UNIT 3 PSYCHOLOGY INDEX

Area of Study 1: How Does the Nervous System Enable Psychological Functioning?

Area of Study 2: How Do People Learn and Remember

Key Skills

Nervous System Functioning Structure of the Nervous System

Central Nervous System (CNS)
The Brain
Structure of the Cerebral Cortex
The Brain and Nervous System
Human Nervous System: The Neuron
Types of Neurons
The Synapse

The Peripheral Nervous System
The 'Fight-Flight-Freeze' Response
Activities of the Sympathetic and Parasympathetic Nervous System
Branches of the Autonomic Nervous System and Bodily Functions

The Science Behind the Reflex Arc
The Role of Neurotransmitters
Excitatory Interneurons vs Inhibitory Interneurons

What is Parkinson's Disease?

What is Stress?
Sources of Stress
Post-Traumatic Stress Disorder
Physiological Response to Stress

The General Adaptation Syndrome
Relationship Between Stress and Disease
Stress Response
Psychological Response to Stress
Using Exercise as Stress Management
Stress and the Biopsychosocial Approach
Stress Management
Coping with Stress

Area of Study 2 How Do People Learn and Remember? Key Skills

The Neural Mechanisms and Pathways Involved in Memory and Learning

Neural Basis of Learning and Memory

A Closer Look at Neural Communication

Long-Term Potentiation **Hebbian Theory** Long-Term Depression The Processes of Memory Key Processes Involved in Memory Information Processing Model Role of the Neuron in Memory Formation Short-Term Memory Capacity and Duration Long-Term Memory Organisation of Long-Term Memory Semantic Network Theory Key Structures of the Brain Involved in Memory and Learning Neurohormones Role of Hippocampus in Memory Role of Amygdala in Memory Reliability of Memory **Consolidation Theory** Serial Position Effect Dementia Amnesia Alzheimer's Disease Manipulating Memory – Reconstructive Nature of Memory Loftus and Palmer (1975) Research Study Integrated Research Methods Types of Data How Participants Are Selected for a Study (Sampling)

Diagram of a Simple Experiment

The Quality of Research

Descriptive Statistic

Inferential Statistics

Introduction to Learning

Learning Curve

Areas of the Brain Involved in Learning

Neural Mechanisms of Learning

Models to Explain Learning

Classical Conditioning

Ethical Considerations in Psychological Research

Little Albert

Operant Conditioning

What is Punishment?

Comparison of Classical and Operant Conditioning

Observational Learning

Integrated Research Methods

Variables

Identifying Extraneous and Confounding Variables

Analysing the Data

Test of Significance

Drawing Conclusions and Generalisations