

Units	STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will ...	DATES TAUGHT/ ASSESSED	ASSESSMENT TYPE (classroom, STAR, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Method	SC-HS (All of the standards utilize these engineering concepts)	Student will learn how to use and implement the steps of the scientific method into an experiment	August	Project Formative Summative	All materials are delivered through Google Classroom	*Presentations “Solve the problems of the world” *Lab-”Clean contaminated water”
Data Analysis	SC.HS (All of the standards utilize these engineering concepts)	Students will learn how to utilize math and the data that is collected during scientific experiments	Sept.	Project Formative Summative	All materials are delivered through Google Classroom	*Data collection activities *Create a video demonstrating vocabulary concepts
Classification of Matter	SC.HS SC.HSP.3 (All of the standards utilize these engineering concepts)	Students will be able to organize and classify matter based on properties	September- October	Project Formative Summative	All materials are delivered through Google Classroom	*Organization Lab Activities

Atomic Basics	SC.HS.3 SC.HSP.3	Students will learn the fundamental basics of atomic structure	October-November	Project Formative Summative	All materials are delivered through Google Classroom	*Have I struck it Rich? Paper
Electrons and the EM Spectrum	SC.HS.2 SC.HS.4 SC.HSP.2 SC.HSP.4	Students will learn about electrons and their role in the EM spectrum	November	Formative Summative	All materials are delivered through Google Classroom	*Flame Test Lab *Van De Graff *Spectroscopes
Periodic Table	SC-HS.3 SC-HSP.3	Students will learn the organization and classification of elements	December	Projects Formative Summative	All materials are delivered through Google Classroom	*Colored Cards *It's in the Cards *Element Brochure
Chemical Bonding	SC.HSP.3	Students will learn the basics and fundamentals	January	Formative Summative	All materials are delivered through Google Classroom	*Dear Old Grandma
Chemical Reactions	SC.HS.5 SC.HSP.5	Students will learn the types of reactions and how and why they occur	February	Project Formative Summative	All materials are delivered through Google Classroom	*Song Challenge *April Fools Video

Stoichiometry	SC.HS.5 SC.HSP.5	Students will learn the mathematical relationship between the periodic table and a reaction	March	Project Formative Summative	All materials are delivered through Google Classroom	*Lab Report Weekly *5 Day Lab Project
Solids, Liquids, Gases	SC.HSP.3	Students will learn about phases of matter, phase changes, and the interactions that occur between atoms	April-May	Project Formative Summative	All materials are delivered through Google Classroom	*Weekly Quiz Unit Exam *Demonstration Days *Why Chemistry Project