Chemistry 20 Long Range Plan

	Dates:	*September 2 – September 12*		*September 15 – October 10*	
Topic:		**1)Science10 Chemistry Review**		**2)Unit A: The diversity of Matter and Chemical Bonding**	
Resources:		• Textbook: Nelson Chemistry 20-30 • Alternate text: McGraw-Hill Ryerson Chemistry 20-30. • You tube • Teacher tube • Learnalberta.ca • Blackgold school division website		• Textbook: Nelson Chemistry 20-30 • Alternate text: McGraw-Hill Ryerson Chemistry 20-30. • You tube • Teacher tube • Learnalberta.ca • Blackgold school division website	
Instructional Approach:		• Lecture • Group discussion • Individual reading • Lab activities • Investigations • Games • Videos	• Ch 1.1-1.6 notes (GO: A1.1K + A1.2K) • Ch 2.1-2.5 notes (GO: A2.1K + A2.2K) • Naming Compounds Quiz • Review Unit Exam	• Lecture • Group discussion • Individual reading • Lab activities • Investigations • Games • Videos	• Ch 3.1-3.5 notes (GO: A1.1K – A1.6K & A2.1K – A2.10K & A1.2s + A1.4s) • Inv. 3.1 pg. 90. (GO: A2.2s) • Lab 3.A pg. 110 (GO: A2.1s + A2.3s) • Inv. 3.3 pg. 110 (GO: A2.2s + A2.4s) • Inv. 3.5 pg. 129 (GO: A1.1s & A1.3s) • Ch 3.1-3.3 Quiz • Unit A Exam
Special activities:		○ Naming compounds poker game		○ Fruit loop Lewis structures ○ VSEPR Twister	

	October 14 – October 29		*October 30 – December 5*	
Topic:	**Unit B: Forms of Matter: Gases**		**Unit C: Matter as Solutions, Acids and Bases**	
Resources:	• Textbook: Nelson Chemistry 20-30 • Alternate text: McGraw-Hill Ryerson Chem 20-30. • You tube • Teacher tube • Learnalberta.ca • Blackgold school division website		• Textbook: Nelson Chemistry 20-30 • Alternate text: McGraw-Hill Ryerson Chemistry 20-30. • You tube • Teacher tube • Learnalberta.ca • Blackgold school division website	
Instructional Approach:	• Lecture • Group discussion • Individual reading • Lab activities • Investigations • Games • Videos	• Ch 4.1 – 4.4 notes (GO: B1.1K – B1.4K) • Lab 4.A pg. 148 (GO: B1.1s) • Inv. 4.1 pg. 177 (GO: B1.2s + B1.3s) • Inv. 4.2 pg. 178 (GO: B1.2s + B1.3s + B1.4s) • Ch 4.1 - 4.2 Quiz • Unit B Exam	• Lecture • Group discussion • Individual reading • Lab activities • Investigations • Games • Videos	• Ch.5.1-5.5 notes (GO: C.1.1K – C1.11K) • Lab 5.C pg. 223 (GO: C1.3s & C1.4s) • Inv. 5.1 pg. 227 (GO: C1.1s & C1.2s) • Inv. 5.2 pg. 227 (GO: C1.2s) • Inv. 5.5 pg. 229 (GO: C1.1s + C1.2s + C1.4s) • Ch. 5 Quiz • Ch. 6.1-6.5 notes (GO: C2.1K – C2.11K) • Lab 6.A pg. 240 (GO: C2.2s) • Inv. 6.2 pg. 260 (GO: C2.1s + C2.3s + C2.4s) • Ch. 6 Quiz • Unit C Exam
Special activities:	TBA		Demonstration: Inv. 6.3 pg. 261 (GO: C2.1s)	

	December 8 – January 20	
Topic:	**Unit D: Quantitative Relationships in Chemical Changes**	
Resources:	• Textbook: Nelson Chemistry 20-30 • Alternate text: McGraw-Hill Ryerson Chemistry 20-30. • You tube • Teacher tube • Learnalberta.ca • Blackgold school division website	
Instructional Approach:	• Lecture • Group discussion • Individual reading • Lab activities • Investigations • Games • Videos	• Ch. 7.1-7.4 notes (GO: D 1.1K – D1.5K) • Thought Lab 7.1 pg. 267 McGraw-Hill Book (GO: D1.1s) • Inv. 7.2 pg. 305 (GO: D1.1s + D1.2s + D1.3s + D1.4s) • Ch. 7 Quiz • Ch. 8.1-8.5 notes (GO: D2.1K-D2.7K) • Lab 8.A pg. 317 (GO: D2.3s) • Inv. 8.2 pg. 341 (GO: D2.3s) • Inv. 8.3 pg. 342 (GO: D2.4s) OR Inv. 8.C pg 316 McGraw-Hill (GO: D2.4s) • Inv. 8.4 pg. 343 (GO: D2.1s & D2.2s) • Ch. 8 Quiz • Unit D Exam
Special activities:	Course Review if there is time at end of Unit D.	

Evaluation:

Category	Unit A Chemical Bonding	Unit B Gases	Unit C Solutions (Acids/Bases)	Unit D Quantitative Relationships	Final
Assignments, Labs & Homework	40%	40%	40%	40%	-
Quizzes & Research Papers	20%	20%	20%	20%	-
Unit Tests	40%	40%	40%	40%	-
Unit Total Marks	100%	100%	100%	100%	-
Final Mark	14%	12%	22%	22%	30%