

## 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 <sup>st</sup> 9 weeks		2 <sup>nd</sup> 9 weeks		3 <sup>rd</sup> 9 weeks		4 <sup>th</sup> 9 weeks	
<b>Unit:</b> Ecology	<b>Unit:</b> Energy Flow and Nutrient Cycling	<b>Unit:</b> Structure and Function of Cells	<b>Unit:</b> Organization of Life	<b>Unit:</b> Biological Traits and Heredity	<b>Unit:</b> Evidence of Evolution		
5-6 weeks	4-5 Weeks	5-6 weeks	4-5 weeks	5-6 weeks	4-5 weeks		
<b><i>Focus:</i></b> Environmental conditions/ characteristics  Factors effecting survival of organisms  Interdependence of organisms	<b><i>Focus:</i></b> Transfer and recycling of matter and energy  Relationships between organisms  Interdependence of organisms	<b><i>Focus:</i></b> Cell structure  Cell functions  Levels of cellular organization	<b><i>Focus:</i></b> Levels of cellular organization  Roles of major systems  Interaction of systems  Comparison between six kingdoms	<b><i>Focus:</i></b> Roles of genes and chromosomes  Inheritance of specific traits  Asexual and sexual reproduction of organisms	<b><i>Focus:</i></b> Natural selection  Environmental conditions  Fossils  Evidence of change		
<b>Each unit integrates laboratory experiences and field work using the process of inquiry.</b>						<b>GPS/End of Course Testing</b>	
<b>NOTE:</b> 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.							