

8th Grade/Subject Curriculum Map

Dates	Units/Curriculum Connections	Standards Met	Assessments	Resources /Materials used
Sept/ Oct	Scientific Method/Inquiry Metric System Scientific Notation Cardiovascular System Respiratory System	SPS1 SPS2 SPS3 SPS4 ESS3.1 ESS4.1/.2 PS1.2 PS4.1/.2/.4 LS1.1/.2	Homework Quiz/Test/Lab Write-ups Observation/Discussion Equipment Use Activities Color Lab Gummy Bear Lab Calculations/Graphing Heart Activity	Textbook Internet Lab Equipment: beakers, graduated cylinders, triple beam balance, metersticks, test tubes, thermometers Videos
Nov/ Dec	Laws of Motion Speed Acceleration Momentum	PS3.1/.2 PS4.1/.2 ESS2.3 ESS3.1	Homework Quiz/Test/Lab Write-ups Observation/Discussion Ball Drop Lab Balloon Car Design/Lab Egg Parachute Design/Lab Group Work/Presentations	Textbook Internet Lab Equipment Videos
Jan/ Feb	Energy- States and Forms Sources of energy Urinary System Endocrine System Digestive System Food energy/nutrition	PS2.1/.2/.3 PS3.1 PS4.1/.2/.3/.4 ESS4.3 SPS2 LS1.1/.2	Homework Quiz/Test/ lab write-ups Observation/Discussion Human Power Lab Rubberband Activity Rollercoaster Design Lab Group Work/Presentations Insulation Design Chemical Energy- food, our body, food labels	Textbook Internet Lab Equipment Videos ipads Food Nutrition Labels/Info

Feb/ Mar	Atoms Elements Matter States and Changes Reproductive System	PS1.1/.2/.3 PS2.1/.2 LS1.1/.2 LS2.3	Homework Quiz/Test/Lab write-up Observation/Discussion Styrofoam Cup Lab States of Matter Activity	Textbook Internet Lab Equipment Periodic Table
April/ May/ June	Chemical Reactions Chemical and Physical Properties Chemical Bonds Chemical Equations Water	PS1.1/.2/.3 PS2.1/.2/.3 ESS1.7	Homework Quiz/Test/ Lab Write-ups Observation/Discussion Acids and Bases Lab Glowstick Lab Electron Dot Activity Water/Buoyancy Lab Sugar Cube Lab Individual/Group Work	Textbook Internet Lab Equipment Periodic Table Videos Guest Speaker- Portsmouth Naval Shipyard Guest Speaker- UNH Chemistry Professor
March thru May	Science Fair Preparation / Presentation	SPS1 SPS2 SPS3 SPS4	Student Research Experiment and School Wide Presentation	Sponsored by Knights of Columbus

