Open Your Class With This Tomorrow  
*The One World School House: Education Reimagined*

**Directions:** The Khan Academy does not have much in the way of lessons related to high school psychology, but there many psychology related lessons in the MCAT review sections of the website. The revised MCAT now includes many sections on psychology, which can also be helpful to the introductory psychology student. The links below will take you to the series of instructional videos on psychology which are followed by reading passages with questions. The short passages with questions would make a great opening to a class after students have read about these concepts in their textbooks or a great review as students prepare for exams. Students who need further clarification can watch the videos outside of class. Additionally many concepts related to biopsychology can be found in the lessons for human biology.

https://www.khanacademy.org/science/mcat/processing-the-environment

**Sensory Perception**
Perceptual organization
Sensory adaptation
Weber's law and thresholds
Somatosensation
Signal detection theory - part 1
Signal detection theory - part 2
Bottom-up vs. top-down processing
Gestalt principles
Sensory perception - Passage 1
Sensory perception - Passage 2

**Sight (Vision)**
The structure of the eye
Visual sensory information
The photo transduction cascade
Photoreceptors (rods vs. cones)
Photoreceptor distribution in the fovea
Visual field processing
Feature detection and parallel processing
Sight (vision) - Passage 1
Sight (vision) - Passage 2

**Sound (Audition)**
Auditory structure - part 1
Auditory structure - part 2
Auditory processing
Cochlear implants
Sound (audition) - Passage 1
Sound (audition) - Passage 2

**Somatosenation**
Somatosensation
Sensory adaptation and amplification
Somatosensory homunculus
Proprioception and kinesthesia
Pain and temperature
Somatosenation - Passage 1
Somatosenation - Passage 2

Books For Psychology Class
http://booksforpsychologyclass.weebly.com/
Taste (Gustation) and Smell (Olfaction)
Olfaction - structure and function
Pheromones
Gustation - structure and function
Taste (gustation) and smell (olfaction) - Passage 1
Taste (gustation) and smell (olfaction) - Passage 2

Cognition
Piaget's stages of cognitive development
Problem solving
Decision making
Semantic networks and spreading activation
Intelligence
Aging and cognitive abilities
Cognition - Passage 1
Cognition - Passage 2

Attention and Language
Divided attention, selective attention, inattentional blindness, & change blindness
Theories of selective attention
Theories of language and cognition
Theories of language development: Nativist, learning, interactionist
Language and the brain: Aphasia and split-brain patients
Attention and language - Passage 1
Attention and language - Passage 2

Sleep and Consciousness
States of consciousness
Sleep stages and circadian rhythms
Dreaming
Sleep disorders
Hypnosis and meditation
Sleep and consciousness – Passage 1
Sleep and consciousness - Passage 2

Memory
Information processing model: Sensory, working, and long term memory
Encoding strategies
Retrieval cues
Retrieval: Free recall, cued recall, and recognition
Memory reconstruction, source monitoring, and emotional memories
Long term potentiation and synaptic plasticity
Decay and interference
Aging and cognitive abilities
Alzheimer's disease and Korsakoff's syndrome
Memory - Passage 1
Memory - Passage 2
Emotion
Emotions: limbic system
Emotions: cerebral hemispheres and prefrontal cortex
Autonomic nervous system (ANS) and physiologic markers of emotion
Three components of emotion and the universal emotions
Theories of Emotion
Emotion - Passage 1
Emotion - Passage 2

https://www.khanacademy.org/science/mcat/behavior

Behavior and Genetics
Temperament, heredity, and genes
Twin and adoption studies
Heritability
Gene environment interaction
Regulatory genes
Adaptive value of behavioral traits
Behavior and genetics - Passage 1
Behavior and genetics - Passage 2

Biological Basis of Behavior: Endocrine system
Endocrine system and influence on behavior - Part 1
Endocrine system and influence on behavior - Part 2
Biological basis of behavior: Endocrine system - Passage 1
Biological basis of behavior: Endocrine system - Passage 2

Theories of Personality
Psychoanalytic theory
Maslow's hierarchy of needs
Humanistic theory
Biological theory
Behavioral theory
Trait theory
Observational learning: Bobo doll experiment and social cognitive theory
Theories of personality - Passage 1
Theories of personality - Passage 2

Motivation and Attitudes
Physiological concept of positive and negative feedback
Instincts, Arousal, Needs, Drives: Drive-Reduction and Cognitive Theories
Maslow's hierarchy of needs
Incentive theory
Biological and Sociocultural Factors Food, Sex, and Drugs
Components of attitudes
Attitude influences behavior
Behavior influences attitude
Cognitive dissonance
Situational approach
Motivations and attitudes - Passage 1
Motivations and attitudes - Passage 2

Books For Psychology Class
http://booksforpsychologyclass.weebly.com/
Social Psychology
Conformity and groupthink
Bystander effect
Social facilitation and social loafing
Social psychology - Passage 1
Social psychology - Passage 2

Normative and Non-normative Behavior
What is normal? Exploring folkways, mores, and taboos
Perspectives on deviance: Differential association, labeling theory, and strain theory
Aspects of Collective Behavior: Fads, Mass Hysteria, and Riots
Normative and non-normative behavior - Passage 1
Normative and non-normative behavior - Passage 2

Learning
Classical conditioning: Neutral, conditioned, and unconditioned stimuli and responses
Classical conditioning: Extinction, spontaneous recovery, generalization, discrimination
Operant conditioning: Positive-and-negative reinforcement and punishment
Operant conditioning: Shaping
Operant conditioning: Schedules of reinforcement
Operant conditioning: Innate vs. learned behaviors
Operant conditioning: Escape and avoidance learning
Observational learning: Bobo doll experiment and social cognitive theory
Learning - Passage 1
Learning - Passage 2

https://www.khanacademy.org/science/mcat/individuals-and-society

Self-Identity
Self concept, self identity, and social identity
Self esteem, self efficacy, and locus of control
Overview of theories of development
Freud's psychosexual development
Erikson's psychosocial development
Vygotsky sociocultural development
Kohlberg moral development
Social influences
Self-identity - Passage 1
Self-identity - Passage 2


Social Structures
Institutions
Conflict theory
Functionalism
Social constructionism
Symbolic interactionism
Social theories overview
Social structures - Passage 1
Social structures - Passage 2

**The Neuron and Nervous System**
Anatomy of a neuron
Sodium potassium pump
Correction to sodium and potassium pump video
Action potential
Saltatory conduction in neurons
Neuronal synapses