

Escape Classroom – Digital Turn

Learning Design for: Global brain functioning

Class plan available at <https://v.gd/hxTluE>

Context

Topic: Psychology, level 12

Total learning time: 120

Number of students: 24

Description:

Guided work: step by step the students gather information about how the human brain functions and prove they have learnt the new concepts making a word cloud and writing a text.

Aims

To understand brain systemic functioning

Outcomes

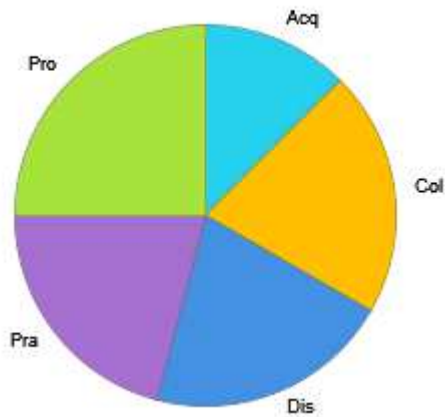
Knowledge: Knowing the brain systemic functioning

Analysis: Analysing the lateralization of brain function

Synthesis: Making a word cloud with the key concepts and then writing a text on global brain functioning

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Teaching-Learning activities



Acq – Acquisition 12,5 %

Col – Collaboration 20,83 %

Dis – Discussion 20,83 %

Pra – Practice 20,83 %

Pro – Production 25%

Motivation: How does the brain function?

Read Watch Listen 5 minutes 24 students Tutor is available

Watching an animated video, "Word as image", and reading a chart.

- Resources attached –

<https://www.youtube.com/watch?v=J59n8FsoRLE>

<https://view.joomag.com/look-at-the-chart-look-at-the-chart-and-say-the-color-not-the-word/0551767001548762421?short>

Discuss 10 minutes 24 students Tutor is available

What surprised you in the animated video? What puzzled you on the chart attached? Why?

Collaborate 10 minutes 24 students Tutor is available

Brain storm with the individual conclusions written on the blackboard

Discuss 15 minutes 24 students Tutor is available

Discussion of the results

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Notes

Individual viewing of the animated video and the reading of the chart helps to learn new concepts and gain knowledge.

Brain hemispheric specialization

Read Watch Listen 10 minutes 24 students Tutor is available

Watching an animated video, "What's the difference between the right brain and the left brain?"

- Resource attached – <https://youtu.be/Xe817Aj-mgM>

Collaborate 15 minutes 2 students Tutor is available

Selecting basic concepts, in pair work

Produce 10 minutes 24 students Tutor is available

Working with the whole class: systematizing the key concepts.

Notes

The animated video may be watched twice, advising students to take notes while viewing the video for the second time.

Brain systematic functioning

Produce 20 minutes 2 students Tutor is available

With all the key concepts related to brain hemispheric specialization, students make a word cloud, choosing the shape(s) best suited for learning the topic. We suggest using one of the following APP Word Clouds or Word Art, but students may choose any other appropriate ICT tool they may know.

- Resources attached –
<https://www.wordclouds.com/>
<https://wordart.com/>

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Practice *25 minutes* *1 students* *Tutor is available*

Writing a text with the learning concepts - short story or a scientific article (400 to 500 words) - using a Word processor. When the text is ready, the students send it to EDMODO platform.

Notes

Students may be advised to first write out the text by hand and only when all the ideas are clear and well organized use a word processor for the final version. Recent researchers have come to the conclusion that writing by hand enhances a deeper level of learning.

To know more ...

Investigate *minutes* *1 students* *Tutor is not available*

Consolidation of the knowledge about brain functioning by watching a Ted Conference by Jill Taylor

- Resource attached – <https://youtu.be/UvyjU8fzEYU>

To know even more ...

Investigate *minutes* *1 students* *Tutor is not available*

- The brain: structure and function (video)

Resource attached: <https://youtu.be/kMKc8nfPATI>

- Neuroplasticity (Ted Conference by Lara Boyd)

Resource attached: <https://youtu.be/LNHBMFCzznE>

- How music develops our brain (Ted Ed animated video, Lesson Worth Sharing by Anita Collins)

Resource attached: <https://youtu.be/ROJKCYZ8hng>