

高二 217 第二次定期評量考試科目及範圍

科目	範圍
中文 A	古詩十九首、撒哈拉的故事。 安排兩個節次(各 70 分鐘)考試。
英文 B	EA paper 1 & EA paper 2-focusing on the listening comprehension.
歷史	<ol style="list-style-type: none"> 1. The Sino-Japanese War 2. The Russo-Japanese War 3. The Treaty of Versailles 4. The Washington Naval Conference 5. The London Naval Conference
經濟學	<ol style="list-style-type: none"> 1. What is economics?. 2. The evolution of economic thinking 3. Demand 4. A closer look at demand: Elasticity of demand 5. Supply 6. A closer look at supply: Price elasticity of supply 7. Market equilibrium, the price mechanism and market efficiency
生物	<p>B2.1 Membrane & Membrane Transport</p> <ul style="list-style-type: none"> -Lipid bilayers as the basis of cell membranes -Lipid bilayers as barriers <p>Simple diffusion across membranes</p> <ul style="list-style-type: none"> -Integral and peripheral proteins in membranes -Movement of water molecules across membranes by osmosis and the role of aquaporins -Channel proteins for facilitated diffusion -Pump proteins for active transport Selectivity in membrane permeability -Structure and function of glycoproteins and glycolipids - Fluid mosaic model of membrane structure <p>(HL only)</p> <p>B2.1 Membrane & Membrane Transport</p> <ul style="list-style-type: none"> -Relationships between fatty acid composition of lipid bilayers and their fluidity -Cholesterol and membrane fluidity in animal cells (HL only) -Membrane fluidity and the fusion and formation of vesicles (HL only) -Gated ion channels in neurons (HL only) -Sodium-potassium pumps as an example of exchange transporters (HL only) -Sodium-dependent glucose cotransporters as an example of indirect active transport

	<p>(HL only)</p> <ul style="list-style-type: none"> -Adhesion of cells to form tissues (HL only) <p>D2.3 Water Potential</p> <ul style="list-style-type: none"> -Solvation with water as the solvent -Water movement from less concentrated to more concentrated solutions - Water movement by osmosis into or out of cells -Changes due to water movement in plant tissue bathed in hypotonic and hypertonic solutions -Effects of water movement on cells that lack a cell wall - Effects of water movement on cells with a cell wall -Medical applications of isotonic solutions
數學	<p>Mathematics core topics hl 1 haese mathematics</p> <p>Points in space</p> <p>Probability</p> <p>Sampling and data</p> <p>Statistics</p> <p>Quadratic functions</p>