

**7th GRADE Core Knowledge Science Curriculum Map
Liberty Common High School**

August/September	<ul style="list-style-type: none"> *review scientific method *Introduction to Chemistry
October	<ul style="list-style-type: none"> *Development of chemical knowledge: Democritus, Lavoisier, Dalton, Mendeleev, Bohr *Atomic Structure/Models of atoms *Periodic Table of Elements *Mixtures and Compounds *States of Matter *Chemical and physical changes
November	<ul style="list-style-type: none"> *Chemical bonds * Writing names and formulas of compounds *Chemical reactions
December	<ul style="list-style-type: none"> *Writing and balancing chemical equations *Acids and Bases *Energy in Reactions *Solutions, Colloids and Suspensions
January	<ul style="list-style-type: none"> *Review cells and cell structures *Cell division: mitosis and meiosis *Asexual vs. Sexual Reproduction
February	<ul style="list-style-type: none"> Genetics: *gene-chromosome connection <li style="padding-left: 20px;">*Gregor Mendel <li style="padding-left: 20px;">*Punnett Squares <li style="padding-left: 20px;">*Human Inheritance
March	<ul style="list-style-type: none"> *Structure of DNA *Genetic Engineering *Modern researchers in genetics
April/May	<ul style="list-style-type: none"> History of the Earth and Life Forms *Paleontology *Geologic Time: Eras and Periods, and the organisms existing at those times *Evolution *Natural Selection *Extinction and Speciation