Edexcel GCSE Learning Intentions – Year 10 (Term 2.2)

What? When? Why?	Lesson 1 Learning Intentions	Lesson 2 Learning Intentions	Lesson 3 Learning Intentions
1	Biopsychology: Areas of the brain and their functions (frontal lobe, parietal lobe, temporal lobe, occipital lobe, cerebellum, motor-cortex, somatosensory-cortex).	Create a model of the brain with all the lobes and associated functions.	To introduce various types of brain damage and loss of associated functions (Visual Agnosia and Prosopagnosia).
2	Research Methods: Case Studies – to explain what is meant by a case study and evaluate the usefulness of case studies for research.	To introduce the case study of Phineas Gage and the change in his behaviour linked to brain damage.	To evaluate the usefulness of Phineas Gage's case study to understand the role of the frontal lobe.
3	To outline the research by Damasio (1994) and use of computers for the purpose of research.	To evaluate the research by Damasio (1994).	To outline how messages are passed around the body from the CNS to the PNS via neurons.
4	To outline the structure and functions of neurons, including receptor sites, axon, terminal buttons, vesicles, synaptic cleft, myelin sheath, dendrites.	To explain how neurons fire including action potentials, neurotransmitters and summation.	To explain the theory of brain lateralisation including the functions associated with each hemisphere and how the hemispheres communicate via the corpus callosum.
5	To explain how the role of the left hemisphere in language including Broca and Wernicke areas.	To explain the different types of experiment used in psychological research including the manipulation of variables and levels of control.	To introduce the methods of collecting participants for the purpose of psychological research.
6	To introduce the work of **Sperry** and split-brain research.	To evaluate the research by **Sperry,** focusing on the type of experiment and sampling issues.	To consolidate the research by **Sperry** and the theory of brain lateralisation, including possible gender differences.
7	To outline and evaluate the development and use of MRI and fMRI as methods of measuring the brain.	To outline and evaluate alternative methods of measuring the brain including PET, post-mortem and EEG's.	To consolidate and revise the topics covered in Biopsychology.