

Muskingum Valley ESC Standards-Based Science Course of Study

Ninth Grade					
Science Vocabulary					
Earth and Space Sciences	Physical Sciences (note: no Life Sciences 9 th grade)		Science and Technology	Scientific Inquiry	Scientific Ways of Knowing
asteroids atmosphere Big Bang comets conduction continental drift convection deep interior density earthquakes elements energy explosive expansion faulting folding fossil distributions gravitational forces heliocentric theory helium hydrogen igneous intrusion lithosphere magma generation magnetic reversals metamorphism nuclear reactions oceans planets plate tectonic (theory) radiometric dating relationships sea-floor spreading Solar System stars thermal energy transfer	accelerate, acceleration acid(ic) (ity) atom(s) atomic number balanced chemical equations basic bonded chemical formulas chemical properties chemical reactions chemical system conduct electricity conduction, conductivity constant convection radiation density electric force electrical system electrically neutral electromagnetic radiation electromagnetic spectrum electron configurations electrons element(s) emitting particles endothermic energy exerted exothermic families of elements fission force fossil fuels frame of reference frictional forces	fusion gamma rays gravitational potential energy hardness height infrared inversely proportional investigators ions isotopes kinetic energy liquid mass matter mechanical system medium microwaves mixtures molecular motion molecule motion negatively charged electrons neutral neutrons nuclear decay nuclear reactions nuclei nucleus periodic table pH physical properties physical science position propagated proportional	adapted designs public policy refined risks technology tested	conceptual models data designing/conducting evidence graphs inputs maps precision safety precautions scientific knowledge significant figures tables technology	bias data disciplines ethical practices experimentation inferences information inquiry methods observations peer review predictions procedures testing theories universe

bold = Marzano and Pickering, "Academic Vocabulary Terms", 2005