

SYLLABUS-ALIGNED READINESS CHECKLIST · 2026 PREPPALS EDITION

CSCA Master Syllabus & Topic Readiness Checklist

China Scholastic Competency Assessment (CSCA) · Complete 5-Subject Modular Scope, Topics & Verification Tracker

[Student Instructions & Verification Guidelines]

- 1. This document is developed based on publicly available CSCA syllabus information, covering major examination domains and PrepPals-developed preparation focus areas;
- 2. Mark [✓] in the check column once you master the topic consistently achieve >80% accuracy in practice questions and mock exams;
- 3. Record your readiness in the Status column: [Mastered] / [Need Practice]; and write down key formulas or error reflections;
- 4. Strict calculator ban applies to Math, Physics & Chemistry (60 min / 48 Qs). Train mental math & full step derivations.

1. CSCA Examination Framework & Testing Architecture

Subject Name	Language	Duration	Questions & Format	Max Score	Calculator Policy	Primary Academic Focus
Mathematics	EN / ZH	60 mins	48 Multiple-Choice Qs	100 pts	Calculators Strictly Banned	Functions, calculus derivatives, analytic geometry elimination, sequences
Physics	EN / ZH	60 mins	48 Multiple-Choice Qs	100 pts	Calculators Strictly Banned	Free-body force diagrams, Newton laws, momentum, EM force & thermodynamic signs
Chemistry	EN / ZH	60 mins	48 Multiple-Choice Qs	100 pts	Calculators Strictly Banned	Balanced stoichiometry, mole calculations, equilibrium shift, lab prose
Professional Chinese: STEM	ZH Only	90 mins	80 Multiple-Choice Qs	100 pts	Dictionaries Strictly Banned	Academic terminology, science vocabulary, lab reports & dense technical prose
Professional Chinese: Humanities	ZH Only	90 mins	80 Multiple-Choice Qs	100 pts	Dictionaries Strictly Banned	Humanities vocabulary, argumentative rhetoric, logic chains & literature analysis

2. Mathematics Checklist & Modular Scope

[PrepPals Note & Common Pitfalls]

CSCA Mathematics comprises 48 multiple-choice questions in 60 minutes. Calculators are strictly prohibited! Focus on rapid manual mental arithmetic. Conic section substitutions require rigorous algebra, calculus derivatives require careful chain rule application, and geometric sequence sums require checking $q=1$.

Audit	Module	Knowledge Point	Detailed Scope & Preparation Focus	Status	Notes / Error Reflection
[]	Module 1: Sets & Inequalities	Sets & Basic Operations	Set concepts, element uniqueness, roster and set-builder notation; subsets, proper subsets, universal sets, empty set; union, intersection, complement; Venn diagram problem solving.	[] Ready [] Practice	
[]		Inequalities & AM-GM Theorem	Quadratic inequalities and parabolic root relations; rational inequalities and sign charts; absolute value inequalities $ x-a <b$; Arithmetic-Geometric Mean inequality $a+b \geq 2\sqrt{ab}$ with equality conditions.	[] Ready [] Practice	
[]		Basic Mathematical Logic	Propositions and truth values; necessary, sufficient, and biconditional relations; universal and existential quantifiers; logical negation of compound statements.	[] Ready [] Practice	
[]	Module 2: Functions & Introductory Calculus	Function Concepts & Properties	Function mappings; domain calculation (non-zero denominators, non-negative radicals, positive logarithms); range evaluation; monotonicity; parity (symmetric domain) & symmetry; inverse and piecewise functions.	[] Ready [] Practice	
[]		Elementary Functions	Exponent laws and exponential function properties $y=a^x$; logarithm rules, change-of-base, logarithmic functions $y=\log_a(x)$; power functions; exponential/logarithmic inequalities.	[] Ready [] Practice	
[]		Trigonometric Functions & Identities	Radian measure and unit circle definitions; fundamental Pythagorean identities; reduction formulas (odd/even, quadrant signs); sum/difference and double-angle formulas; sinusoidal function $y=A\sin(\omega x+\phi)$; sine and cosine laws in triangles.	[] Ready [] Practice	
[]		Sequences (Arithmetic & Geometric)	Arithmetic sequences $a_n=a_1+(n-1)d$ and sum S_n ; geometric sequences and sum formulas (discuss $q=1$ condition); recurrence relation techniques (telescoping, sum by differences).	[] Ready [] Practice	
[]		Derivatives & Extrema Applications	Geometric meaning (tangent slope); common derivative rules (sum, product, quotient); chain rule for composite functions; first derivative test for intervals of increase/decrease and	[] Ready [] Practice	

			local/global extrema; intermediate value theorem.		
[]	Module 3: Geometry & Algebra	Plane Analytic Geometry: Lines & Circles	Slope and inclination; 5 linear equation forms; parallel and perpendicular slope relations; distance between points and point-to-line distance; standard and general circle equations; line-circle intersections and chord lengths.	[] Ready [] Practice	
[]		Conic Sections (Basics)	Definitions, standard equations, and focal properties of ellipses (eccentricity $e < 1$); hyperbolas and asymptotes; parabolas and directrices; line-conic intersection substitution and Vieta theorem applications.	[] Ready [] Practice	
[]		Plane Vectors & Complex Numbers	Vector addition/subtraction and geometric meaning; coordinate vector algebra; dot product, magnitude, and angle formula; collinearity and orthogonality tests; complex number algebra $z = a + bi$, modulus, and conjugates.	[] Ready [] Practice	
[]		Solid Geometry & Spatial Measurement	3D Cartesian coordinate system; surface area and volume of prisms, pyramids, cylinders, cones, and spheres; line-plane and plane-plane parallel and perpendicular theorems; spatial angles and distance.	[] Ready [] Practice	
[]	Module 4: Probability & Statistics	Counting Principles & Permutations	Fundamental addition and multiplication principles; permutation $A(n,m)$ and combination $C(n,m)$ formulas; modeling real-world arrangements; Binomial Theorem expansion $T_{r+1} = C(n,r) a^{n-r} b^r$.	[] Ready [] Practice	
[]		Probability & Random Events	Random, certain, and impossible events; classical probability definition and event calculations; addition rule for mutually exclusive events; multiplication rule for independent events; conditional probability basics.	[] Ready [] Practice	
[]		Data Characteristics & Statistics	Frequency distribution histograms; sample mean, median, mode; sample variance and standard deviation formulas; sampling methods (simple random, stratified).	[] Ready [] Practice	
[]		Normal Distribution Fundamentals	Normal distribution bell curve characteristics and symmetry; statistical meaning of parameters μ (mean) and σ (standard deviation); 3σ rule probability estimation (68.26%, 95.44%, 99.74%).	[] Ready [] Practice	

3. Physics Checklist & Modular Scope

[PrepPals Note & Common Pitfalls]

CSCA Physics comprises 48 questions in 60 minutes. Calculators are strictly prohibited!
Master isolated free-body force diagrams; strictly verify sign conventions in thermodynamics $\Delta U = W + Q$;
distinguish left-hand rule (motor force) from right-hand rule (induced current).

Audit	Module	Knowledge Point	Detailed Scope & Preparation Focus	Status	Notes / Error Reflection
[]	Module 1: Mechanics	Kinematics Concepts & Motion Graphs	Reference frames, displacement vs distance, velocity, acceleration; linear motion equations with constant acceleration; free fall and vertical projection; x-t and v-t graph slopes and areas; projectile horizontal and vertical decomposition.	[] Ready [] Practice	
[]		Interactions & Newton's Laws	Gravity and center of mass; Hooke's law; static and kinetic friction; vector force resolution (parallelogram rule, orthogonal components); Newton's three laws; isolated free-body force analysis.	[] Ready [] Practice	
[]		Momentum & Energy Conservation	Impulse $I = Ft$ and momentum $p = mv$; impulse-momentum theorem; conservation of linear momentum in elastic and inelastic collisions; work $W = F \cos \theta$; average and instantaneous power $P = Fv$; work-energy theorem; conservation of mechanical energy.	[] Ready [] Practice	
[]		Circular Motion & Universal Gravitation	Linear velocity, angular velocity, period; centripetal acceleration $a = v^2/r = \omega^2 r$ and centripetal forces; Kepler's laws; Newton's law of gravitation $F = G(Mm)/r^2$; first cosmic velocity; orbital comparisons for geostationary satellites.	[] Ready [] Practice	
[]		Mechanical Vibrations & Waves	Simple harmonic motion, restoring force $F = -kx$; simple pendulum period $T = 2\pi\sqrt{L/g}$; SHM x-t graph; transverse and longitudinal waves; wave speed $v = \lambda f$; wave interference and diffraction conditions.	[] Ready [] Practice	
[]	Module 2: Electromagnetism	Electrostatic Fields & Potentials	Charge conservation and elementary charge; Coulomb's inverse-square law; electric field strength $E = F/q$; electric potential, potential energy, voltage $U = Ed$; capacitance $C = Q/U$ and parallel-plate capacitors; charged particle deflection in uniform fields.	[] Ready [] Practice	
[]		Direct Current & Circuit Analysis	Current definition $I = q/t$; Ohm's law; closed-circuit Ohm's law $E = I(R+r)$ and terminal voltage vs current U-I graphs; series and parallel combinations; electric power and	[] Ready [] Practice	

			Joule's law $Q = I^2 R t$.		
[]		Magnetic Fields & Lorentz Forces	Magnetic flux density B and magnetic field lines; Ampere force $F = BIL \sin \theta$ (left-hand rule); Lorentz force on moving charges $f = qvB \sin \theta$ (left-hand rule); circular trajectory radius $r = mv/qB$ and period $T = 2\pi m/qB$; mass spectrometer principles.	[] Ready [] Practice	
[]		Electromagnetic Induction & AC	Magnetic flux $\Phi = BS \cos \theta$; Faraday's law of induction $E = n \Delta \Phi / \Delta t$; motional EMF $E = BLv$; Lenz's law; self-induction; sinusoidal alternating current root-mean-square (RMS) values; ideal transformer equations.	[] Ready [] Practice	
[]		Kinetic Theory & Internal Energy	Molecular kinetic theory assumptions; Brownian motion explanation; microscopic meaning of temperature; internal energy components and state variables.	[] Ready [] Practice	
[]	Module 3: Thermodynamics	Ideal Gas Law & Thermodynamic Processes	Boyle's, Charles's, and Gay-Lussac's laws; ideal gas equation $pV = nRT$ and state transitions on p - V and p - T diagrams.	[] Ready [] Practice	
[]		First Law of Thermodynamics & Entropy	First law expression $\Delta U = W + Q$ with strict sign conventions (work on system $W > 0$, heat absorbed $Q > 0$, internal energy increase $\Delta U > 0$); second law of thermodynamics and entropy directionality.	[] Ready [] Practice	
[]	Module 4: Optics & Waves	Geometric Optics	Rectilinear propagation; reflection laws and plane mirror imaging; refraction law $n = \sin(i)/\sin(r)$; refractive index and speed of light $n = c/v$; total internal reflection and critical angle $\sin(C) = 1/n$; optical fibers and dispersion.	[] Ready [] Practice	
[]		Wave Optics (Physical Optics)	Light interference and coherent sources; Young's double-slit experiment and fringe width $\Delta x = L \lambda / d$; thin-film interference; diffraction (single-slit, circular aperture); light polarization and transverse wave verification.	[] Ready [] Practice	
[]	Module 5: Modern Physics	Photoelectric Effect & Photons	Experimental observations (threshold frequency, instantaneous emission, saturation current); Einstein's photoelectric equation $E_k = h\nu - W_0$; stopping potential $eU_c = E_k$; wave-particle duality; de Broglie wavelength $\lambda = h/p$.	[] Ready [] Practice	
[]		Atomic Structure & Nuclear Reactions	Rutherford alpha scattering and nuclear atom model; Bohr hydrogen atom model and energy level transitions $h\nu = E_m - E_n$; nuclear composition (protons, neutrons), isotopes; alpha, beta, gamma	[] Ready [] Practice	

			radioactive decay; mass-energy equation $\Delta E = \Delta mc^2$.		
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4. Chemistry Checklist & Modular Scope

[PrepPals Note & Common Pitfalls]

CSCA Chemistry comprises 48 questions in 60 minutes. Calculators are strictly prohibited! Ensure precision in molar calculations and gas STP conversions. Chemical equations must be fully balanced with reaction conditions and state symbols. Qualitative analysis requires clear operation-observation-conclusion reasoning.

Audit	Module	Knowledge Point	Detailed Scope & Preparation Focus	Status	Notes / Error Reflection
[]	Module 1: Chemical Principles & Calculations	Classification & States of Matter	Pure substances vs mixtures; elements, oxides, acids, bases, salts; colloids, solutions, suspensions; Tyndall effect; endothermic and exothermic phase changes.	[] Ready [] Practice	
[]		Chemical Formulae & Equations	Element symbols and names (first 20 elements); Lewis dot structures, structural formulas; valence rules; balancing chemical equations; net ionic equations (dissociating strong electrolytes, preserving precipitates, gases, water).	[] Ready [] Practice	
[]		Moles & Stoichiometric Calculations	Amount of substance n , molar mass M , mass m ($n=m/M$); Avogadro's constant N_A calculations; molar volume of gas $V_m=22.4$ L/mol (STP 0°C, 101 kPa); molarity $c=n/V$ and dilution formula $c_1V_1=c_2V_2$.	[] Ready [] Practice	
[]		Solution Concentrations & pH	Ion product of water $K_w=1.0 \times 10^{-14}$ (25°C); $c(H^+)$ and $c(OH^-)$ interconversions; pH definition $pH = -\log c(H^+)$; acid-base neutralization titration and pH of mixed solutions.	[] Ready [] Practice	
[]		Ideal Gas Law in Chemistry	Application of $pV=nRT$ in determining gas volumes, molar masses, and gas density $\rho=pM/RT$ across varying temperature and pressure conditions.	[] Ready [] Practice	
[]	Module 2: Substance Properties & Reactions	Inorganic Properties & Reactions	Common metals (Na, Al, Fe, Cu) and their compounds; amphoteric properties of aluminum and its oxide/hydroxide; non-metals (C, N, S, Cl) and reaction pathways (nitrogen cycle, sulfur dioxide bleaching/reduction).	[] Ready [] Practice	
[]		Organic Chemistry Fundamentals	Organic structures and structural isomerism (chain, positional, functional); alkane substitution; alkene addition and polymerization; benzene aromaticity; functional group properties (ethanol oxidation, acetic acid esterification).	[] Ready [] Practice	
[]		Redox Reaction Principles	Oxidizing agents, reducing agents, oxidation numbers; electron transfer	[] Ready []	

			conservation; relative strength of oxidizing/reducing agents; balancing redox equations via electron-transfer and half-reaction methods.	Practice	
[]		Ionic Reactions & Qualitative Analysis	Ionic reaction conditions (formation of precipitates, gases, weak electrolytes); ion coexistence criteria; qualitative chemical identification of common cations (Fe^{3+} , Fe^{2+} , Cu^{2+} , NH_4^+ , Al^{3+}) and anions (Cl^- , SO_4^{2-} , CO_3^{2-} , NO_3^-).	[] Ready [] Practice	
[]	Module 3: Chemical Theories & Periodicity	Atomic Structure & Periodic Table	Atomic numbers, protons, neutrons, mass numbers; electron configuration rules (first 20 elements); periodic table periods and groups; periodic trends in metallic/non-metallic character, atomic radii, ionization energies, electronegativity.	[] Ready [] Practice	
[]		Chemical Bonds & Intermolecular Forces	Ionic bond formation and crystal lattices; covalent bonds (polar/non-polar, σ and π bonds); van der Waals forces and hydrogen bonding; anomalous boiling/melting points due to hydrogen bonds (H_2O , HF , NH_3).	[] Ready [] Practice	
[]		Reaction Rates & Equilibrium	Reaction rate $v = \Delta c / \Delta t$ and influencing factors (concentration, temperature, pressure, catalysts); dynamic equilibrium criteria; equilibrium constant K expressions; Le Chatelier's principle and industrial condition optimization.	[] Ready [] Practice	
[]		Electrolyte Solutions & Electrochemistry	Strong vs weak electrolytes; ionization constants K_a , K_b ; salt hydrolysis principles; galvanic cell operation and electrode reactions; electrolytic cells and electrolysis applications.	[] Ready [] Practice	
[]	Module 4: Experimental Chemistry & Applications	Laboratory Safety & Apparatus	Recognition and handling of volumetric flasks, burettes, separatory funnels; hazard symbols; safety protocols (preventing back-siphonage, waste disposal); emergency first aid.	[] Ready [] Practice	
[]		Gas Preparation & Purification	Laboratory preparation and reaction apparatus for H_2 , O_2 , CO_2 , Cl_2 , NH_3 , SO_2 ; gas washing and drying; collection methods (water displacement, upward/downward air displacement); tail-gas treatment.	[] Ready [] Practice	
[]		Separation & Purification Operations	Physical separation methods: filtration, evaporation, crystallization, recrystallization, distillation, solvent extraction; fractional distillation; purification principles.	[] Ready [] Practice	
[]		Chemical Processes & Quantitative Analysis	Industrial Haber ammonia synthesis, chlor-alkali process, contact process for sulfuric acid; acid-base titration procedures, indicator selection	[] Ready [] Practice	

		(phenolphthalein, methyl orange), and error analysis.		
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5. Professional Chinese: STEM Checklist

[PrepPals Note & Common Pitfalls]

CSCA Professional Chinese: STEM comprises 80 questions in 90 minutes. Dictionaries are strictly prohibited! Tailored for undergraduate science and engineering studies, assessing academic characters, formula syntax, lab protocols, and dense technical paper comprehension.

Audit	Module	Knowledge Point	Detailed Scope & Preparation Focus	Status	Notes / Error Reflection
[]	Task 1: Academic Characters (识解汉字)	Homophonic & Morphological Characters	Distinguish similar science radicals and character components (e.g. 溶 vs 熔 vs 镨; 反应 vs 反映; 电荷 vs 电核).	[] Ready [] Practice	
[]		Scientific Terminology Characters	Identify high-frequency technical characters (e.g. 焯, 焓, 钷, 矢, 萃, 馏, 炅, 醛).	[] Ready [] Practice	
[]	Task 2: Academic Vocabulary (选词填空)	Technical Terms & Units Collocations	Standard Chinese expressions for physical quantities and units (Volt, Newton, Joule, Mole, Pascal); technical verb-noun pairings (测定常数, 推导方程, 验证假说).	[] Ready [] Practice	
[]		Academic Connectives & Adverbs	Precise selection of formal transitional terms for cause, progression, concession (基于, 鉴于, 从而, 进而, 势必, 尽管.....仍.....).	[] Ready [] Practice	
[]	Task 3: Nuance Differentiation (辨析词语)	Academic vs Conversational Concepts	Distinguish subtle conceptual boundaries (e.g. 精度 vs 准度; 定律 vs 定则; 现象 vs 本质; 守恒 vs 恒定).	[] Ready [] Practice	
[]		Contextual Semantic Appropriateness	Evaluate lexical rigor and precision within science literature excerpts.	[] Ready [] Practice	
[]	Task 4: Paragraph Construction (选词成段)	Experimental & Logical Sequencing	Order scrambled laboratory procedures, mathematical proofs, or theoretical deductions into coherent, logically sequential paragraphs.	[] Ready [] Practice	
[]		Topic Sentence & Data Support	Align overarching scientific claims with experimental data and logical evidence.	[] Ready [] Practice	
[]	Task 5: Sentence Completion (补全语句)	Scientific Deduction Completion	Select logically necessary conclusions or conditional clauses following mathematical proofs or experimental observations.	[] Ready [] Practice	
[]		Rigorously Qualified Definitions	Complete limiting conditions for physical and chemical laws (e.g. '在理想状态下', '在闭合回路中').	[] Ready [] Practice	
[]	Task 6: Reading	Undergraduate STEM Textbook	Extract key definitions, formulas, and conceptual logic from dense physics,	[] Ready []	

	Comprehension (阅读理解)	Passages	calculus, and chemistry textbook excerpts.	Practice	
[]		Lab Reports & Technical Papers	Understand experimental objectives, control variables, quantitative data charts, and conclude scientific findings.	[] Ready [] Practice	
[]	Assessment Topic Areas (考试话题)	Topic 1: Fundamental Mathematical Concepts	Mathematical symbols, formula syntax, physical laws, chemical equations, measurement units.	[] Ready [] Practice	
[]		Topic 2: Specialized Undergraduate Subjects	Foundational concepts from higher mathematics, college physics, fundamental chemistry, and computer programming terminology.	[] Ready [] Practice	
[]		Topic 3: Academic Application Scenarios	Lab procedural protocols, data charts & trends, scientific papers, technical classroom lectures and discussions.	[] Ready [] Practice	

6. Professional Chinese: Humanities Checklist

[PrepPals Note & Common Pitfalls]

CSCA Professional Chinese: Humanities comprises 80 questions in 90 minutes. Dictionaries are strictly prohibited!
Assesses comprehension of complex argumentative texts, scholarly syntax, abstract terminology, and nuanced essay logic in top Chinese universities.

Audit	Module	Knowledge Point	Detailed Scope & Preparation Focus	Status	Notes / Error Reflection
[]	Task 1: Humanities Characters (识解汉字)	Humanities & Social Science Characters	Identify high-frequency academic characters across philosophy, law, history, literature; discern polyphonic and polysemous readings in scholarly contexts.	[] Ready [] Practice	
[]		Idioms & Classical Allusions	Recognize formal idioms, conventional academic pairings, and specialized institutional terminology.	[] Ready [] Practice	
[]	Task 2: Lexical Precision (选词填空)	Abstract Concept & Terminology Choice	Select exact terms in philosophical discourse, legal texts, and social science theory (e.g. 异化, 建构, 维度, 权衡, 博弈).	[] Ready [] Practice	
[]		Complex Sentence Connectives	Master correlative pairs expressing concession, transition, condition, hypothesis (e.g. 宁可……也不……; 与其……不如……).	[] Ready [] Practice	
[]	Task 3: Nuance Differentiation (辨析词语)	Scholarly Semantic Nuance	Distinguish subtle conceptual boundaries (e.g. 阐述 vs 阐发; 演变 vs 蜕变; 主观 vs 偏见; 考证 vs 考据).	[] Ready [] Practice	
[]		Formal Register & Stylistics	Differentiate academic prose, legal discourse, and informal argumentative writing.	[] Ready [] Practice	
[]	Task 4: Argument Flow (选词成段)	Rhetorical & Deductive Structuring	Reorder sentences following standard academic thesis-argument-counterargument-conclusion structures.	[] Ready [] Practice	
[]		Scholarly Citation & Transitions	Embed transitional phrases and textual citations smoothly within argumentative passages.	[] Ready [] Practice	
[]	Task 5: Rhetorical Completion (补全语句)	Thesis & Topic Sentence Completion	Synthesize multifaceted arguments into a concise concluding or topic sentence.	[] Ready [] Practice	
[]		Dialectical & Conditional Deduction	Supply necessary counter-evidence or theoretical preconditions in rhetorical argumentation.	[] Ready [] Practice	
[]	Task 6: Discursive	Scholarly Treatises	Read dense 800-1200 character	[] Ready	

	Literature (阅读理解)	& Monograph Excerpts	humanities essays; extract main thesis, evidentiary support, and authorial viewpoint.	[] Practice	
[]		Interdisciplinary Societal Analysis	Analyze complex sociocultural phenomena using historical, philosophical, or legal perspectives.	[] Ready [] Practice	
[]	Assessment Fields & Disciplines (涵盖学科)	Academic Scope & Faculty Coverage	Chinese language & literature, philosophy, law, politics, education, sociology, history, journalism & communication, arts theory, economics.	[] Ready [] Practice	

7. Mock Exam Diagnostic Log & 14-Day Revision Schedule

[Mock Test & Targeted Remediation Instructions]

Complete at least 3 full-length timed mock tests under strict exam conditions (60 mins for STEM, 90 mins for Chinese). Review every incorrect question, diagnose weak modules, and log corrective action items below.

1. CSCA Full-Length Mock Exam Diagnostic Log

Round	Date	Subject	Time Used	Score / 100	Weak Modules & Error Topics	Targeted Corrective Action Plan
Mock 1	MM/DD	Math / Phys / Chem / Chinese	____ mins	____ / 100		
Mock 2	MM/DD	Math / Phys / Chem / Chinese	____ mins	____ / 100		
Mock 3	MM/DD	Math / Phys / Chem / Chinese	____ mins	____ / 100		
Final Mock	MM/DD	Math / Phys / Chem / Chinese	____ mins	____ / 100		

2. Final 14-Day Strategic Revision & Audit Calendar

Phase	Countdown	Core Daily Objectives	Priority Focus Topics	Audit Check
Phase 1: Syllabus Blindspots	D-14 to D-10	Systematically audit this checklist to eliminate any unmarked knowledge blindspots	Conic substitution, thermodynamic signs, chemistry stoichiometry	[] Done
Phase 2: Timed Mock Sprint	D-09 to D-05	Execute timed full-length practice exams and PrepPals mock papers to maximize manual calculation speed	Multiple-choice elimination, force diagrams, ionic equations	[] Done
Phase 3: Error Loop Closure	D-04 to D-02	Review all past errors and memorize examiner pitfall warnings and definitions	Calculus chain rule, optics critical angle, stoichiometry formatting	[] Done
Phase 4: Exam Readiness	D-01 to Exam	Review essential formula cards, verify examination admission tickets and identification	Maintain calm focus and adhere to testing center rules	[] Ready