

Also covered in Grades	Earth and Space	Also covered in Grades	Life	Also covered in Grades	Physical
	Temperature and rainfall determine climate zones and affect makeup of biomes <i>GCS Grade 7</i>	4	Food chains and food webs	8	Motion - How friction affects movement <i>GCS Grade 3</i>
	Research representative forms of life in biomes <i>GCS Grade 7</i>		Producers, decomposers, herbivores, carnivores, omnivores	8	Ramps - inclines affect speed <i>GCS Grade 3</i>
					Explore simple machines <i>GCS Grade 3</i>
	Field test water samples <i>GCS Grade 7</i>	4	Interdependence of plants and animals in terms of food and natural fertilizers	8	Disassemble old toy <i>GCS Grade 3</i>
					Make Rube Goldberg invention <i>GCS Grade 3</i>
6,7	Identify changes in particular environmental or geographical area resulting from interaction of living organisms <i>GCS Grade 8</i>	4	Life Cycles of flowering plants; animals <i>GCS Grade 4</i>	3,4,8	Mechanical Advantage
				3,4,7,8	Physical and Chemical Changes <i>GCS Grade 4</i>
			World environments (biomes); How animals and plants' survival is affected in these areas	6,7,8	Use physical properties (size, color, texture, odor, weight, shape) to classify objects <i>GCS Grade 4</i>
				7	Atoms are not changed in physical change <i>GCS Grade 6</i>
			Water and water treatment <i>GCS Grade 3</i>	7,8	Atomic Structure
					Chemical changes involve a movement within molecule to form new substances <i>GCS Grade 6</i>
			Biotic and abiotic resources <i>GCS Grade 7</i>		Chemical changes in cooking <i>GCS Grade 6</i>
			Stream, lake water testing for # and type of organisms and see relationship to biotic and abiotic resources <i>GCS Grade 7</i>	7	Make models of molecules and atoms <i>GCS Grade 6</i>
				6,7	Structure and particles in atoms and molecules <i>GCS Grade 6</i>
			Develop an environmental ethic <i>GCS Grade 7</i>	8	Density <i>GCS Grade 6</i>
				8	Volume, Mass, Weight <i>GCS Grade 6</i>
				7	Relationship of density to arrangement of atoms in substance <i>GCS Grade 6</i>
				3,7	Three basic states of matter and other categories for in between states e. g. plasma <i>GCS Grade 4</i>
	What is Science?			7	Movement of molecules in the different states of matter <i>GCS Grade 4</i>
	Steps of the Scientific Method				
4,6	Conduct science experiments with one or two identified variables			6	Acids and bases <i>GCS Grade 6</i>
4,6	Fact and opinion in science; Facts and theories change as new knowledge is gained			7	Reading chemical formulas
4,6	Scientific experiments must be replicated over and over in various places/conditions before they are accepted as fact			7	Periodic Table (atomic mass, weight, symbol)
4,6	Evaluate observations and measurements of others to identify reasons for discrepancies				
6	Choose appropriate metric units				
4,6	Communicate results of an investigation				
				4,6,8	Measurement with rulers, thermometers, watches, balances, spring scales, magnifiers, microscopes, calculators to conduct investigations and communicate findings