

Science Curriculum: Grade 7

Georgia Performance Standards: Year Curriculum Map

This document is part of a framework that is designed to support the major concepts addressed in the Seventh Grade Science Curriculum of the Georgia Performance Standards through the processes of inquiry. These units are written to be stand alone units that may be taught in any sequence.

1 st 9 weeks		2 nd 9 weeks		3 rd 9 weeks		4 th 9 weeks	
Unit: Ecology	Unit: Energy Flow and Nutrient Cycling	Unit: Structure and Function of Cells	Unit: Organization of Life	Unit: Biological Traits and Heredity	Unit: Evidence of Evolution		
5-6 weeks	4-5 Weeks	5-6 weeks	4-5 weeks	5-6 weeks	4-5 weeks		
<i>Focus:</i> Environmental conditions/ characteristics Factors effecting survival of organisms Interdependence of organisms	<i>Focus:</i> Transfer and recycling of matter and energy Relationships between organisms Interdependence of organisms	<i>Focus:</i> Cell structure Cell functions Levels of cellular organization	<i>Focus:</i> Levels of cellular organization Roles of major systems Interaction of systems Comparison between six kingdoms	<i>Focus:</i> Roles of genes and chromosomes Inheritance of specific traits Asexual and sexual reproduction of organisms	<i>Focus:</i> Natural selection Environmental conditions Fossils Evidence of change		
Each unit integrates laboratory experiences and field work using the process of inquiry.						GPS/End of Course Testing	
NOTE: There are several strategies that are common throughout the units such as the use of a laboratory notebook, written laboratory reports, and common teaching strategies. Keeping in mind that the standards are recursive in nature, it should be noted that many of the standards are revisited in different units throughout the year.							