

Year 11 A-F PSYCHOLOGY

Subject	Psychology
Class/ Division	Year 11 A-F
Week	4 Term 2 (21st Feb to 25th Feb)
Work sent to students via	Zoom Meeting and Google Classroom
Total number of lessons per week	3 Zoom Classes(Synchronous) 1 GC
Topic (Term 1 Lesson)	The Brain and Neuropsychology
Lesson Topic	<ul style="list-style-type: none"> • Revision of The Brain and Neuropsychology
Content in Brain and Neuropsychology	<p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. Use concepts, theories and research drawn from mental health problems to explain the debates. 2. Define nature and nurture. 3. Describe the structure of the human brain. 4. Identify the location of the temporal, occipital, frontal and parietal lobes of the brain. 5. Explain the functions of the temporal, occipital, frontal and parietal lobes of the brain. 6. State the location and functions of the cerebellum. 7. Describe how two hemispheres of the brain have asymmetrical (different functions). 8. Explain the role of the left and right hemisphere. 9. Explain the role of corpus callosum. 10. State the strengths and weaknesses of lateralization as an explanation of sex differences between males and females. 11. Identify the role of the central nervous system. 12. Explain how neurotransmitters pass messages around the body. 13. Illustrate how synapses work to pass on the messages.
Task	

Resources

14. Discuss how neuron and synapses interact.
15. Explain APRC of both studies and describe strengths and weaknesses
16. *Discuss how psychology has changed over time.*
17. *Use concepts, theories and research drawn from studying the brain to explain how psychology has changed over time.*

- **Learning Outcomes:**

1. Illustrate how our biology influence mental health problems or how nurture could be the cause of mental health problem.
2. Differentiate between nature and nurture.
3. Explain the structure of the human brain.
4. Label and name the key areas of the human brain.
5. Recognise the location of the temporal, occipital, frontal and parietal lobes of the brain and state their functions.
6. Point out the location and functions of the cerebellum.
7. Describe how the hemispheres of the brain have asymmetrical functions.
8. Outline the role of the left and right hemisphere.
9. State the role of the corpus callosum.
10. Evaluate the strengths and weaknesses of lateralisation as an explanation of sex differences between males and females.
11. Outline the role of the central nervous system.
12. Explain how neurotransmitters pass messages around the body.
13. Describe how synapses work to pass on the messages.
14. Illustrate how neurons and synapses interact.
15. Outline APRC for both studies and evaluate them
16. Explain how psychology has changed over time using concepts, theories and research drawn from studying the brain.
17. Outline how different studies contributed to the advancement of the study of human behavior.
18. Define the terms and briefly describe their functions: neuroscience, post-mortem, EEG, MRI and PET.

Task 1: Jenna was involved in a car accident and suffered damage

to her parietal lobes. What kind of problems might be expected in a patient like Jenna?

Sayed fell from a horse and landed on the back of his head.

Although he was wearing a helmet the doctors have discovered swelling in his occipital lobe. What kind of problems might Sayed expect to suffer?(4 marks)

(To be done during GC)

Task 2: Homework to be written and uploaded on to GC

Shaun has suffered damage to his brain following a biking accident that causes him to bang his head badly. The doctor says his brain scan shows that there is swelling in Broca's area in his left hemisphere and Shaun should expect some short-term problem until the swelling goes down.

From your understanding of the functions of Broca's area, what effects might Shaun's doctor advice him to expect?

Jana has been given some medication to treat her depression. The drug she has been given will affect her central nervous system by influencing the amount of neurotransmitters serotonin that is available.

Explain the role of neurotransmitters, making sure you refer to Jana in your answer.

TB. Psychology Book Edexcel GCS4E (9-1) 1 pp. 78-97