





Biology

Month	Content	Skills
September	<p>A. Scientific Method</p> <ol style="list-style-type: none"> 1. Define Problem 2. Form a Hypothesis 3. Set up a Controlled Experiment 4. Record Results 5. Draw a Conclusion <p>B. Measurement</p> <ol style="list-style-type: none"> 1. Metric System 2. Graphing <p>C. Microscopes</p>	<p>A1. Explain what a hypothesis is.</p> <p>A2. Describe how scientists test hypothesis</p> <p>A3. Explain how scientific theory develops.</p> <p></p> <p>B1. Describe the SI measurement system</p> <p>B2. Demonstrate how to properly convert within the metric system</p> <p>C1. Contrast light and electron microscopes</p> <p>C2. Identify and label parts of a light microscope</p>
October	<p>A. Characteristics of Life</p> <ol style="list-style-type: none"> 1. Cells 2. Continuity 3. Genetic Material 4. Growth and Development 5. Energy 6. Homeostasis 7. Evolution <p>B. Classification</p> <ol style="list-style-type: none"> 1. Levels of Organization 2. Taxonomy 3. Kingdoms <p>C. Chemistry of Life</p> <ol style="list-style-type: none"> 1. Matter 2. Energy 	<p>A1. Describe some characteristics of living things</p> <p></p> <p>B1 Explain how life can be studied at different levels.</p> <p>B2. Explain how evolutionary relationships are important in classification.</p> <p>B3. Name the six kingdoms of life and describe properties of each</p> <p></p> <p>C1. Identify the subatomic particles found in the atom</p> <p>C2. Explain the different states of matter</p> <p>C3. Explain what chemical compounds are</p> <p>C4. Describe the two main types of chemical bonds</p> <p>C5. Describe how energy changes affect how a chemical reaction will occur</p> <p>C6. Explain why enzymes are important to living things</p> <p></p>
November	<p>A. Ecology</p>	<p>A1. Identify the levels of organization</p> <p>A2. Trace the flow of energy through living systems</p> <p>A3. Evaluate the efficiency of energy transfer among organisms in an ecosystem</p> <p>A4. Identify the source of energy for life processes</p> <p>A5. Describe how matter cycles among biotic and abiotic components of an</p>

