MINISTRY OF GENERAL EDUCATION
COMMON SCHEME OF WORK
GRADE 11 TERM ONE 2018 AND BEYOND
PURE CHEMISTRY

WEEK	TOPIC / CONTENT	OUTCOMES (Pupils Should)	METHODS	REFERENCES
1	**REVISION ACIDS, BASES AND SALTS** Characteristic properties of acids	Describe acids in terms of ions they contain or produce in aqueous solution. Describe the meaning of weak, strong, dilute and concentrated acids	▪ Question and answer ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
2		Demonstrate the characteristic properties of acids Illustrate the importance of acid reactions	▪ Question and answer ▪ Discussion ▪ Demonstration	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
3		Describe bases or alkalis in terms of ions they contain or produce in aqueous solution. Describe the meaning of weak, strong, dilute and concentrated alkalis	▪ Question and answer ▪ Discussion ▪ Lecture	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
4	**TEST 1**	Demonstrate the characteristic properties of alkalis Illustrate the importance of base reactions	▪ Question and answer ▪ Discussion ▪ Demonstration	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
5		Describe the pH scale Describe neutrality, acidity and alkalinity in terms of pH value Determine the pH value of a solution.	▪ Question and answer ▪ Discussion ▪ Demonstration	O level chemistry for southern Africa New certificate Chemistry Fundamentals of chemistry
6	Types of oxides	Describe the various types of oxides	▪ Question and answer ▪ Discussion ▪ Lecture	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
7		Describe a salt	▪ Question and	O level chemistry for southern Africa

		Classify salts according to their nature and solubility in water Demonstrate the preparation soluble salts	answer ▪ Discussion	Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
8	**TEST 2**	Demonstrate the preparation of ammonium, potassium and sodium salts.	▪ Question and answer ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
9		Demonstrate the existence of hydrated salts and differentiate from anhydrous salts Describe the behaviour of salts with reference to the atmosphere	▪ Question and answer ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
10		Demonstrate the preparation of an insoluble salt	▪ Question and answer ▪ Discussion ▪ Practical	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
11		Demonstrate the identity of aqueous cations and anion Demonstrate the identity of gases.	▪ Question and answer ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
12	End of term tests	Pass the end of term test	▪ Question and answer	End of term papers
13	End of term tests	Pass the end of term test	▪ Question and answer	End of term papers