

IMMACULATE CONCEPTION HIGH

EASTER TERM PLAN

GRADE 10

CHEMISTRY

2023 - 2024

JANUARY 08 – MARCH 27

DATE	WEEKS	THEORY	LABS/COURSEWORKS /ASSIGNMENTS
JANUARY			
January 8-12	WEEK 1	REVISION FORMULA WRITING <ul style="list-style-type: none"> ● Revision and explanation of 6th Week Test ● Balancing Chemical Equations 	LAB – Types of Reactions
January 15-19	WEEK 2 3 Sessions	BALANCING EQUATIONS AND STATE SYMBOLS <ul style="list-style-type: none"> ● Writing Equations ● Balancing ● State symbols 	
January 22-26	WEEK 3 3 Sessions	WRITING IONIC EQUATIONS and SOLUBILITY TABLE	
January 29 – February 2	WEEK 4 3 Sessions	ACIDS, BASES AND SALTS <ul style="list-style-type: none"> ● define acid, acid anhydride, base, alkali, salt, acidic, basic, amphoteric and neutral oxides; (Obj. 7.1) ● relate acidity and alkalinity to the pH scale; strength of acids and alkalis (link to completeness of ionization). (Obj. 7.2 & 7.3) 	
FEBRUARY			
February 5-9	WEEK 5 3 Sessions	ACIDS, BASES and SALTS <ul style="list-style-type: none"> ● Reactions of non -oxidizing acids (Obj 7.4) 	LAB – Metals PD LAB – Acids, Bases, pH and Indicators

		<ul style="list-style-type: none"> • Example of acids in living systems. (Obj. 7.5) • Reactions of bases with ammonium salts. (Obj. 7.6) • Methods of preparation of salts. (Obj. 7.7) 	
February 12-14 WEEK 6 MID – TERM BREAK			
February 15-16	WEEK 6 2 Sessions	ACIDS, BASES and SALTS CONT'D AND REVISION	LAB – Making of Copper (II) sulphate
February 19-23 WEEK 7 3RD STANDARDISED TEST			
February 26 – March 1	WEEK 8	ACIDS, BASES and SALTS <ul style="list-style-type: none"> • Methods of preparation of salts continued. (Obj. 7.8) • Uses and dangers of salts. (Obj. 7.8) • Distinguish between acid salts and normal salts. (Obj. 7.9) • investigate neutralisation reactions using indicators and temperature changes. (Obj. 7.10) 	LAB – Titration Method
MARCH			
March 4-8	WEEK 9 3 Session	REVISION OF TEST QUALITATIVE ANALYSIS <ul style="list-style-type: none"> • Cations • Anions • Identifying anions and cations in unknowns. (Section C Obj. 6.1 & 6.2)	LAB – QA of Cations QA of Anions QA of Unknown
March 11 - 15	WEEK 10 3 Sessions	QUALITATIVE ANALYSIS CONT'D REDOX	

		<ul style="list-style-type: none"> ● investigate the action of common oxidizing and reducing substances in everyday activities. ● define oxidation and reduction. ● deduce oxidation number from formulae. <p>(Section A Obj. 8.1-8.3)</p>	
March 18 – 22	WEEK 11 3 sessions	<p style="text-align: center;">REDOX</p> <ul style="list-style-type: none"> ● identify oxidation and reduction reactions including reactions at electrodes; ● distinguish between oxidising and reducing agents; ● perform tests for oxidising and reducing agents. <p>(Section A Obj. 8.4 - 8.6)</p>	
March 25-27	WEEK 12 2 Sessions	COMPLETION OF LABS	
<p>April 28 WEEK 13 EASTER BREAK</p>			