

MONTH	PE	Content	Details
<b>August - September</b>	MS-LS1-8	Lab Safety Tools & Measurement Scientific Method Engineering Method Data Collection and Analysis The Human Brain Cells	<i>Safety Contract, Safety Symbols SI Base Units, Conversions, Tools/Procedures for Measuring, Scientific Method, Engineering Method, Hypothesis (If, Then), Control Group, Experimental Group, Dependant Variable, Independant Variable, DRY MIX, Data Collection, Graphing, Types of Graphs, Analysis, Conclusion, Neurons, Synapses, Cells, Reactions</i>
<b>October</b>	MS-PS1-2 MS-PS2-4 MS-PS1-1 MS-PS1-2 MS-PS3-6	Matter Mass Density Volume Properties Chemical Properties States of Matter Molecules Periodic Table Energy Trasfer Conservation of Energy Kinetic Energy Potential Energy	<i>Matter, Mass, Gravity, Density, Volume, Water Displacement, Weight, <math>V=lwh</math>, Calcuations of V and D, <math>D=m/V</math>, Physical Properties, Chemical Properties, Physical Changes, Chemical Changes, Solids, Liquids, Gases, Proton, Neutron, Electron, Model, Bonding, Crystals, Subunits, Atomic Number, Atomic Mass, Groupings on the Periodic Table, PE, ME, KE, Centripital force, heat, light, sound</i>
<b>November</b>	MS-ESS1-1 MS-ESS1-2 MS-ESS1-3	The Universe and Stars Earth and Solar System Gravity Scale Models	<i>Gravitational Force, Earth, Sun, Stars, Moon, Eclipses, Axis, Tilt, Motion of Sun/Moon/Stars, Rotation, Tides, Constellations, Elliptical Orbit, Revolution, Milky Way, Galaxy, Planets, Asteroids, Solar System, Earth based instruments, Space Based Telescopes, Spacecrafts, Satellites, Scale Properties, Models, Data, Scientific Discoveries</i>
<b>December</b>	MS-ESS2-5 MS-ESS2-6 All above.	Weather Climate Role of Water in Earth's Surface <b>SEMESTER TEST</b>	<i>Air Mass, High Pressure System, Low Pressure System, Temperature, Pressure, Humidity, Precipitation, Wind, Weather Prediction, Weather Maps, Condensation, Density Variations, Salinity, Ocean Currents, Sunlight, Atmosphere, Ice, Landforms, Latitude, Altitude, Geopgraphy Interaction, Atmospheric Circulation, the Coriolis Effect, el nino, la nina, convection cycle</i>

<b>January - February</b>	MS-LS3-1 MS-LS3-2 MS-LS1-5	Genetics Heredity Ancestry Reproduction Genetic Factors Sucessful Traits	<i>DNA, Nueclotides, Phenotype, Genotype, Alleles, Traits, Genes, Chromosomes, Cells, Nucles, Body Cells, Homogeneous, Heterogeneous, Reproduction, Asexual, Sex Cells, Sexual, Mitosis, Meiosis, Anaphase, Telophase, Prophase, Metaphase, Cytokenesis, The Cell Cycle,</i>
<b>March-April</b>	MS-LS4-3 MS-LS4-4 MS-LS4-5 MS-LS4-6	Artificial Selection Diversity (Evolution) Natural Selection	<i>Parental Generation, F1 Generation, Generation, Charles Darwin, Finches, HMS beagle, Overproduction, Selection, Adaptation, Genetic Variation, Variation, Zygotes, Fertilization, Budding, Spore Formation, Binary Fission, Dominant, Recessive, Codominant, Incomplete Dominance, Punnett Square, Environmental Factors, Family Tree, Pedigree,</i>
<b>May</b>	MS-LS1-4 ALL	Animal Behavior Plant Behavior      Review for Semester Test Remediate standards if needed <b>Semester Test</b>	<i>Inate, Learned, Adaptations, Growth Factors, Nature vs. Nurture,</i>