

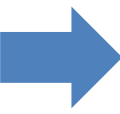
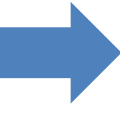
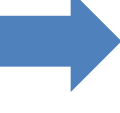
Brain and Neuropsychology

Skills, knowledge and understanding to be developed in this Learning Plan:

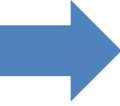
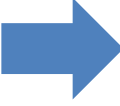

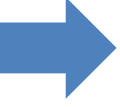
Begin to develop knowledge and understanding of a range of concepts associated with brain structure and function including the nervous system and neuropsychology.
 Develop a range of skills to help me analyse and evaluate a range of different research studies based around the brain and neuropsychology.

Key terms to be learned in this

LP:
 Brain, Neuroscience Cortex, Somatosensory, temporal lobe, parietal lobe, occipital lobe, cerebellum, neurotransmitter

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| <p><i>Week/Wythnos 1 Learning Objectives:</i> Understand the structure and functions of the human nervous system.</p> <ul style="list-style-type: none"> • Develop and understanding of the structure/divisions of the human nervous system: central and peripheral (somatic and autonomic). • Be able to describe the basic functions of these divisions. |  | <p>Objective assessments:</p> <ul style="list-style-type: none"> - Recall and describe the structure of the nervous system including the central and peripheral nervous system. -Explain the functions of each system through short answers or as part of a extended piece of writing. -Use past paper questions to demonstrate my understanding of the questions likely to be asked in the exam. <p>Homework/Gwaith cartref:</p> <p>Set: Due:</p> |
| <p><i>Week/Wythnos 2 Learning Objectives:</i> How does the nervous system work? Understanding the autonomic nervous system and the flight or fight response.</p> <ul style="list-style-type: none"> • Understand the autonomic nervous system and the fight or flight response. • Understand and be able to evaluate the James-Lange theory of emotion. |  | <p>Objective assessments:</p> <ul style="list-style-type: none"> - Recall and describe the autonomic nervous system and be able to explain the flight or fight response. -Be able to answer a range of AO1 questions as well as AO2 exam questions. -Use a range of analytical and evaluative skills to evaluate the James-Lange theory of emotion, using past papers to enhance my understanding. <p>Homework/Gwaith cartref:</p> <p>Set: Due:</p> |
| <p><i>Week/Wythnos 3 Learning Objectives:</i> Develop an understanding of neuron structure and function</p> <ul style="list-style-type: none"> • Understand sensory, relay and motor neurons, synaptic transmission: release and reuptake of neurotransmitters, excitation and inhibition. • Understand how these processes interact. • Understand and be able to evaluate Hebb's theory of learning and neuronal growth. |  | <p>Objective assessments:</p> <ul style="list-style-type: none"> - Recall and describe the different terms associated with the neuron structure, and effectively explain the functions of each. -Be able to explain how the processes interact with each other to form our system responses -Use analytical skills to evaluate Hebb's theory of learning and building neurones. <p>Homework/Gwaith cartref:</p> <p>Set:</p> |

Brain and Neuropsychology

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| <p><i>Week/Wythnos 4 Learning Objectives:</i> What does the brain look like? Developing a picture of the brain.</p> <ul style="list-style-type: none"> • Understand brain structure: frontal lobe, temporal lobe, parietal lobe, occipital lobe and cerebellum. • Understanding what each structural parts function is. |  <p><i>Objective assessments:</i> - Describe and explain the different types of body language, including different types of body posture. -Explain and evaluate McGinley’s study on postural echo.</p> | <p>Homework/Gwaith cartref:</p> <p>Set: Due:</p> |
| <p><i>Week/Wythnos 5 Learning Objectives:</i> Knowing what localisation of function means-</p> <ul style="list-style-type: none"> • Understand localisation of function in the brain and the motor, somatosensory, visual, auditory and language areas. • Understand and be able to evaluate Penfield’s study of the interpretive cortex. |  <p><i>Objective assessments:</i> - Discuss personal space and the effect of people being in you personal space. -Explain Argyle & Dean’s research into personal space linking it to their own experiences. -Create a visual representation of of the factors affecting personal space.</p> | <p>Homework/Gwaith cartref:</p> <p>Set: Due:</p> |
| <p><i>Week/Wythnos 6 Learning Objectives:</i> An introduction to Neuropsychology, what is it?</p> <ul style="list-style-type: none"> • Understand what cognitive neuroscience is. • Understand the use of scanning techniques to identify brain functioning. • Understanding how neurological damage, can affect motor abilities and behaviour. |  <p><i>Objective assessments:</i> Be able to: -Describe Darwin’s theory of non verbal behaviour -Discuss within a group the findings of Darwin’s theory -Evaluate Darwin’s theory</p> | <p>Homework/Gwaith cartref:</p> <p>Set: Due:</p> |
| <p><i>Week/Wythnos 7 Learning Objectives:</i> Evaluating Tulving’s ‘gold’ memory study</p> <ul style="list-style-type: none"> • Understand and be able to evaluate Tulving's 'gold' memory study. |  <p><i>Objective assessments:</i> Be able to: -Recall and evaluate Yuli’s study on non verbal behaviour. -Demonstrate through questioning my undertsnading that behaviour is learned. -Compare the evidence that non verbal baehviour is either innate or learned.</p> | <p>Homework/Gwaith cartref:</p> <p>Set: Due:</p> |