Science Grade 6 Scope & Sequence

Days	Unit	Standard(s)/Outcome(s)	Essential/Guiding Questions
25	Feel the Heat ● Particle Motion ● Thermal Energy	MS-PS1-4 MS-PS3-3 MS-PS3-4 MS-PS3-5 MS-ETS1-4	*How does this mystery substance "stop" heat?*
25	Water for Astronauts ● States of Matter ● Mass, Volume, & Density ● State Changes ● Atomic Structure ● Classifying Matter ● Separating Mixtures	MS-PS1-1 MS-PS1-2 MS-PS1-4 MS-ETS1-4	*How do astronauts purify and drink their own urine?!*
25	Hydrogen Fuel Cells ● Physical and Chemical Changes ● Chemicals Reactions ● Conservation of Mass	MS-PS1-1 MS-PS1-2 MS-PS1-5 MS-PS1-6	*How does a hydrogen fuel cell use chemical reactions to power a car?*
30	Rocket Launch ● Potential and Kinetic Energy ● Energy Transfers ● Newton's Laws of Motion ● Gravitational Attraction	MS-PS2-1 MS-PS2-2 MS-PS2-4 MS-PS2-5	*How is a rocket launched into space?*
25	Scrapyard Junk	MS-PS2-3	*How do objects interact with*

	• Magnetic Forces • Electric Forces • Electromagnetism • Scrapyard Junk Challenge	MS-PS2-5 MS-ETS1-4	*other objects even when they are not in contact with one another?*
25	Two Way Mirrors • Wave Properties • Light Reflection and Refraction • Two Way Mirror Investigation • Sound Waves • Electromagnetic Waves • Digital vs Analog Signals	MS-PS4-1 MS-PS4-2 MS-PS4-3 MS-LS1-8	*How do waves travel?* *How do we transmit information?*