# 2023/24 ANNUAL TEACHING PLANS: PHYSICAL SCIENCES: GRADE 12 (TERM 1)

## **SBA GUIDELINES**

## Practical work:

- Learners do TWO experiments (ONE Chemistry, ONE Physics) for SBA. Choose these experiments from this ATP
- Term 1: Choose ONE experiment. Record in term one
- Term 2 OR term 3: Choose ONE experiment. Record the mark in term 3



TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10-11
CAPS TOPICS	MECHANICS: Momentum & impulse (2 hrs)	MECHANICS: Momentum & impulse (4 hrs)	MECHANICS: Momentum & impulse (4 hrs)	MECHANICS: Vertical projectile motion (4 hrs)	MECHANICS: Vertical projectile motion (4 hrs)	MATTER & MATERIALS: Organic molecules (4 hrs)	MATTER & MATERIALS: Organic molecules (4 hrs)	MATTER & MATERIALS: Organic molecules (4 hrs)	MATTER & MATERIALS: Organic molecules (4 hrs)	Consolidation of term 1 (2 hrs) CONTROL TEST (2 hrs) Discussion and remedial work on test (2hrs)
TOPICS, CONCEPTS, SKILLS AND VALUES	<ul> <li>Define &amp; calculate the momentum of a moving object:         p = mv</li> <li>Describe the vector nature of momentum &amp; draw vector diagrams</li> <li>State Newton's second law in terms of momentum:         F<sub>net</sub>= \(\frac{\Delta p}{\Delta t}\)         Calculate the change in momentum when a resultant force acts on an object</li> </ul>	<ul> <li>Define impulse         <ul> <li>Use the impulse-momentum theorem (Fnet∆t = m∆v) in calculations for a variety of situations (one dimension)</li> <li>Impulse and safety considerations</li> </ul> </li> <li>State the principle of conservation of linear momentum</li> <li>Explain what is meant by an isolated system, internal and external forces</li> </ul>	Apply conservation of momentum to collisions of two objects (one dimension)     Distinguish between elastic and inelastic collisions by calculation	Explain what is meant by a projectile     Use equations of motion to determine the position, velocity, and displacement of a projectile at any given time     Sketch x vs t, v vs t and a vs t graph for a free falling object, an object thrown vertically upwards, object thrown vertically downwards & bouncing objects     Give equations for position versus time and velocity versus time for the graphs of 1D projectile motion	For given x vs t, v vs t or a vs t graphs, determine position, displacement and velocity or acceleration at any time t     For given x vs t, v vs t or a vs t graphs, describe the motion of an object bouncing, thrown vertically upwards & thrown vertically downward and so on	Define organic molecules, functional group, hydrocarbon, homologous series, saturated, unsaturated, and structural isomer     Write condensed, structural & molecular formulae (max 8 C atoms, 1 functional group per molecule) for alkanes (no rings), alkenes (no rings), alkynes, alcohols, halo alkanes (no rings), carboxylic acids, aldehydes, ketones, esters     Write IUPAC names for structural, condensed structural formulae for compounds from above series	Write IUPAC names from structural or condensed structural formulae for compounds listed (one functional group per molecule, max two functional groups for haloalkanes)     Identify alkyl substituents (methyland ethyl-), max THREE alkyl substituents     Identify compounds that are saturated, unsaturated, structural isomers (chain, positional, functional)     Physical properties: boiling point, melting point, vapour pressure	Relationship between physical properties and strength of IMF, type of functional group, chain length and branching Combustion of alkanes in excess oxygen and use as fuels Equation & reaction conditions for the formation of an ester and IUPAC names for reactant and products Classify reactions as elimination, addition, or substitution Equations and reaction conditions for addition reactions of alkenes	Equations and reaction conditions for elimination reactions: dehydrohalogenation of haloalkanes, cracking of alkanes, dehydration of alcohols     Equations and reaction conditions for substitution reactions: hydrolysis of halo alkanes, halogenation of alkanes	Revision (2 hours)  ONE PAPER (100 marks - 2 hours)  50 marks - Physics  Newton's laws of motion  Momentum and impulse  Vertical projectile motion  50 marks - Chemistry  Organic molecules  Discussion and remedial work of control test
REQUISITE PRE- KNOWLEDGE	Newton's laws of motion	Newton's laws of motion Equations of motion	Momentum Equations of motion	Equations of motion	Equations of motion	Chemical bonding Valency	Intermolecular forces	IUPAC naming, writing different formulae	IUPAC naming, writing different formulae	
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	<ul> <li>Mind the Gap</li> <li>Study guides</li> <li>YouTube &amp; Mindset videos</li> <li>PhET simulations</li> <li>Previous question papers</li> </ul>	Mind the Gap     Study guides     YouTube & Mindset videos     PhET simulations     Previous question papers	<ul> <li>Apparatus:         Conservation of         momentum</li> <li>Mind the Gap</li> <li>Study guides</li> <li>YouTube &amp; Mindset         videos</li> <li>PhET simulations</li> <li>Previous question         papers</li> </ul>	Apparatus for experiment below     Mind the Gap     Study guides     YouTube & Mindset videos     PhET simulations     Previous question papers	Mind the Gap     Study guides     YouTube & Mindset videos     PhET simulations     Previous question papers	Mind the Gap     Study guides     YouTube & Mindset videos     Previous question papers	Mind the Gap     Study guides     YouTube & Mindset videos     Previous question papers	<ul> <li>Apparatus: Chemicals and apparatus for experiment below</li> <li>Mind the Gap</li> <li>Study guides</li> <li>YouTube &amp; Mindset videos</li> <li>Previous question papers</li> </ul>	<ul> <li>Mind the Gap</li> <li>Study guides</li> <li>YouTube &amp; Mindset videos</li> <li>Previous question papers</li> </ul>	

## 2023/24 ANNUAL TEACHING PLANS: PHYSICAL SCIENCES: GRADE 12

TERM	<i>I</i> 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10-11
LN:	INFORMAL ASSESSMENT: REMEDIATION	Homework	Homework	Homework     Informal test	Homework	Homework     Informal test	Homework	Homework     Informal test	Homework	Homework     Informal test	
ASSESSME	SBA (FORMAL) CHOOSE ONE EXPERIMENT	None	None	Formal practical (Physics): Conservation of linear momentum	Formal practical (Physics): Determine the acceleration due to gravity	None	None	None	Formal practical: (Chemistry) Preparation of three esters <b>OR</b> reactions of alkanes and alkenes with Br <sub>2</sub>	None	Control test

# 2023/24 ANNUAL TEACHING PLANS: PHYSICAL SCIENCES: GRADE 12 (TERM 2)

TERM 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPICS	MECHANICS: Work, energy, and power (2 hrs)	MECHANICS: Work, energy, and power (4 hrs)	MECHANICS: Work, energy, and power (2 hrs)	WAVES, SOUND & LIGHT: Doppler Effect (3 hrs)	WAVES, SOUND & LIGHT: Doppler Effect (2 hrs) CHEMICAL CHANGE: Rate and extent of reaction (2 hrs)	CHEMICAL CHANGE: Rate and extent of reaction (4 hrs)	CHEMICAL CHANGE: Chemical equilibrium (4 hrs)	CHEMICAL CHANGE: Chemical equilibrium (4 hrs)	CHEMICAL CHANGE: Acids and bases (4 hrs)	CHEMICAL CHANGE: Acids and bases (3 hrs)	June examination OR Control test (4 hrs)
TOPICS, CONCEPTS, SKILLS AND VALUES	Work  Define the work done on an object  Draw force diagram & free-body diagrams  Calculate the net work done on an object  Distinguish between positive work and negative net work done on the system	<ul> <li>State the workenergy theorem</li> <li>Apply the workenergy theorem on horizontal, vertical, and inclined planes</li> <li>Define conservative and non-conservative forces and give examples</li> <li>State the principle of conservation of mechanical energy</li> <li>Solve problems using the equation Wnc = ΔEk + ΔEp</li> <li>Show that Emech is conserved in the absence of non-conservative forces</li> </ul>	<ul> <li>Define power and calculate the power involved when work is done</li> <li>Perform calculations using Pave= Fvave when an object moves at a constant speed along a rough horizontal surface or a rough inclined plane</li> <li>Calculate the minimum power required of an electric motor to pump water from a borehole of a particular depth at a particular rate using Wnc = ΔEk + ΔEp</li> </ul>	State the Doppler Effect and explain (using illustrations) the change in pitch observed when a source moves toward or away from a listener (sound and ultrasound) State applications of the Doppler Effect withultrasound waves in medicine, e.g. to measure the rate of blood flow or the heartbeat of a foetus in the womb Solve problems using $f_L = \frac{v \pm v_L}{v \pm v_S} f_s$ when EITHER source or listener moves	With light, explain 'red shifts' & use the Doppler Effect to explain why we conclude that the universe is expanding      Rate of reaction     Define reaction rate     Calculate reaction rate from given data     List the factors that affect the rate of chemical reactions	Explain in terms of the collision theory how the various factors affect the rate of chemical reactions     Answer questions and interpret data (tables or graphs) on different experimental techniques for measuring the rate of a given reaction     Define the term positive catalyst     Interpret graphs of distribution of molecular energies to explain how a catalyst, temperature and concentration affect rate	Explain: Open & closed systems, reversible reactions, dynamic equilibrium     List the factors which influence the position of an equilibrium     State Le Chatelier's principle and use it to explain changes in equilibria     Interpret simple graphs of equilibrium     List the factors which influence the value of the equilibrium constant Kc	Write an expression for the equilibrium constant from a given equation     Perform calculations based on K <sub>c</sub> values     Explain the significance of high and low values of the equilibrium constant	Define acids and bases according to Arrhenius and Lowry-Brønsted     Distinguish between strong and weak acids/bases with examples     Distinguish between concentrated and dilute acids/bases     Identify conjugate acid-base pairs for given compounds     Write neutralisation reactions of common laboratory acids and bases     Perform calculations based on titration reactions & motivate the choice of an indicator	<ul> <li>Determine the approximate pH of salts in salt hydrolysis</li> <li>Explain the pH scale and calculate pH values of strong acids and strong bases</li> <li>Define the concept of K<sub>w</sub> and explain the auto-ionisation of water</li> <li>Compare the K<sub>a</sub> and K<sub>b</sub> values of strong and weak acids and bases</li> <li>Compare strong and weak acids and bases</li> <li>Compare strong and weak acids by looking at pH, conductivity &amp; reaction rate</li> </ul>	June examination TWO PAPERS  Paper 1 – 150 marks, 3 hrs AND Paper 2 – 150 marks, 3 hrs OR CONTROL TEST (150 marks – 3 hours) 75 marks – Physics 75 marks - Chemistry
REQUISITE PRE- KNOWLEDGE	Gravitational potential and kinetic energy     Equations of motion     Force and free-body diagrams	Gravitational potential and kinetic energy     Equations of motion     Newton's 2 <sup>nd</sup> law of motion	Gravitational potential and kinetic energy     Equations of motion     Newton's 2 <sup>nd</sup> law of motion	Wave properties:     Frequency,     wavelength,     amplitude     Graphical     representation of     waves	Wave properties:     Frequency,     wavelength,     amplitude     Writing of formulae     and balanced     equations     Energy in chemical     reactions – Gr 11	Writing of formulae and balanced equations     Energy in chemical reactions – Gr 11	Writing of formulae and balanced equations     Energy in chemical reactions – Gr 11	Writing of formulae and balanced equations     Stoichiometry	Writing of formulae and balanced equations     Stoichiometry	Writing of formulae and balanced equations     Stoichiometry	Writing of formulae and balanced equations     Stoichiometry
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Mind the Gap     Study guides     YouTube &     Mindset videos     pHET simulations     Previous question     papers	Mind the Gap     Study guides     YouTube &     Mindset videos     pHET simulations     Previous question papers	Apparatus for experiment below     Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	Mind the Gap     Study guides     YouTube &     Mindset videos     pHET simulations     Previous question     papers	Mind the Gap     Study guides     YouTube &     Mindset videos     pHET simulations     Previous question     papers	Apparatus:     Chemicals and     apparatus for     experiment below     Mind the Gap     Study guides     YouTube &     Mindset videos     pHET simulations     Previous question     papers	Apparatus:     Chemicals and     apparatus for     experiment below     Mind the Gap     Study guides     YouTube &     Mindset videos     Previous question     papers	Mind the Gap     Study guides     YouTube &     Mindset videos     Previous question     papers	Mind the Gap     Study guides     YouTube &     Mindset videos     Previous question     papers	Apparatus:     Chemicals and     apparatus for     experiment below     Mind the Gap     Study guides     YouTube &     Mindset videos     Previous question     papers	Mind the Gap     Study guides     YouTube &     Mindset videos     Previous question     papers

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## 2023/24 ANNUAL TEACHING PLANS: PHYSICAL SCIENCES: GRADE 12

TERM	12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
LN	INFORMAL ASSESSMENT: REMEDIATION	Homework	Homework	Homework     Informal test	Homework	Homework     Informal test	Homework     Informal test	Homework     Practical:     Demonstrate     factors that     influence the     equilibrium of     CoCl <sub>2</sub> & H <sub>2</sub> O     or     NO <sub>2</sub> & N <sub>2</sub> O <sub>4</sub> (demo)	Homework	Homework     Informal test	Homework     Practical: Titration of a weak acid against a strong base to determine the concentration of the strong base     Informal test	Homework     Informal test
ASSESSMENT	SBA (FORMAL)	None	None	Formal practical (Physics): Perform simple experiments to determine the work done and power expended in walking up (or running up) a flight of stairs	None	None	Formal practical (Chemistry): Determine the effect of temperature and concentration on the rate of reaction between Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> and HC\$\ellipselow{\chi}\$ OR determine factors (any factor) affecting the rate of a reaction	None	None	None	Formal practical: (Chemistry) Determine the unknown concentration of an acid or base by titration against a standard solution	Control test or June examination

## 2023/24 ANNUAL TEACHING PLANS: PHYSICAL SCIENCES: GRADE 12 (TERM 3)

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8-11
CAPS TOPICS	CONTROL TEST: Discussion, corrections, remedial work (1 hr) ELECTRICITY & MAGNETISM: Electric circuits (2 hrs)	ELECTRICITY & MAGNETISM: Electric circuits (4 hrs)	ELECTRICITY & MAGNETISM: Electrodynamics (4 hrs)	ELECTRICITY & MAGNETISM: Electrodynamics (1 hr) M & M: Optical phenomena and properties of materials (2 hrs)	MATTER & MATERIALS: Optical phenomena and properties of materials (4 hrs)	CHEMICAL CHANGE: Electrochemical reactions (4 hrs)	CHEMICAL CHANGE: Electrochemical reactions (4 hrs)	TRIAL EXAMINATION P1: 3 hrs P2: 3 hrs
TOPICS, CONCEPTS, SKILLS AND VALUES	Discussion, corrections, remedial work of June control test or exam      Electric circuits     Solve problems involving current, voltage and resistance for circuits containing arrangements of resistors in series and in parallel (maximum four resistors excluding internal resistance)      image: The problems involving current, voltage and resistance for circuits containing arrangements of resistors in series and in parallel (maximum four resistors excluding internal resistance)	<ul> <li>Explain the term internal resistance</li> <li>Solve circuit problems using ε = IR<sub>ext</sub>+ Ir or ε = V<sub>load</sub> + V<sub>int resistance</sub></li> <li>Solve problems, with internal resistance, for circuits containing arrangements of resistors in series and in parallel (maximum four resistors)</li> </ul>	State the energy conversion in generators & use principle of electro-magnetic induction to explain how generators work  Give examples of uses of AC & DC generators & functions of components  State the energy conversion in motors & use motor effect to explain how motors work  Explain the functions of components of motors and give examples of uses of motors  State the advantages of alternating current over direct current  Draw and interpret sketch graphs of voltage vs time and current vs time for an AC circuit	<ul> <li>Define the term <i>rms</i> for an alternating voltage or an alternating current</li> <li>Solve problems using         I<sub>rms</sub> = I<sub>max</sub>/√2         V<sub>rms</sub> = V<sub>max</sub>/√2         P<sub>ave</sub> = I<sub>rms</sub><sup>2</sup>R         P<sub>ave</sub> = V<sub>rms</sub><sup>2</sup>R         P<sub>ave</sub> = V<sub>rms</sub> I<sub>rms</sub>         P<sub>ave</sub> = V<sub>rms</sub> I<sub>rms</sub>         P<sub>ave</sub> = V<sub>rms</sub> I<sub>rms</sub>         E = ½ I<sub>max</sub> V<sub>max</sub>         (For purely resistive circuit)         Optical phenomena and properties of materials         • Describe the photoelectric effect and state its significance         • Define threshold frequency, f<sub>o</sub>         • Define work function, W<sub>o</sub></li> </ul>	<ul> <li>Perform calculations using the photoelectric equation:</li> <li>E = W<sub>0</sub>+ K<sub>max</sub>, where         E = hf and W<sub>0</sub>= hf<sub>0</sub> and         K<sub>max</sub> = ½ m(v<sub>max</sub>)<sup>2</sup></li> <li>Explain the effect of intensity and frequency on the photoelectric effect</li> <li>Understand that the photo-electric effect demonstrates the particle nature of light</li> <li>Explain the formation of atomic spectra by referring to energy transition</li> <li>Explain the difference between atomic absorption spectra and atomic emission spectra</li> </ul>	<ul> <li>Define oxidation &amp; reduction in terms of electron transfer &amp; oxidation numbers</li> <li>Define oxidising &amp; reducing agents in terms of oxidation and reduction</li> <li>Define an anode and cathode in terms of oxidation and reduction</li> <li>Define an electrolyte</li> <li>Galvanic cells</li> <li>Define a galvanic cell</li> <li>State the function of salt bridge</li> <li>Predict the movement of ions and the direction of electron flow in external circuit</li> <li>Write half-reactions at each electrode &amp; the overall cell reaction</li> <li>Predict in which half-cell oxidation/reduction takes place</li> <li>Use cell notation or diagrams to represent a galvanic cell</li> <li>Calculate emf for a galvanic cell</li> <li>Explain that V<sub>cell</sub> decreases as [product ions] increases and [reactant ions] decreases and V<sub>cell</sub> = 0 when equilibrium is reached, (the cell is 'flat')</li> <li>State the standard conditions under which standard electrode potentials are determined</li> </ul>	Describe the standard hydrogen electrode and explain its role as the reference electrode Explain how standard electrode potentials can be determined using the reference electrode, state the convention regarding positive and negative values  Electrolytic cells Define an electrolytic cell Describe the movement of ions in the solution State the direction of electron flow in the external circuit Write equations for the half-reactions at the anode and cathode Write down the overall cell reaction Describe, using half-reactions and the equation for the overall cell reaction Describe, using half-reaction as well as the layout of the particular cell using a schematic diagram, the following electrolytic processes: The decomposition of copper(II) chloride Electroplating, e g the electroplating of an iron spoon with silver, nickel Refining of copper The electrolysis of a concentrated solution of sodium chloride	PAPER 1: 150 marks  • Mechanics (65)  • Waves, sound, and light (15)  • Electricity and magnetism (55)  • Matter & materials (15)  PAPER 2: 150 marks  • Chemical change (92)  • Matter & materials (58)  The following Gr 10 and 11 topics will form part of the two papers:  Paper 1:  • Newton's laws (Gr 11)  • Electric circuits (Gr 11)  • Electric circuits (Gr 11)  Paper 2  • Representing chemical change (Gr 10)  • Intermolecular forces (Gr 11)  • Energy and chemical change (Gr 11)  • Stoichiometry (application only) (Gr 11)
REQUISITE PRE- KNOWLEDGE	Electric circuits from Grade 11	Electric circuits from Grade     11	Electromagnetic induction     Hand rules for direction of induced current	Electrical power	Wave properties: frequency, wavelength, amplitude     Graphical representation of waves	Redox reactions	Redox reactions	

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## 2023/24 ANNUAL TEACHING PLANS: PHYSICAL SCIENCES: GRADE 12

TERM	3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8-11
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING		Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	Apparatus for experiment below     Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	Apparatus: Chemicals and apparatus for experiment below     Mind the Gap     Study guides     YouTube & Mindset videos     pHET simulations     Previous question papers	<ul> <li>Mind the Gap</li> <li>Study guides</li> <li>YouTube &amp; Mindset videos</li> <li>pHET simulations</li> <li>Previous question papers</li> </ul>
SSMENT	INFORMAL ASSESSMENT: REMEDIATION	Corrections     Homework	Homework     Informal test	Homework     Practical: Functioning of a simple electric motor (demonstration)	Homework     Informal test	Homework     Informal test	Homework	Homework     Informal test	NA
ASSE	SBA (FORMAL)	None	Formal practical (Physics): Internal resistance of a battery and equivalent resistance of resistors in series & parallel	None	None	None	None	Formal practical (Chemistry): Verify the reactions that take place in a galvanic cell and an electrolytic cell	Trial examination

## 2023/24 ANNUAL TEACHING PLANS: PHYSICAL SCIENCES: GRADE 12 (TERM 4)

TERM	4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5-10
CAPS	TOPICS	TRIAL EXAM: Discussion (3 hrs)	TRIAL EXAM: Discussion (4 hrs)	CONSOLIDATION AND REVISION (4 hrs)	CONSOLIDATION AND REVISION (4 hrs)	FINAL EXAMINATION P1: 3 hrs P2: 3 hrs
TOPICS, CONCEPTS, SKILLS AND VALUES		Discussion, corrections, and remedial work of trial examination	Discussion, corrections, and remedial work of trial examination	All topics	All topics	<ul> <li>PAPER 1: 150 marks</li> <li>Mechanics (65)  Momentum and impulse, vertical projectile motion, work, energy and power, Newton's laws (Gr 11)</li> <li>Waves, sound, and light (15)  Doppler Effect</li> <li>Electricity and magnetism (55)  Electric circuits, electrodynamics, electrostatics (Gr 11), Electric circuits (Gr 11)</li> <li>Matter &amp; materials (15)  Optical phenomena and properties of materials</li> <li>PAPER 2: 150 marks</li> <li>Chemical change (92)  Rate and extent of reaction, chemical equilibrium, acids and bases, representing chemical change (Gr 10), Energy and chemical change (Gr 11), stoichiometry (application only) (Gr 11)</li> <li>Matter &amp; materials (58)  Organic molecules, intermolecular forces (Gr 11)</li> </ul>
	ISITE PRE- /LEDGE	NA	NA	NA	NA	NA NA
THAN	URCES (OTHER TEXTBOOK) TO NCE LEARNING	Trial exam question papers	• NA	<ul> <li>Study guides</li> <li>Previous question papers</li> <li>Mindset &amp; YouTube videos</li> <li>Simulations</li> </ul>	<ul> <li>Study guides</li> <li>Previous question papers</li> <li>Mindset &amp; YouTube videos</li> <li>Simulations</li> </ul>	NA NA
ASSESSMENT	INFORMAL ASSESSMENT: REMEDIATION	Trial exam question papers	Trial exam question papers	Homework     Informal test	Homework     Informal test	NA
ASSE	SBA (FORMAL)	None	None	None	None	Final examination