



IBSC International Bilingual School
at
Central Taiwan Science Park

國立中科實驗高級中學雙語部



Year 2022-23 Second Semester Midterm Exam Scope-Grade 9 to Grade 12& Electives

Subject	Grade 9	Grade 10	Grade 11	Grade 12
Language Arts	<input type="checkbox"/> Alternative Assessment Wordly Wise unit 6 - 7 Grammar Chapter 6: 6.1 - 6.13 The Rules of the Game story, worksheets and notes.	<input type="checkbox"/> Alternative Assessment My Perspectives: American Literature pp. 373-401; 502-586 Written Exam Multiple Choice & Short Response Literature questions Explanatory Essay	<input type="checkbox"/> writingAlternative Assessment My Perspectives: American Literature pp. 392-457 Written Exam Multiple Choice & Short Response literature questions Explanatory Essay	<input checked="" type="checkbox"/> Alternative Assessment Persuasive essay on the topic of <i>Macbeth</i>
Chinese	<input type="checkbox"/> Alternative Assessment L1.2.4 (4/17 提前考試)	<input type="checkbox"/> Alternative Assessment L2.3.7 (4/18 提前考試)	<input type="checkbox"/> Alternative Assessment L2.4 (4/17提前考試)	<input checked="" type="checkbox"/> Alternative Assessment 小論文撰寫(正文內容)
Math	<input type="checkbox"/> Alternative Assessment <ul style="list-style-type: none"> • Construction • Point of Concurrency: Incenter, Circumcenter, Orthocenter, Centroid • Angle Relation • Coordinate Proofs • Circle vs. Angles 	<input type="checkbox"/> Alternative Assessment Chapter 5 Chapter 7	<input type="checkbox"/> Alternative Assessment <ul style="list-style-type: none"> • Addition and Subtraction Formula • Double Angle Formula • Half Angle Formula • Trig Review: Formula, Relation, Inverse, Graph etc. • Vector: 2D, Dot Product, Projection 	<input type="checkbox"/> Alternative Assessment AP Statistics Unit 7 - 9
Science	<input type="checkbox"/> Alternative Assessment <ul style="list-style-type: none"> • Ch9 Manipulating DNA, restriction enzyme, restriction map, PCR, DNA fingerprinting • Ch10 Evolution, Darwin's observation, theory of natural selection • Ch11 genetic variation within population, natural selection in population • Ch12 the fossil record, origin of life, early single-cell organisms radiation of multicellular life 	<input type="checkbox"/> Alternative Assessment <ol style="list-style-type: none"> 1. Kinematic-position, displacement, velocity, and acceleration. 2. Mass and weight. 3. Newton's laws of motion 4. Momentum and Impulse 5. Collision 	<input type="checkbox"/> Alternative Assessment TOPIC: KINETICS 5.9 Steady-State Approximation 5.10 Multistep Reaction Energy Profile 5.11 Catalysis	



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Subject	Grade 9	Grade 10	Grade 11	Grade 12
			<p>TOPIC: Thermodynamics</p> <p>6.1 Endothermic and Exothermic Processes</p> <p>6.2 Energy Diagrams</p> <p>6.3 Heat Transfer and Thermal Equilibrium</p> <p>6.4 Heat Capacity and Calorimetry</p> <p>6.5 Energy of Phase Changes</p> <p>6.6 Introduction to Enthalpy of Reaction</p> <p>6.7 Bond Enthalpies</p> <p>6.8 Enthalpy of Formation</p> <p>6.9 Hess's Law</p> <p>TOPIC: Equilibrium</p> <p>7.1 Introduction to Equilibrium</p> <p>7.2 Direction of Reversible Reactions</p> <p>7.3 Reaction Quotient and Equilibrium Constant</p> <p>7.4 Calculating the Equilibrium Constant</p> <p>7.5 Magnitude of the Equilibrium Constant</p> <p>7.6 Properties of the Equilibrium Constant</p> <p>7.7 Calculating Equilibrium Concentrations</p> <p>7.8 Representations of Equilibrium</p> <p>7.9 Introduction to Le Châtelier's Principle</p> <p>7.10 Reaction Quotient and Le Châtelier's</p>	



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Subject	Grade 9	Grade 10	Grade 11	Grade 12
			Principle	
Social Studies	<input type="checkbox"/> Alternative Assessment Empires in India and China Eastern Europe	<input type="checkbox"/> Alternative Assessment Caribbean Revolutions East Asia to 1900	<input type="checkbox"/> Alternative Assessment Wild Wild West	<input type="checkbox"/> Alternative Assessment Social Stratification

Year 2021-22 Second Semester Midterm Exam Scope- Grade 9 to Grade 12 Elective Courses

Course	Content	Course	Content
AP Calculus AB	<input type="checkbox"/> Alternative Assessment <ul style="list-style-type: none"> Modeling Situations with Differential Equations Sketching Slope Fields Finding Solutions Using Separation of Variables Finding the Average Value of a Function Finding Area Between Curves Finding Volumes 	AP Computer Science	<input checked="" type="checkbox"/> Alternative Assessment <ul style="list-style-type: none"> Report for Unit7 ArrayLists
AP Biology	<input type="checkbox"/> Alternative Assessment <ul style="list-style-type: none"> Ch9 Manipulating DNA, restriction enzyme, restriction map, PCR, DNA fingerprinting Ch10 Evolution, Darwin's observation, theory of natural selection Ch11 genetic variation within population, natural selection in population Ch12 the fossil record, origin of life, early single-cell organisms radiation of multicellular life AP exam: Gene expression and regulation, Natural selection, Ecology 	AP Physics 1	<input type="checkbox"/> Alternative Assessment <ul style="list-style-type: none"> Unit 5: Magnetism and Electromagnetic Induction Unit 6: Geometric and Physical Optics Unit 7.1: Radioactive Decay



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<p>Comedic Theatre</p>	<p><input checked="" type="checkbox"/> Alternative Assessment For actors, all of Act 1 memorized and performed with blocking.</p> <p>For tech crew, produce a formal plan for your responsibilities (props, sets, lighting, stage/house management).</p>		
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