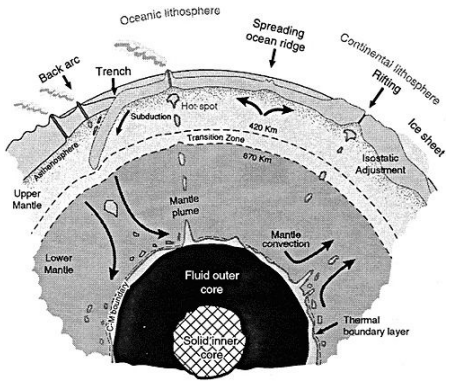
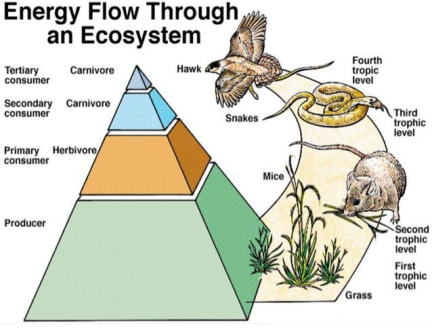
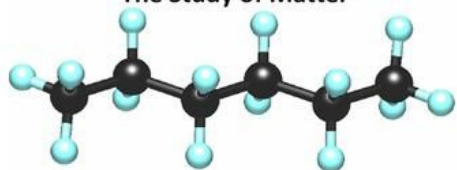



Seventh Grade Science

Windsor Knolls Middle School

In seventh grade science, our curriculum is divided into four modules, or units of study. Each module covers the disciplines of Earth, Physical, and Life Science focused around a specific topic. There will be one FCPS Benchmark Assessment given per modules.

	<h3 style="text-align: center;">Earth's Processes</h3> <ul style="list-style-type: none"> ● The rock cycle ● Weathering and Erosion ● Plate Tectonics ● Relative Dating & Geologic Time ● Resource distribution & extraction
<h3 style="text-align: center;">Energy Flow Through an Ecosystem</h3> 	<h3 style="text-align: center;">Energy Flow</h3> <ul style="list-style-type: none"> ● Kinetic and Potential Energy ● Relationship between magnetism and electric forces ● Magnetic fields ● Photosynthesis & Cellular Respiration ● Carbon Cycle ● Food Webs & Energy Pyramids
<h3 style="text-align: center;">The Study of Matter</h3>  <h2 style="text-align: center;">CHEMISTRY</h2>	<h3 style="text-align: center;">Chemistry & Matter</h3> <ul style="list-style-type: none"> ● Thermal Energy (Endo and Exothermic reactions) ● Conservation of Mass ● Molecular structure ● Chemical & Physical Properties and Changes
	<h3 style="text-align: center;">Human Impact on Earth</h3> <ul style="list-style-type: none"> ● Carrying Capacity of Ecosystems ● Pollution ● Technologies to monitor and mitigate human impact on Earth ● Effect of human population growth on resource availability ● Synthetic materials

