

Hayward Community Schools Curriculum Map

Grade Level(s):	10, 11, 12	Unit:	Stoichiometry	Subject:	Chemistry
When We Teach this Unit		What We Teach in this Unit (ICAN, Goals, or Objectives)		Standards Addressed	Assessment Type
1 week		Students will define stoichiometry.		HS-PS1	SR, PA, CR, O
		Students will describe the importance of the mole ratio in stoichiometric calculations.		HS-PS1	SR, PA, CR, O
		Students will write a mole ratio relating two substances in a chemical equation.		HS-PS1	SR, PA, CR, O
		Students will calculate the amount in moles of a reactant or product from the amount in moles of a different reactant or product.		HS-PS1	SR, PA, CR, O
		Students will calculate the mass of a reactant or product from the amount in moles of a different reactant or product.		HS-PS1	SR, PA, CR, O
		Students will calculate the amount in moles of a reactant or product from the mass of a different reactant or product.		HS-PS1	SR, PA, CR, O
		Students will calculate the mass of a reactant or product from the mass of a different reactant or product.		HS-PS1	SR, PA, CR, O
		Students will determine a method for determining which of two reactants is a limiting reactant.		HS-PS1	SR, PA, CR, O
		Students will calculate the amount in moles or mass in grams of a product, given the amounts in moles or masses in grams of two reactants, one of		HS-PS1	SR, PA, CR, O
		Students will distinguish between theoretical yield, actual yield, and percent yield.		HS-PS1	SR, PA, CR, O
		Students will calculate percent yield, given the actual yield and quantity of a reactant.		HS-PS1	SR, PA, CR, O

Assessment Types:

SR=Selected Response (matching, multiple choice, T/F) PA=Performance Assessment (performance or authentic tasks)

CR=Constructed Response (short answer/essay) O=Observation (interactive and non-interactive)