

## Chenango Valley CSD Life Science NGSS Curriculum Unit

<b>Teacher Name:</b> Sue Dutter		<b>Course Name:</b> Life Science		<b>Quarter:</b> 1
<b>Date Range</b> September – 15 days				
<b>Unit Name</b> <b>MS. Matter and Energy in Organisms and Ecosystems – Limited to Scientific Method</b>				
Content (Outcomes)	Skills (Outcomes)	Assessment	• Materials & Texts	
<b>Introduction to Science</b> Types of Science Measurement Metric System Scientific Method Lab Procedures Lab Equipment Lab Safety	SWBAT with standard: MS-LS1-6. Construct a scientific explanation based on evidence. MS-LS1-7. Develop a model. Analyze and interpret data. . MS-LS2-4. Construct an argument supported by empirical evidence. <b>ELA/Literacy –</b> <b>RST.6-8.1</b> Cite specific textual evidence to support analysis of science and technical texts. (MS-LS1-6),(MS-LS2-1),(MS-LS2-4) <b>RST.6-8.2</b> Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions. (MS-LS1-6) <b>RST.6-8.7</b> Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table). (MS-LS2-1)	Labs: Apples and Lemons How High Does a Ball Bounce Length, Volume, Mass, Density Labs Smile Metric Style Metric Measurements and Conversions Using Graphing Skills Test/Quizzes Teacher Observation	<ol style="list-style-type: none"> <li>1. Homework Problems</li> <li>2. Supplementary Readings</li> <li>3. Laboratory Experiments</li> <li>4. Textbook Guided Readings</li> <li>5. Teacher Generated Power Points</li> </ol>	

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	<p><b>RI.8.8</b> Trace and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient to support the claims. (MS-LS2-4)</p> <p><b>WHST.6-8.1</b> Write arguments to support claims with clear reasons and relevant evidence. (MS-LS2-4)</p> <p><b>WHST.6-8.2</b> Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content. (MS-LS1-6)</p> <p><b>Mathematics –</b></p> <p><b>6.EE.C.9</b> Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. (MS-LS1-6),(MS-LS2-3)</p>		
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	<p><b>WHST.6-8.9</b> Draw evidence from informational texts to support analysis, reflection, and research. (MS-LS1-6),(MS-LS2-4)</p> <p><b>SL.8.5</b> Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest. (MS-LS1-7),(MS-LS2-3)</p>		
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