

Short Term Targets	Practice / notes	Assessments	Current Score	Goal	Reflection
I can distinguish between physical and chemical properties and changes.					
I can identify and classify properties of matter.					
I can make observations and inferences and identify examples of each.					
I can explain the water treatment process and the importance of each step.					
I can explain methods of water treatment used locally and globally.					
I can create a hypothesis using supporting evidence					
I can design replicable research procedures that control for confounding variables.					
I can create graphs that accurately display data.					
I can use evidence to evaluate whether the hypothesis was supported or contradicted.					
I can provide a detailed written description of collected data.					
I can cite strong and thorough textual evidence to support analysis of a text.					
I can use appropriate spelling, grammar, mechanics and conventions.					
I can stay attentive to personal safety and minimize risk to myself and others.					
I can organize data into a data table.					

Short Term Targets	Practice / notes	Assessments	Current Score	Goal	Reflection
I can describe the connection between course content and the investigation.					
I can explain an event using data.					
I can calculate the density of various objects and use appropriate units to represent density.					
I can make conversions using dimensional analysis.					
I can use unit conversions to convert from one unit to another.					
I can use the appropriate lab equipment to measure volume, mass, distance and time accurately.					

Short Term Targets	Practice / notes	Assessments	Score	Goal	Reflection
I can describe the number and arrangement of subatomic particles within an atom or ion.					
I can explain the basic organizing principles of the periodic table.					
I can relate an element's position on the periodic table to its electron configuration.					
I can use the periodic table to compare trends in periodic properties, such as ionization energy, electronegativity, electron affinity, and relative sizes of atoms and ions.					
I can explain the discovery (history) and common uses of my element.					
I can distinguish between chemical and physical properties and changes.					
I can draw the Lewis structure of an element					
I can explain how elements and compounds are found in water and the significance of my element in water as it relates to human health.					
I can cite my sources using the MLA format.					
I can create a visual representation to display content with accuracy and creativity.					
I can demonstrate full knowledge of content by answering questions from an audience.					
I can present my work with confidence through appropriate pacing, eye contact, and pronunciation.					
I can use appropriate spelling, grammar, mechanics and conventions.					
I can create graphs that accurately display data.					

Short Term Targets	Practice / notes	Assessments	Score	Goal	Reflection
I can explain the transitions of electrons between energy levels.					
I can explain the formation of ions.					
I can describe the connection between course content and the investigation.					

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I can write a balanced chemical equation.					
I can classify reactions of various types such as single and double replacement, synthesis, and decomposition.					
I can describe chemical reactions and predict the products based on reaction type.					
I can describe how naturally occurring isotopes are radioactive.					
I can describe the process of radioactive decay.					
I can explain the half-life of a radioactive element.					
I can describe the process of nuclear power and the advantages and disadvantages of the process.					
I can analyze the health impacts of elements and compounds found in the environment.					
I can analyze reliable informational text.					
I can explain the implications of data.					
I can use scientific data and research to support a claim.					
I can use appropriate spelling, grammar, mechanics and conventions.					

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I can explain the concept of a <i>mole</i> and can convert between moles and number of particles.					
I can calculate the ratio of mass in a compound, known as <i>percent composition</i> .					
I can calculate molarity.					
I can make conversions using dimensional analysis.					