Applied Science

OCR GCE Unit G632 The Mind and the Brain

Unit Recording Sheet

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

Unit Title	**13 The Mind and the Brain**	**Unit Code**	**G632**	**Session**	Jan / June	**Year**	**2**	**0**	**0**	
Centre Name					**Centre Number**					
Candidate Name					**Candidate Number**					

Evidence of a comprehensive exploration of research methods employed in the study of mind and brain

Criteria			Teacher Comment	Page No.
AO1(a).1: You will produce **one** fact sheet including selected information about stress and related illness that has been clearly presented; **[0 1 2]**	**AO1(a).2:** You will produce **one** detailed set of researched fact sheets including a clear definition of stress, its possible causes and its effects on health, with relevant information selected and clearly and logically presented; **[3]**	**AO1(a).3:** You will produce **one** set of detailed fact sheets, detailed work based on thorough research, including a clear definition of stress, its possible causes and its effects on health with reference to intervention programmes; you will provide evidence that relevant information has been selected from a variety of sources and is clearly and logically presented. **[4 5]**	**Mark**	
AO1(b).1: You will produce **one** fact sheet including selected information about the study of the brain that has been clearly presented; **[0 1 2]**	**AO1(b).2:** You will produce **one** detailed set of researched fact sheets that have been clearly presented, based on the study of the brain; **[3]**	**AO1(b).3:** You will produce **one** set of detailed fact sheets, detailed work based on thorough research into both the healthy and the damaged brain, with evidence that relevant information has been selected from a variety of sources and is clearly and logically presented. **[4 5]**	**Mark**	
AO2(a).1: You will demonstrate a basic knowledge of the methods used in studying the brain and how they are used in an experimental or a clinical setting; **[0 1 2]**	**AO2(a).2:** You will demonstrate knowledge and understanding of the methods used in studying the brain and explain how they are used in both an experimental and a clinical setting; you will mostly use scientific terms accurately; **[3 4 5]**	**AO2(a).3:** You will demonstrate a thorough knowledge and understanding of the methods used in studying the brain; you will explain how such methods are used in both an experimental and a clinical setting, and how they are used in confirming hypotheses regarding normal brain function and in the diagnosis of brain diseases; you will use appropriate scientific terms accurately throughout. **[6]**	**Mark**	

Criteria			Teacher Comments	Page No.
AO2(b).1: You will carefully select information and present it clearly; you will acknowledge the ethical aspects of brain research; **[0 1 2]**	**AO2(b).2:** You will select carefully a wide range of information, giving reasons for your choice of resources; you will present information clearly and logically; you will discuss the moral and ethical implications of brain research; **[3]**	**AO2(b).3:** You will demonstrate an ability to identify the preferable methods for investigating a particular research question; you will evaluate information both for and against a method, presenting it clearly and logically; you will discuss comprehensively moral, ethical and conceptual considerations associated with the various methods employed in brain research; you will provide evidence of statistical research. **[4 5]**	**Mark**	
AO2(c).1: You will prepare a fact sheet involving statistical evidence with basic calculations shown; **[0 1]**	**AO2(c).2:** You will complete a fact sheet detailing statistical evidence, including statistical-test calculations with some summary of results; **[2]**	**AO2(c).3:** You will present statistical evidence with appropriate complex statistical calculations with full explanation of the rationale behind the test and result gained. **[3]**	**Mark**	
AO3(a).1: You will carry out a simple experiment to evaluate a particular cognitive function following ethical guidelines; **[0 1 2]**	**AO3(a).2:** You will design and carry out a simple experiment to evaluate a particular cognitive function showing evidence of consideration of ethical guidelines; **[3]**	**AO3(c).3:**You will design and carry out an experiment to evaluate a particular cognitive function showing evidence of all relevant ethical guidelines and steps taken to reduce risk. **[4 5]**	**Mark**	
AO3(b).1: You will plan and investigate a research problem and show that you have considered appropriate ethical issues; **[0 1 2]**	**AO3(b).2:**You will plan confidently and complete your research problem, identifying its advantages and limitations; you will provide evidence that you have considered ethical issues; **[3 4 5]**	**AO3(b).3:**You will plan thoroughly and complete your research problem; you demonstrate a clear understanding and justification of your work; you demonstrate consideration of ethical issues in your design. **[6]**	**Mark**	
AO3(c).1: You will record data relating to your design and display the data; **[0 1 2]**	**AO3(c).2:**You will record precisely relevant data and display the scientific data accurately in a range of ways using tables and simple graphs; **[3 4 5]**	**AO3(c).3:** You will record precisely a detailed data set; you will display the scientific data accurately in a range of ways; you will collect sufficient data to complete simple statistics on the results. **[6]**	**Mark**	
AO3(d).1: You will offer a basic interpretation of the results; **[0 1 2]**	**AO3(d).2:**You will interpret the results and draw basic conclusions, explaining your results clearly, making real-life application wherever appropriate; **[3]**	**AO3(d).3:** You will interpret the results in detail using secondary sources to support your findings and draw conclusions relating to your results. **[4 5]**	**Mark**	
AO3(e).1: You will offer a basic evaluation of your work; **[0 1]**	**AO3(e).2:** You will provide examples of how your work could be improved upon; whether your chosen method is the most suitable, identifying advantages and limitations; **[2 3]**	**AO3(e).3:** You will provide practical and clinical analogies wherever appropriate and discuss how your experimental design could be modified using other existing methods and suggestions for further research. **[4]**	**Mark**	
		Total/50		

If this work is a re-sit, please tick		Session and Year of previous submission	Jan / June	2	0	0		Please tick to indicate this work has been standardised internally	

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).
A completed Centre Authentication form CCS160 **must** accompany the MS1 when it is sent to the moderator.

Guidance on Completion of this Form

1 **One** sheet should be used for each candidate.
2 Please ensure that the appropriate boxes at the top of the form are completed.
3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and also enter the circled mark in the final column.
5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.