



MINISTRY OF GENERAL EDUCATION

NORTHERN PROVINCE

PROVINCIAL SCHEMES OF WORK FOR CHEMISTRY 5070

Subject: CHEMISTRY 5070 Grade: 11 Term: One Year: 20... Teacher: ----- periods per week: 6

WEEK	TOPIC	SUB-TOPIC	SPRCIFIC OUTCOMES	METHODOLOGY	SUGGESTED EXPERIMENTS	REFERENCES
1 11/0116	Acids, Bases and Salts	Characteristic properties of acids and bases	Describe acids, bases or alkalis in terms of ions they contain or produce in aqueous solution.	Discussion Question and Answer	-Qualitative analysis of cations and anions in acids and bases - Use of blue/red litmus papers/indicator solutions.	New certificate chemistry IGCES
2 18/02/16			Describe the meaning of weak, strong, dilute and concentrated acids and alkalis	Discussion Questions and Answer		General certificate

3 25/01/16			Describe the pH scale Describe neutrality, acidity and alkalinity in terms of pH value	Group Work Discussion	-Universal indicators -PH meter	General chemistry Lambert
4 01/02/16			Determine the pH value of a solution. Demonstrate the characteristic properties of acids		determination of PH of acids and Bases using PH meter, litmus paper or universal indicator.	General chemistry Lambert GCSE
5 01/02/16			Demonstrate the characteristic properties of bases -Illustrate the importance of acid-base reactions -State the uses of acids and bases.		Qualitative analysis of acids and bases by reacting them with metals and carbonates. - Classification of bases on the basis of solubility.	Chemistry Certificate
6 08/02/16		Preparation of salts	Describe what a salt is Classify salts. Demonstrate the preparation of an insoluble salt.	Discussion Demonstration	- Preparation and collection of soluble and insoluble salts by crystallization and precipitation	New certificate chemistry

7 15/02/16			Demonstrate the preparation soluble salts.	Demonstration Discussion	methods. - preparation and classification of various types of salts	
8 22/02/16		Types of oxides	Describe the various types of oxides	discussion	-preparation and classification of various types of oxides	New certificate chemistry O'level chemistry
9 29/02/16		Identification of ions.	Demonstrate the identity of aqueous cations and anion.	Demonstrations	Identification of cation, gases and anions prescribed by the syllabus	General certificate GCSE
10 07/03/16		Identification of gases (Qualitative analysis)	Demonstrate the identity of gases	Demonstrations Discussion	Identification of gases prescribed by the syllabus	New certificate chemistry O'level chemistry
11 14/03/16		Demonstrate the identity of gases	Demonstrate the identity of gases	Demonstrations Discussion	Identification of gases prescribed by the syllabus	New certificate chemistry O'level chemistry
12 and 13 21/03/16 To 28/03/16	Revision And End of Term Test					

