	Psychology Knowledge Organiser – Paper 2 Psychology in Context				
Aim A – Demonstrate understanding of key psychological approaches, including how they are similar/different to one another, and the strengths/limitations of each approach.	Aim B – Assess to what extent brain functioning is localised/lateralised, and whether functioning can be regained following trauma, whilst demonstrating understanding of how neurotransmitters and	Aim C – Demonstrate knowledge and understanding of research methods, scientific processes and techniques of data handling and analysis, whilst being familiar with their use, and aware of their strengths and limitations.			
	hormones affect behaviour.				
In this section you will be considering the five psychological approaches in terms of their	In this section you will be considering how biological functions affect behaviour & how	In this section you will be considering how psychologists conduct psychological investigations and the measures they use to ensure scientific processes are conducted in an ethical manner and findings are analysed sufficiently so that hypotheses can be tested and conclusions can be drawn. You will be expected to show			
assumptions, methods of investigation, & attempts to explain	we process information in the brain. You will be expected to compare	confidence in planning investigations and awareness of how investigations can be presented in a way which is fitting with the conventions of a scientific report.			
& treat behaviour. You will be	various methods of studying the				
expected to compare them.	brain and discuss whether brain	Experimental method			
	functioning is lateralised or	 Types of experiment, laboratory & field; natural & quasi 			
Origins of Psychology	localised & if trauma can be				
- Wundt	overcome.	Observational techniques			
 Emergence of Psychology 		- Types of observation: naturalistic & controlled; covert & overt; participant & non-participant			
as a science	The nervous system	- Behavioural categories			
	- Central	 Event sampling; time sampling 			
Learning approaches	- Peripheral				
 Classical conditioning 		Self-report techniques			
 Operant conditioning 	Neurons	 Questionnaires; the use of open & closed questions 			
 Social learning theory 	- Sensory	 Interviews, structured & unstructured 			
	- Relay				
The cognitive approach	- Motor	Correlations			
- Internal mental processes		 Analysis of the relationship between co-variables 			
- The use of theoretical &	Synaptic transmission	- The difference between correlations & experiments			
computer models	- Neurotransmitters				
- The emergence of	- Excitation	Content analysis			
cognitive neuroscience	- Inhibition	- Coding			
The bisk start and the	The function of all in the	- Thematic analysis			
The biological approach	The function of the endocrine				
- The influence of genes,	system	Case studies			
biological structures	- Glands				
& neurochemistry on	- Hormones	Aims and Hypotheses			
behaviour	- The fight or flight	- Stating aims; Directional, non-directional & null hypotheses			
- Genotype & phenotype	response	 The difference between aims & hypotheses 			
 Genetic basis of behaviour 					

The psychodynamic approachfur-The role of the unconscious-The structure of personality-Defence mechanisms-Psychosexual stages	 calisation/Lateralisation of nction in the brain Hemispheric lateralisation Broca's & Wernicke's areas Split brain research Plasticity Functional recovery 	 Sampling The difference between population & sample Techniques: random, systematic, stratified, opportunity & volunteer Implications of sampling techniques, including bias & generalisation Experimental designs Repeated measures
 The role of the unconscious The structure of personality Defence mechanisms Psychosexual stages 	 Hemispheric lateralisation Broca's & Wernicke's areas Split brain research Plasticity 	 Techniques: random, systematic, stratified, opportunity & volunteer Implications of sampling techniques, including bias & generalisation Experimental designs
unconscious - The structure of personality - Defence mechanisms - Psychosexual stages	 Broca's & Wernicke's areas Split brain research Plasticity 	 Implications of sampling techniques, including bias & generalisation Experimental designs
 The structure of personality Defence mechanisms Psychosexual stages 	areas - Split brain research - Plasticity	Experimental designs
of personality - Defence mechanisms - Psychosexual stages	Split brain researchPlasticity	
Defence mechanismsPsychosexual stages	- Plasticity	
 Psychosexual stages 		- Repeated measures
	 Functional recovery 	
		- Independent groups
Usual anistic Developeration 14/	eve of studying the busin	- Matched pairs
	ays of studying the brain	Veriables and Control
- Free will	 Scanning techniques 	Variables and Control
- Self-actualisation	- Post-mortems	- Manipulation & control of variables
 Maslow's hierarchy of needs Bio 	ological rhythms	- Operationalisation of variables
- Focus on the self	- Circadian	- Random allocation
	- Infradian	- Counterbalancing
- Congruence	- Ultradian	- Randomisation
- The influence		- Standardisation
on counselling Psychology	 Endogenous pacemakers & exogenous zeitgebers 	- Demand characteristics & investigator effects
Comparison of approaches	on the sleep/wake cycle	- The aims of pilot studies
comparison of approaches	on the sleep, wake cycle	Table -
		Ethics
		 Ethical issues in the design & conduct of psychological studies
		-
		The role of peer review in the scientific process
		The implications of psychological research for the economy
		Reliability across all methods of investigation
		- Test-retest & inter-observer reliability
		 Improving reliability
		inproving reliability
		Types of validity across all methods of investigation
		 Face, concurrent, ecological & temporal validity
		 Improving validity
		Features of science
		- Objectivity & the empirical method
		- Replicability & falsifiability
		- Theory construction & hypothesis testing
		 Paradigms & paradigm shifts

Reporting psychological investigations
- Sections of a scientific report
Quantitative and qualitative data
- The distinction between qualitative & quantitative collection techniques
 Primary & secondary data, including meta-analysis
Descriptive statistics
 Measures of central tendency & dispersion
 Calculation of percentages
Presentation and display of quantitative data
- Graphs
- Tables
Distributions
- Normal & skewed distributions
Analysis and interpretation of correlation
 Positive, negative & zero correlations
- Correlation coefficients
Levels of measurement
- Nominal
- Ordinal
- Interval
Introduction to statistical testing
- The sign test
 Probability & significance
 Use of statistical tables & critical values in interpretation of significance
- Type I & Type II errors
 Factors affecting the choice of statistical test
- When to use the following tests: Spearman's rho, Pearson's r, Wilcoxon, Mann-Whitney, related t-
test, unrelated t-test & Chi-Squared test

Psychology Knowledge Organiser – Paper 2 Psychology in Context					
Key Words	Career Paths	Skills & Assessment Objectives			
Introspection Association Reinforcement Role model Mediational processes Schemas Genotype Phenotype Neurotransmitters Hormones Iceberg Analogy	 Psychologist (occupational; forensic; educational; clinical) Lawyer Police officer Prison officer Teacher Psychiatrist Mental health nurse/support worker Many more 	Knowledge & understanding of psychological concepts, theories, research studies, research methods & ethical issues Apply psychological knowledge & understanding in a range of contexts Analyse, interpret & evaluate psychological concepts theories, research studies & research methods			
Unconscious Id/Ego/Superego Repression/Denial/Displacement Hypnosis/Psychoanalysis/Dream analysis Oedipus Complex Self-actualisation Congruence Unconditional positive regard Client centred therapy Central nervous system Peripheral nervous system Fight or flight Adrenaline Neurotransmitters Electrical impulse Localisation/lateralisation	Key Questions Is Psychology a science? What are the main psychological approaches? How do these approaches compare? How do hormones and brain activity affect behaviour? How can we investigate the brain? Is the brain lateralised and/or localised in terms of functioning? Can the brain overcome trauma? Is the sleep/wake cycle controlled internally or	 Evaluate therapies & treatments including in terms of their appropriateness & effectiveness A01: Demonstrate knowledge & understanding of scientific ideas, processes, techniques & procedures A02: Apply knowledge & understanding of scientific ideas, processes, techniques & procedures: in a theoretical context in a practical context when handling qualitative data when handling quantitative data 			
Plasticity/Functional Recovery Brain scan/Post mortem Internal & external pacemakers Validity Reliability Experiments Observations Correlations Descriptive statistics/Inferential statistics Ethics	externally? What methods do psychologists use to investigate behaviour/the brain? How do psychologists ensure reliability and validity? How do psychologists analyse their findings? What ethical considerations must be made when planning and conducting psychological research? How should psychological research be written up?	 AO3: Analyse, interpret & evaluate scientific information, ideas & evidence, including in relation to issues, to: make judgements & reach conclusions develop & refine practical design & procedures 			