

Physical Science Honors

Science Performance Rating Scale

Big Idea: ENERGY TRANSFER & TRANSFORMATION Unit: Thermal Energy		Assessed at Complexity Level: 3 – STRATEGIC THINKING & COMPLEX REASONING			
SC.912.P.10.4 – Describe heat as the energy transferred by convection, conduction, and radiation, and explain the connection of heat to change in temperature or states of matter.					
MASTERY LEVEL		Performance Indicators	BEFORE INST.	DURING INST.	AFTER INST.
4	EXCEEDING the Standard	Classify every-day examples of heat as convection, conduction, or radiation			
		Relate how the transfer of thermal energy is represented on a phase change graph			
3	MASTERY	Describe heat as the transfer of thermal energy through convection, conduction, and radiation			
		Explain the connection of heat to changes in temperature or states of matter			
2	PARTIAL MASTERY	Recognize that substances within a system transfer thermal energy			
		Identify definitions of key terms such as: THERMAL ENERGY, HEAT, TEMPERATURE, STATE OF MATTER, PHASE, CONVECTION, CONDUCTION, RADIATION, KINETIC ENERGY, EQUILLIBRIUM			
1	BUILDING MASTERY	With help, I can demonstrate partial mastery of some of the simpler tasks listed above, but I still make some mistakes.			
0	NOVICE	I currently have no knowledge or mastery of the skills and tasks listed above, but I will make an effort to learn them.			