Science 7 Core Knowledge
Liberty Common High School

August/September	*review scientific method *Introduction to Chemistry
October	*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	*Chemical bonds * Writing names and formulas of compounds *Chemical reactions
December	*Writing and balancing chemical equations *Acids and Bases *Energy in Reactions *Solutions, Colloids and Suspensions
January	*Review cells and cell structures *Cell division: mitosis and meiosis *Asexual vs. Sexual Reproduction
February	Genetics: *gene-chromosome connection *Gregor Mendel *Punnett Squares *Human Inheritance
March	*Structure of DNA *Genetic Engineering *Modern researchers in genetics
April/May	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