Subject	Grade	Stream	Course	TERM	Source	UNIT Number	Unit Name	Number or Periods	Module Number	Module Name	Lesson Number	Lesson Name	Type of learning
Chemistry	G12	ADV	ADVCHM.C.101	T1	Book available in printed version, and in Digital	U1	Matter, Energy, and equilibrium	12 periods	U3M14	Energy and Chemical Change	U3M14L1	Energy	Self Learning Direct learning (Applications)
											U3M14L2	Heat	Direct learning
											U3M14L3	Thermochemical Equations	Direct learning
											U3M14L4	Calculating Enthalpy Change	Direct learning
											U3M14L5	Reaction Spontaneity	Self Learning Direct learning
								12 periods	U3M15	Reaction Rates	U3M15L1	A Model for Reaction Rates	In-school direct learning / Virtual direct learning
											U3M15L2	Factors that Affect Reaction Rates	Enrichment
											U3M15L3	Reaction Rate Laws	In-school direct learning / Virtual direct learning
								9 periods	U3M16	Chemical Equilibrium	U3M16L1	A State of Dynamic Balance	Self Learning (What is equilibrium) Direct learning
											U3M16L2	Factors Affecting Chemical Equilibrium	Self Learning (explanation through an experiment) Direct learning
											U3M16L3	Using Equilibrium Constants	Direct learning Self Learning
				T2		U3	Matter, Energy, and equilibrium	12 periods	U3M17	Acids and Bases	U3M17L1	Introduction to Acids and Bases	Self Learning
											U3M17L2	Strengths of Acids and Bases	Self Learning Direct learning
											U3M17L3	Hydrogen ions and pH	Direct learning Self Learning (experiment + applications)
											U3M17L4	Neutralization	Direct learning Self learning (experiment +applications) Enrichment (Salt Hydrolysis)
						U4	Oxidation and reduction reactions	8 periods	U4M18	Redox Reactions	U4M18L1	Oxidation and Reduction	In-school direct learning / Virtual direct learning
											U4M18L2	Balancing Redox Equations	In-school direct learning / Virtual direct learning
								10 periods	U4M19	Electrochemistry	U4M19L1	Voltaic Cells	In-school direct learning / Virtual direct learning
											U4M19L2	Nernst Eq	Enrichment
											U4M19L3	Electrolysis	Direct learning Self learning (Summary)
				T3		U5	Organic and Nuclear chemistry	10 periods	U5M20	Hydrocarbons	U5M20L1	Introduction to Hydrocarbons	Self Learning
											U5M20L2	Alkanes	In-school direct learning / Virtual direct learning
											U5M20L3	Alkenes and Alkynes	In-school direct learning / Virtual direct learning
											U5M20L4	Hydrocarbon Isomers	In-school direct learning / Virtual direct learning Chiral molecules and steriosiomers are Enrichment
											U5M20L5	Aromatic Hydrocarbons	Self learning (Summary)
								8 periods	U5M21	Substituted Hydrocarbons and Their Reactions	U5M21L1	Alkyl Halides and Aryl Halides	In-school direct learning / Virtual direct learning
											U5M21L2	Alcohols ,Ethers, and Amines	In-school direct learning / Virtual direct learning
											U5M21L3	Carbonyl Compounds	In-school direct learning / Virtual direct learning
											U5M21L4	Other Reactions of Organic Compounds	In-school direct learning / Virtual direct learning
											U5M21L5	Polymers	Enrichment
						U3	Matter, Energy, and equilibrium	3 periods	U3M15	Reaction rates	U3M15L4	Reaction Instantaneous and Reaction Rates	In-school direct learning / Virtual direct learning