

# East Carter County High School

## Biology Pacing Guide

Content Area: Biology

Grade: 10-12

Quarter	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
<b>1</b>									
	<p><b>Living Systems Unit 1: Life in the Earth System; Cells to Body Systems; Mechanisms of Homeostasis (3 weeks)</b>  <b>Reteach &amp; Enrich</b> -Week 4</p> <p><b>Chemistry in living systems Unit 2: Chemical bonds and reactions; carbon-based molecules (3 weeks)</b>  <b>Reteach &amp; Enrich</b> - Week 8</p>								
<b>2</b>									
	<p><b>Matter and Energy in Living Systems Unit 3: photosynthesis; cellular respiration; modeling matter and energy in ecosystems; cycling of matter and energy in ecosystems (6 weeks)</b>  <b>Reteach &amp; Enrich</b> -Week 7-8</p>								
<b>3</b>									
	<p><b>Ecosystems: Stability and Change Unit 4: Population Dynamics; ecosystem dynamics (3 weeks)</b>  <b>Cell: Stability and Change Unit 5: The cell cycle; mitosis and differentiation (2 weeks)</b></p>								

	<p>The structure and Function of DNA Unit 6: DNA structure and replication; Protein Synthesis; Gene Expression and regulation (3 weeks)  <b>Reteach &amp; Enrich</b> -Week 9</p>								
4	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
	<p>Genetics and Heredity Unit 7: Meiosis; Mendel and Heredity; Traits and Probability; mutations and genetic diversity; genetic engineering (5 weeks)  <b>Reteach &amp; Enrich</b> -Week 6  <b>Preparing for/taking finals (weeks 7-8)</b></p>								