

	1 st Semester			2 nd Semester		
Topic	Light and Matter	Thermal Energy	Weather, Climate, Water Cycling	Plate Tectonics and Rock Cycling	Natural Hazards	Cells and Systems
Essential Questions	Why do we sometimes see different things when looking at the same object?	How can containers keep stuff from warming up or cooling down?	Why does a lot of hail, rain, or snow fall at some times and not others?	What causes Earth's surface to change?	Where do natural hazards happen and how do we prepare for them?	How do living things heal?
Standards/ Outcomes	MS-PS4-2, MS-LS1-8	MS-PS1-4, MS-PS3-3, MS-PS3-4, MS-PS3-5, MS-PS4-2, MS-ETS1-4	MS-ESS2-4, MS-ESS2-5, MS-ESS2-6, MS-PS1-4	MS-ESS2-4, MS-ESS2-5, MS-ESS2-6, MS-PS1-4	ESS2-3, PS4-3, ETS1-1, ETS1-2	LS1-1, LS1-2, LS1-3, LS1-8
Curriculum Materials	OpenSciEd.org					
Supplemental Materials	CK-12 Flexbook, YouTube Videos, Bill Nye Videos					
Connections			Guest Speaker	KU Engineering Expo Field Trip		
Assessments	NGSS Performance Expectations					

*Note: Order of units is at Instructor's discretion