

Sheridan County School District #3
2019-2020
6th Science Priority Standards
(09/17/19)

Physical Science		MS.PHY
<i>Matter and Its Interactions</i>		
MS.PS1-1	Develop models to describe the atomic composition of simple molecules and extended structures.	
MS.PS1-4	Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.	
<i>Motion and Stability; Forces and Interactions</i>		
MS.PS2-1	Apply Newton's third law to design a solution to a problem involving the motion of two colliding objects.	
Life Science		MS.LS
<i>Ecology: Interactions, Energy and Dynamic</i>		
MS.LS2-1	Analyze and interpret data to provide evidence for the effects of resources availability on organisms and populations of organisms in an ecosystem.	
Earth & Space		MS.ESS
<i>Earth's Place in the Universe</i>		
MS.ESS1-1	Develop and use a model of the Earth-sun-moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.	
<i>Earth's Systems</i>		
MS.ESS3-1	Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes.	
Engineering, Technology and Applications of Science		MS.ETS
3-5.ETS1-1	Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time or cost.	
3-5.ETS1-2	Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	
3-5.ETS1-3	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.	