MINISTRY OF GENERAL EDUCATION
GRADE 10 SCHEME OF WORK
TERM TWO 2018
PURE CHEMISTRY

WEEK	TOPIC / CONTENT	OUTCOMES (Pupils Should)	METHODS	REFERENCES
1	REVISION Criteria of purity	Describe the differences between a pure substance and a mixture	▪ Demonstration ▪ Discussion ▪ Inquiry	Chemistry 10 pupils book O level chemistry for southern Africa Key point Science – Chemistry New certificate Chemistry Fundamentals of chemistry
2		Demonstrate how to determine the purity of a substance	▪ Question and answer ▪ Discussion ▪ Demonstration	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
3		Explain the importance of purity of a substance	▪ Question and answer ▪ Discussion ▪ Demonstration	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
4	Separating mixtures TEST 1	Distinguish between physical and chemical changes	▪ Question and answer ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 11 pupils book New certificate Chemistry Fundamentals of chemistry
5	Separating mixtures	Demonstrate different methods of separating mixtures (Methods such as decantation, filtration, crystallization)	▪ Question and answer ▪ Discussion	O level chemistry for southern Africa Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
6	Separating mixtures	Demonstrate different methods of separating mixtures Methods such as simple and fractional distillation, magnetism)	▪ Question and answer ▪ Discussion ▪ Experiments	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry

				Fundamentals of chemistry
7	Separating mixtures	Demonstrate different methods of separating mixtures (Methods such as chromatography)	▪ Question and answer ▪ Discussion ▪ Demonstration	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
8	Separating mixtures **TEST 2**	Interpret simple paper chromatograms (Uses such as R_f values and distances covered by components (restricted to paper chromatography)	▪ Demonstration ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
9	Separating mixtures	Demonstrate different methods of separating mixtures (Methods such as evaporation, sublimation)	▪ Demonstration ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
10	Separating mixtures	Demonstrate different methods of separating mixtures(Methods such as , floatation, use of separating funnel and centrifugation)	▪ Question and answer ▪ Discussion ▪ Practical	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
11	REVISION		▪ Question and answer ▪ Discussion	O level chemistry for southern Africa Key point Science – Chemistry Chemistry 10 pupils book New certificate Chemistry Fundamentals of chemistry
12 - 13	End of term tests		▪ Question and answer	End of term papers

NB: Ensure that all experiments are performed by all learners.