch the video. Check the understanding, ask the students to retell the process they have just watched. Ask the students to check their understanding with the follow up quiz.	How do we see? Go to http://www.youtube.com/watch?v=nbwPPcwknPU or http://www.childrensuniversity.manchester.ac.uk/interactives/science/brainand senses/eye/ to go on a journey inside the human eye.		Worksheet 1 Internet
	To learn about the cause and purpose of tears.	Students go online and read about the cause and purpose of tears, allow time to do the research and check the answers as the class. Make sure students understand there are different types of tears.	Why do we cry? and how do we produce tears? http://www.webmd.com/balance/features/why-we-cry-the-truth-about-tearing-up http://science.howstuffworks.com/life/crying1.htm How many types of tears are there?		

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Wrap-up	To learn about structure of different types of tears, to learn about art project.	Students go online to watch an art project .	Rose-Lynn Fisher is an artist who photographed tears through a microscope. What might be her findings? Go to http://www.rose-lynnfisher.com/tears.html to find out.		
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Sources:

http://puthmaipiththan.blogspot.com/2011/04/blog-post_07.html

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

<http://www.childrensuniversity.manchester.ac.uk/interactives/science/brainandsenses/eye/>

<http://www.webmd.com/balance/features/why-we-cry-the-truth-about-tearing-up>

<http://science.howstuffworks.com/life/crying1.htm>

<http://www.rose-lynnfisher.com/tears.html>

<http://www.homehealthclinic.co.uk/how-the-eye-works>