



مدرسة القديسة مريم الكاثوليكية الثانوية - دبي
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

Lesson Plan

Subject	Psychology
Class/ Section	10
Week	3 12th September – 16th September
Work send to students by	Google classroom
Total number of lessons per week	4
Unit/Topic	The brain and neuropsychology: The role of the central nervous system
Key Vocabulary	Central nervous system (CNS), Peripheral nervous system (PNS), Neurotransmitters, Neuron, Synaptic transmission, Synapse, Axon, Terminal button, Vesicles, Receptors
Lessons 1,2,3 –Live Zoom lesson along with face to face instruction for students present on a particular day Work will be assigned in google classroom which will be matched to the students ability.	<u>Specific Learning objectives</u> <ul style="list-style-type: none">➤ Identify the role of the central nervous system.➤ Explain how neurotransmitters pass messages around the body.➤ Illustrate how synapses work to pass on the messages.➤ Discuss how neuron and synapses interact.

Tasks

**Assessment Criteria/
Essential questions**

Specific Intended Learning Outcomes

- Outline the role of the central nervous system.
- Explain how neurotransmitters pass messages around the body.
- Describe how synapses work to pass on the messages.
- Illustrate how neurons and synapses interact.

Task 1: (During Lesson)

- Explain the function of neurotransmitters
- Identify a few Neurotransmitters – explain their function (Dopamine, Serotonin & GABA)
- Explain what the role of the central nervous system and label the parts of the CNS.

Task 2: (Homework– Google classroom)

- Do research on the functions of other neurotransmitters in the body. What are some examples of neurotransmitters and their role in the body?

Task 3: (During Lesson)

- Explain synaptic functioning
- How do neurons and synapses interact
- 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 the neurotransmitter serotonin that is available. Explain the role of neurotransmitters, making sure you refer to Jana in your answer.

Task 4: (Homework – Google classroom)

- Draw and label the parts of the central nervous system.
- Use diagram to illustrate how synaptic transmission happened.

Essential questions:

- a. Name the parts of the central nervous system.
- b. Describe how neurotransmitters pass messages around the body.
- c. How do neuron and synapse interact?

d. What are some examples of neurotransmitters and their role in the body?

Assessment Criteria:

AO1: Identify the parts and explain the role of the central nervous system (CNS)

A02: Discuss the development of neural connections and how neurotransmitters pass messages around the body.

AO3: Describe the function of the Synapse and how neurons and synapses interact.

Resources

Textbook (pg. 86-87)

PowerPoint presentation

<https://www.youtube.com/watch?v=VitFvNvRIIY> - Synapse

https://www.youtube.com/watch?v=q8NtmDrb_qo - CNS

<https://www.youtube.com/watch?v=QY9NTVh-Awo> - PNS