

<b>Week, Date</b>	<b>Competency, Objective</b>	<b>Content Matter</b>
Aug 8	Comp 8: Analyze properties of matter. <ol style="list-style-type: none"> <li>a. Determine experimentally physical and chemical properties including density, conductivity, and reactions with water, acids, and bases.</li> <li>d. Distinguish among atoms, ions, and molecules.</li> </ol> Comp 10: Investigate the transfer of energy. <ol style="list-style-type: none"> <li>c. Research and discuss energy transformation.</li> <li>d. Convert one energy form to another.</li> </ol>	The Atom, Electricity
Aug 13	Comp 8: Analyze properties of matter. Comp 10: Investigate the transfer of energy. <ol style="list-style-type: none"> <li>d. Convert one energy form to another.</li> </ol>	Magnetism
Aug 20	Comp 10: Investigate the transfer of energy. <ol style="list-style-type: none"> <li>b. Illustrate wave motion in different media.</li> <li>c. Research and discuss energy transformation.</li> <li>d. Convert one energy form to another.</li> <li>e. Analyze mechanical waves and electromagnetic waves.</li> </ol>	Electromagnetic Waves Light, Sound
Aug 27 -Sep 3	Comp 8: Analyze properties of matter. <ol style="list-style-type: none"> <li>b. Interpret information given on the periodic table.</li> <li>d. Distinguish among atoms, ions, and molecules.</li> </ol>	The Periodic Table
Sep 10 -Sep 17	Comp 8: Analyze properties of matter. <ol style="list-style-type: none"> <li>b. Interpret information given on the periodic table.</li> <li>c. Write simple formulas for compounds.</li> <li>d. Distinguish among atoms, ions, and molecules.</li> </ol>	Chemical Bonding
Sep 24 -Oct 1	Comp 8: Analyze properties of matter. <ol style="list-style-type: none"> <li>a. Determine experimentally physical and chemical properties.</li> <li>b. Interpret information given on the periodic table.</li> <li>c. Write simple formulas for compounds.</li> <li>d. Distinguish among atoms, ions, and molecules.</li> <li>e. Determine the density of regular and irregular objects.</li> <li>f. Determine experimentally how acidic or basic a substance is using a pH scale indicator.</li> </ol> Comp 10: Investigate the transfer of energy. <ol style="list-style-type: none"> <li>a. Measure the transfer of heat between two objects using the Celsius scale.</li> <li>c. Research and discuss energy transformation.</li> </ol>	Chemical Reactions, Chemical Equations
Oct 8	9 Weeks Test *****	Review, Study
Oct 15	Comp 9: Explore the application of simple and complex machines. <ol style="list-style-type: none"> <li>a. Apply and demonstrate Newton's Three Laws of motion using simple machines.</li> </ol> Comp 8: Analyze properties of matter. <ol style="list-style-type: none"> <li>g. Introduce the factor label method for unit conversions in the metric system.</li> </ol>	Forces and Newton's Laws



Jan 21	<p>Comp 2: Analyze genetic continuity of organisms,</p> <ol style="list-style-type: none"> <li>Define meiosis b relating the process to genetic continuity.</li> <li>Compare and contrast genotype and phenotype.</li> <li>Explain advantages and disadvantages of both hybrid and purebred species of plants and animals.</li> <li>Examine genes as a section of a DNA molecule that carries the genetic code for inherited traits.</li> </ol>	Traits, Genetics
Jan 28	<p>Comp 6: Investigate the Earth's geological past.</p> <ol style="list-style-type: none"> <li>Identify the components/ stages of a geological timetable and discuss how the environment (including animals and landforms) has changed in each period.</li> </ol>	Environmental Survival, Darwinian Theory
Feb 4	<p>Comp 5: Investigate atmospheric movements that affect the Earth system.</p> <ol style="list-style-type: none"> <li>Analyze the cycles including nitrogen, water, carbon dioxide, oxygen.</li> <li>Use weather maps for analyzing and predicting weather.</li> <li>Construct a weather map to forecast the weather over a region, giving temperature in degrees Celsius.</li> </ol>	Nonliving Environment
Feb 11	<p>Comp 4: Examine the physical factors of populations as they relate to the formation of ecosystems.</p> <ol style="list-style-type: none"> <li>Analyze the adaptation of representative organisms to aquatic or terrestrial environments.</li> <li>Evaluate the effects of urbanization on aquatic or terrestrial ecosystems.</li> <li>Analyze how predation and food webs help structure communities.</li> </ol>	Ecosystems
Feb 18	<p>Comp 1: Analyze and relate structure and functions in living systems.</p> <ol style="list-style-type: none"> <li>Analyze body systems and their functions.</li> <li>Relate interactions among body systems.</li> <li>Identify the parts of and show the interaction between the reproductive and endocrine systems.</li> <li>Examine diseases that are the result of body system failures or infection by other organisms.</li> </ol>	Interactions of Human Systems
Feb 25	State Testing Review *****	Review
Mar 3	State Testing *****	Study
Mar 10	9 Weeks Tests *****	Review Study
Mar 17	Spring Break !!!	Beach, Sun, and Fun!!!!

Mar 24 -Mar 31	Comp 3: Determine the economic factors that influence the regulation and behavior of organisms. a. Appraise the economic factors associated with regulations and protection of the environment. b. Explain environmental degradation to include overpopulation, biodiversity, sea-level rise, and enhanced greenhouse effect.	Environmental Conservation
Apr 7 -Apr 28	Competencies 1-10 All-encompassing unit plan reiterating all objectives.	"Investigating Science" unit plan
May 5	Review for finals	Review and Repeat
May 12	Finals *****	Study, Study
May 21	School's Out for Summer!	BBQ's, Vacations, and Swimming

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