

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/ What is Life Science?		Student will learn how to use and implement the steps of the scientific method into an experiment. Students will learn the characteristics of life	August	Formative Summative	Lecture, powerpoint, Google Classroom	Design and carry out an experiment Outdoor observations
Ecology	SC.HSP.7	Students will learn how organisms interact in an ecosystem	Sept.	Project Formative Summative	Lecture, powerpoint, Google Classroom	Biodiversity of the schoolyard, Biome research
Chemistry of Life	SC.HS.8.3.B	Students will be able to recognize atomic structure and key elements found in living organisms and their purpose.	October	Formative Summative	Lecture, powerpoint, Google Classroom	Acids and Bases, Testing for sugars and starches
Cellular Structure	SC.HS.6	Students will learn the structures that make up a cell	November	Project Formative Summative	Lecture, powerpoint, Google Classroom	Egg osmosis, Cell model, Single celled organisms in water
Photosynthesis and Cellular Respiration	SC.HS.8.3.C SC.HS.8.3.F	Students will understand how energy and the processes of photosynthesis and cellular respiration are related	December	Formative Summative	Lecture, powerpoint, Google Classroom	Cellular respiration in humans

Mitosis/Meiosis	SC-HS.6.1.D	Students will understand the difference between mitosis and meiosis, including genetic differences	January	Projects Formative Summative	Lecture, powerpoint, Google Classroom	Clay models of meiosis
DNA	SC.HS.6	Students will understand how DNA is structured and how that structure leads to different proteins and traits	February	Project Formative Summative	Lecture, powerpoint, Google Classroom	DNA Model
Genetics	SC.HS.9	Students will understand the different patterns of inheritance	March	Project Formative Summative	Lecture, powerpoint, Google Classroom	Write and analyze pedigrees
Evolution	SC.HS.10	Students will understand how natural selection works and the evidence that exists for evolution	April	Project Formative Summative	Lecture, powerpoint, Google Classroom	Research a geological period
Taxonomy	SC.HSP.10.5	Students will understand how living things are organized and grouped together	April-May	Project Formative Summative	Lecture, powerpoint, Google Classroom	Build a classification key