

Form 4 Term II Weekly Plan- 2025

Week 1	Topic	Exam Revision and Ionic Equation
	Objectives	Revision of Term 1 Exam Paper 1 and 2 Review balancing equations. Determine total ionic equations and net ionic equations.
Week 2	Topic	Ionic Equations
	Objectives	Write net ionic equations. Recall solubility rules. Write state symbols for compounds in equations.
Week 3	Topic	Qualitative Analysis
	Objectives	Identify cations using color and solubility of hydroxides in aqueous sodium hydroxide and aqueous ammonia. Identification of common gases.
Week 4	Topic	Qualitative Analysis
	Objectives	Identify anions using evolution and identification of gases produced when compounds containing anions are heated strongly, treated with acids and solubility of precipitate formed in dilute acids.
	Activities	<i>LAB- Identification of Gases</i>
Week 5	Topic	Qualitative Analysis
	Objectives	Identification of anions by color and solubility of the silver halide in ammonia and color of precipitate form when anions react with barium ions.
	Activities	<i>LAB- Identification of Gases</i>
Week 6	Topic	Acids, Baes and Salts
	Objectives	Define acids, list physical states of acid. Write balanced chemical equations for when acids react with metals, bases and carbonates.
Week 7	Topic	Acids, Bases and Salts
	Objectives	Define acid anhydride, bases, and alkali. Write balanced chemical equations for reaction of bases with acid and ammonium salt. Explain and give examples of different types of oxides.
	Activities	<i>LAB- Qualitative Analysis I</i>
Week 8	Topic	Acids, Bases and Salts
	Objectives	<i>Acid revision</i>
Week 9	Topic	Acids, Bases and Salts
	Objectives	Relate acidity and alkalinity to the pH scale. Discuss the strength of acids and alkalis based on their ionization. Define salts. Explain and give examples of acid salt and normal salts. Define water of crystallization.
	Activities	<i>LAB- Qualitative Analysis II</i>
Week 10	Topic	Acids, Bases and Salts
	Objectives	Identify appropriate methods of salt preparation based on the solubility of the salt.

	Activities	<i>LAB- Salt Preparation PnD</i>
Week 11	Topics	Acid Bases and Salts
	Objectives	Revision
Week 12	Topics	Revision