

Science Grade 7 Scope & Sequence

Days	Unit	Standard(s)/Outcome(s)	Essential/Guiding Questions
24	Cells & Systems	MS-LS1-1 MS-LS1-2* MS-LS1-3* MS-LS1-8*	<i>How do living things heal?</i>
29	Metabolic Reactions	MS-PS1-1* MS-PS1-2* MS-LS1-3 MS-LS1-5* MS-LS1-7	<i>How do things inside our bodies work together to make us feel the way we do?</i>
29	Matter Cycling & Photosynthesis <ul style="list-style-type: none"> ● Cycling of Matter ● Photosynthesis ● Decomposition 	MS-LS1-2* MS-LS1-6 MS-LS2-3 MS-PS1-3	<i>Where does food come from, and where does it go next?</i>
26	Genetics <ul style="list-style-type: none"> ● Inheritance of Traits ● Variation of Traits ● Mutations ● Environmental Factors ● Genetic Technologies 	MS-LS1-4 MS-LS1-5 MS-LS3-1 MS-LS3-2 MS-LS4-5	<i>Can we bring back extinct species?</i>
30	Natural Selection & Adaptation <ul style="list-style-type: none"> ● Adaptations ● Natural Selection 	MS-LS4-1 MS-LS4-2 MS-LS4-3	<i>Why aren't antibiotics working for some bacterial infections anymore?</i>

	<ul style="list-style-type: none"> Evidence of Evolution 	MS-LS4-4 MS-LS4-6 MS-LS1-4	
14	Interdependent Relationships in Ecosystems <ul style="list-style-type: none"> Populations Interactions in Ecosystems Resource Availability Ecological Disruptions Biodiversity 	MS-LS1-4 MS-LS2-1 MS-LS2-2 MS-LS2-4 MS-LS2-5	<i>How could the disappearance of honeybees impact an entire ecosystem?</i>
14	Matter & Energy in Ecosystems <ul style="list-style-type: none"> Organization of Ecosystems Food Chains/Food Webs/Energy Pyramids Cycling of Matter and Energy 	MS-LS2-2 MS-LS2-3 MS-ETS1-1 MS-ETS1-2	<i>How can we design a closed artificial habitat to support human life?</i>
10	Hole in the Ozone <ul style="list-style-type: none"> Human Impact on the Earth Resource Consumption 	MS-ESS3-3 MS-ESS3-4 MS-ETS1-1 MS-ETS1-2	<i>Why has the hole in the ozone layer changed over time?</i>

*PE builds across multiple units