8th Grade Science 2010-2011 Syllabus Mrs. Turner

Welcome to what I hope will be the best year of Science that you have ever had! In eighth grade, Science class explores the concept of scale. We learn about scientific ideas that affect large areas over long periods of time, and other ideas that concern only extremely tiny spaces. We will be considering the smallest living things and pieces of living things, and we will explore the world of elements and compounds they become. Our investigations will delve into the history of Earth and its inhabitants. We will also dive into the water on Earth and how it impacts our lives. You will get to do lots of hands-on experiments and work on some really fun projects. Below you will find a summary of the units that we will learn about in Science this year, and some of my class policies.

DATES	Unit	HIGHLIGHTS	Major Assignments
1st Nine Weeks	Hydrosphere B Properties of water Cohesion/Adhesion Universal Solvent Density	⊕ Water Lab ⊕ Density Lab ⊕ Model of an Aquifer	Water Poems Water Cycle Poster
	Ground water Wetlands, Estuaries Water resources of NC Oceanography Salinity Ocean Features Marine Ecosystems Movement of Ocean Water	🖰 Plankton Lab	Lorax Project
	Humans and Hydrosphere Pollution pH Nitrates Water Quality	🖰 Water Quality Lab	
2 nd Nine Weeks	Lab Safety	Lab Safety Posters	Lab Safety Quiz
3 HHVS	Geologic Time Stratigraphy Geologic Time Scale Changes over Time	Model of Geologic Time	Time scale of Life
and the second	 Evolution Fossils Plate Tectonics Remote Sensing and Climate Change 	Molds and CastsMilky way LabPangaea Puzzle	Evolution of Objects
3 rd Nine Weeks	Chemistry Study of Matter Atoms Elements/P. Table Conservation of Matter Human Health Impacts	Atom Drawing Balancing Equations Gumdrop Molecules Obleck	Adopt-an-Element Project My Periodic Table Project
4 th Nine Weeks	Cell Theory and Microbiology Cell Theory Cell Function and Division Types of Microbes Health Risks/Preventions Biotechnology	Bacteria Lab Animal/Plant Cells Protist Lab Osmosis lab Mitosis Flipbook Model of Cell Division Infected Population Hand washing Lab	Bacteria Wanted Posters