

高二 第一次定期評量考試科目及範圍

科目	範圍	考試人數	登分教師
中文 A	—	14	林淑薰
英文 B	Paper 1 & Paper 2	16	賴欣倫
歷史	Chapter 1 (Introduction), Chapter 18 (conclusion), and Chapter 2 (Britain's Revolution) of our coursebook, The Industrial Revolution in World History	7	賴欣倫
經濟學	Chapter 13 The level of overall economic activity	9	賴欣倫
生物	<p>B 2.2 Organelles & compartmentalization</p> <ul style="list-style-type: none"> -Functional benefits of the double membrane of the nucleus (HL only) -Structure and function of free ribosomes and of the rough endoplasmic reticulum (HL only) -Structure and function of the Golgi apparatus (HL only) <p>A2.2 Cell Structure</p> <ul style="list-style-type: none"> • Origin of eukaryotic cells by endosymbiosis (HL only) • Cell differentiation as the process for developing specialized tissues in multicellular organisms (HL only) • Evolution of multicellularity (HL only) <p>B2.3 Cell Specialization</p> <ul style="list-style-type: none"> • Production of unspecialized cells following fertilization and their developments • Properties of stem cells • Location and function of stem cells niches in adult humans • Differences between totipotent, pluripotent, and multipotent stem cells • Cell Size as an Adaptation <p>B 2.3 Cell specialization</p> <ul style="list-style-type: none"> • Surface area to volume ratios • Adaptations to increase surface area to volume ratios (HL) • Adaptation of Type 1 and type 11 pneumocytes in the alveoli (HL) • Adaptation of Cardiac muscle cells and Striated muscle cells • Adaptation of the sperm and egg cells (HL) <p>C 1.3 Photosynthesis</p> <ul style="list-style-type: none"> • Transformation of light energy to chemical energy • Conversion of CO₂ to glucose in photosynthesis 	16	李智翰

	<ul style="list-style-type: none"> • Oxygen as a by product of photosynthesis in plants, algae and cyanobacteria • Absorption of specific wavelengths • Similarities and differences in action spectra by pigments <p>C 1.3 Photosynthesis</p> <ul style="list-style-type: none"> • Photosystems as arrays of pigment molecules • Advantages of the structured array of different types of pigments • Generation of oxygen by the photolysis of water in photosystem 11 • Reduction of NADP by photosystem 1 • Thylakoids as systems for performing Light dependent reactions • Carbon fixation by rubisco • Synthesis of triose phosphate • Regeneration of RuBP in the calvin cycle using ATP • Synthesis of carbohydrates amino acids and other carbon compounds • Interdependence by the light dependent and light independent reactions. 		
數學	<p>INTRODUCTION TO COMPLEX NUMBERS</p> <p>REAL POLYNOMIALS</p> <p>FURTHER FUNCTIONS</p> <p>COUNTING</p>	16	陳松輝