Westside High School Lesson Plan

Teacher Name:	**Reynaldo Leija**	Unit Name and #:	**Gas Laws**
Course:	**Chemistry I**	Dates:	**04/06/20 – 04/09/20**

Monday (3rd and 5th)

Daily Objective/Standard:

- ❖ We will be able to perform stoichiometric calculations including determination of mass and **gas volume** relationships between reactants and products and percent yield
- ❖ We will describe and calculate relations between volume, pressure, number of moles, and temperature for an ideal gas as described by Boyle's law, Charles' law, Avogadro's law and the ideal gas law
- ❖ We will describe the postulates of the kinetic molecular theory
- ❖ TEKS C.8(G), C.9(A), C.9(B)

Agenda:

- Class meeting check in: Monday: 11:00 a.m. (3rd) & 1:00 p.m. for (5th)
- Live Session: Gases Day 2: Boyle's Law & Charles's Law
- Directions on how to access: Power point lecture with teacher explanation: Gases: Day 2 (Pre-recorded, located on Microsoft Teams app under files)
- This power point will cover Boyle's Law & Charles's Law
- Q & A Session about example problems from the power point

CFU/Assessments

- GA (OL) 42a – Temperature conversions (10 questions) **3RD PERIOD**
- GA (OL) 43a – Pressure conversions (10 questions) **3RD PERIOD**
- GA (OL) 44 – Temperature conversions (10 questions) **5TH PERIOD**
- GA (OL) 45 – Pressure conversions (10 questions) **5TH PERIOD**

Materials:

- Computer
- Calculator

Follow Up/HW:

- 3rd period: Complete GA (OL) 42a and 43a by Thursday, April 9, 2020.
- 5th period: Complete GA (OL) 42 and 43 by Thursday, April 9, 2020.

Tuesday (3rd & 5th)	**Daily Objective/Standard:** ❖ We will be able to perform stoichiometric calculations including determination of mass and **gas volume** relationships between reactants and products and percent yield ❖ We will describe and calculate relations between volume, pressure, number of moles, and temperature for an ideal gas as described by Boyle's law, Charles' law, Avogadro's law and the ideal gas law ❖ We will describe the postulates of the kinetic molecular theory ❖ TEKS C.8(G), C.9(A), C.9(B)
	Agenda: ▪ Class Meeting: Tuesday: 11:00 a.m. (3rd) & 1:00 p.m. for (5th) ▪ Meeting will be for those who need help with the online assignments
	CFU/Assessments GA (OL) 42a – Temperature conversions (10 questions) **3RD PERIOD** GA (OL) 43a – Pressure conversions (10 questions) **3RD PERIOD** GA (OL) 44 – Temperature conversions (10 questions) **5TH PERIOD** GA (OL) 45 – Pressure conversions (10 questions) **5TH PERIOD**
	Materials: • Computer • Calculator
	Follow Up/HW: ○ 3rd period: Complete GA (OL) 42a and 43a by Thursday, April 9, 2020. ○ 5th period: Complete GA (OL) 42 and 43 by Thursday, April 9, 2020.
Wednesday (2nd & 4th)	**Daily Objective/Standard:** ❖ We will be able to perform stoichiometric calculations including determination of mass and **gas volume** relationships between reactants and products and percent yield ❖ We will describe and calculate relations between volume, pressure, number of moles, and temperature for an ideal gas as described by Boyle's law, Charles' law, Avogadro's law and the ideal gas law ❖ We will describe the postulates of the kinetic molecular theory ❖ TEKS C.8(G), C.9(A), C.9(B)
	Agenda: ▪ Class meeting check in: Wednesday: 9:30 a.m. (2nd) & 11:00 p.m. for (4th) ▪ Live Session: Gases Day 2: Boyle's Law & Charles's Law ▪ Directions on how to access: Power point lecture with teacher explanation: Gases: Day 2 (Pre-recorded, located on Microsoft Teams app under files) ▪ This power point will cover Boyle's Law & Charles's Law ▪ Q & A Session about example problems from the power point

	CFU/Assessments - GA (OL) 42a – Temperature conversions (10 questions) **2ND PERIOD** - GA (OL) 43a – Pressure conversions (10 questions) **2ND PERIOD** - GA (OL) 44 – Temperature conversions (10 questions) **4TH PERIOD** - GA (OL) 45 – Pressure conversions (10 questions) **4TH PERIOD**
	Materials: • Computer • Calculator
	Follow Up/HW: ○ 2nd period: Complete GA (OL) 42a and 43a by Monday, April 13, 2020. ○ 4th period: Complete GA (OL) 44 and 45 by Monday, April 13, 2020.
Thursday (2nd & 4th)	**Daily Objective/Standard:** ❖ We will be able to perform stoichiometric calculations including determination of mass and **gas volume** relationships between reactants and products and percent yield ❖ We will describe and calculate relations between volume, pressure, number of moles, and temperature for an ideal gas as described by Boyle's law, Charles' law, Avogadro's law and the ideal gas law ❖ We will describe the postulates of the kinetic molecular theory ❖ TEKS C.8(G), C.9(A), C.9(B)
	Agenda: ▪ Class meeting: Friday: 9:30 a.m. (2nd) & 11:00 p.m. for (4th) ▪ Meeting will be for those who need help with the online assignments
	CFU/Assessments - GA (OL) 42a – Temperature conversions (10 questions) **2ND PERIOD** - GA (OL) 43a – Pressure conversions (10 questions) **2ND PERIOD** - GA (OL) 44 – Temperature conversions (10 questions) **4TH PERIOD** - GA (OL) 45 – Pressure conversions (10 questions) **4TH PERIOD**
	Materials: • Computer • Calculator
	Follow Up/HW: ○ 2nd period: Complete GA (OL) 42a and 43a by Monday, April 13, 2020. ○ 4th period: Complete GA (OL) 44 and 45 by Monday, April 13, 2020.