

Hayward Community Schools Curriculum Map

Grade Level(s):	11-12	Unit:	Introduction and Basic Concepts, Part b	Subject:	AP Chemistry
When We Teach this Unit		What We Teach in this Unit (ICAN, Goals, or Objectives)		Standards Addressed	Assessment Type
First		I am able to find the average atomic mass of an element, given the mass and relative abundance of its isotopes.		MATT.7.b	Multiple
		I am able to classify elements as metals, nonmetals or metalloids.		MATT.8	Multiple
		I am able to name an ionic compound, given its formula or provide a formula for an ionic compound, given its name.		MATT.9.a	Multiple
		I am able to name a molecular compound, given its formula or provide a formula for a molecular compound, given its name.		MATT.9.b	Multiple
		I am able to develop and deploy a mathematical model for a linear relationship.		MOD.1	Multiple
		I am able to use molar mass to convert between mass and moles of a substance.		STOICH.1.a	Multiple
		I am able to use Avogadro's number to convert between moles and number of particles.		STOICH.1.b.	Multiple
		I am able to use the formula of a compound to determine relative amounts of different types of particles to one another in a chemical compound.		STOICH.1.c	Multiple
		I am able to determine the percent composition of a compound, given the compound's formula or data from chemical analysis.		STOICH.2.a	Multiple
		I am able to determine the empirical formula of a compound, given percent composition data, or data from chemical analysis, including indirect analysis.		STOICH.2.b	Multiple
		I am able to determine the molecular formula of a compound, given an empirical formula or mass percent data and a molar mass.		STOICH.2.c	Multiple

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)