

Chemistry

IMMACULATE CONCEPTION HIGH SCHOOL

GRADE 9 CHEMISTRY TERM PLAN

2019 – 2020

SUMMER TERM

APRIL 20-JUNE 12 (2020)

		THEORY	LABS/QUIZ/TESTS
APRIL			
20-24	WEEK 1 2 Sessions	MIXTURES AND SEPARATION <ul style="list-style-type: none">• Differentiate between an element, compound and a mixture <i>Review element and compound-taught in Grade 8</i>• Types of mixtures	

		<ul style="list-style-type: none"> - Homogenous mixtures- solutions - Heterogeneous mixtures- suspensions and colloids 	
April 27-May 01	WEEK 2 2 Sessions	MIXTURES AND SEPARATION Different separation techniques - filtration, evaporation, sublimation and separating funnel.	
MAY			
4-8	WEEK 3 2 sessions	MIXTURES AND SEPARATION Different separation techniques – simple distillation, fractional distillation, and chromatography.	C W #1: ACTIVITY ON SEPERATION TECHNIQUES.

11-15	WEEK 4 2 session	MIXTURES AND SEPARATION Different separation techniques - filtration, evaporation, sublimation, distillation, chromatography, using a separating funnel etc.	H.W- Research and make an indicator: for use in next week's class. Students will also need vinegar, baking soda and other substances to test during online meeting.
18-22	WEEK 5 2 sessions	ACIDS, BASES & SALTS Discuss and define acids, bases and pH scale. Discussion must follow on testing household chemicals with indicators and litmus paper by teacher (video demonstration) and home-made indicators made by students. Indicators should include litmus paper, universal	C.W#2: Hands-on activity with household chemicals brought to class. Student will carry out the activity from home during session held on Zoom/Google Meet.

		indicator, screened methyl orange and phenolphthalein.	
26-29	WEEK 6 2 sessions	ACIDS, BASES & SALTS Examples and Properties of Acids & Bases Common acids and bases in laboratory and in nature	CW #3: -Prepare a table to compare the properties of acids and bases. -Write the names and chemical formulae of five acids and bases. -Describe how three acids and three bases are used in the home.
JUNE			

1-5	WEEK 7 2 sessions	Word equations for acid reactions Acid and metal Acid and base Acid and carbonate Uses of Neutralisation	
8-12	WEEK 8 2 sessions	Definition of salts Different uses of salts	CW #4: Online quiz for acids, bases and salts.