

## Science Grade 7 Scope & Sequence

Days	Unit	Standard(s)/Outcome(s)	Essential/Guiding Questions
20	<b>Viruses</b> <ul style="list-style-type: none"> <li>● Properties of Living Things</li> <li>● Needs of Living Things</li> <li>● Structure and Function of Cells</li> </ul>	MS-LS1-1 MS-LS1-2 MS-LS1-3	<i>Are viruses living?</i>
14	<b>Seed to Tree</b> <ul style="list-style-type: none"> <li>● Plant Growth and Development</li> <li>● Cell Cycle</li> <li>● Photosynthesis</li> <li>● Cell Respiration</li> <li>● Plant Reproduction</li> </ul>	MS-LS1-2 MS-LS1-3 MS-LS1-4 MS-LS1-5 MS-LS1-6 MS-LS1-7 MS-ETS1-3 MS-ETS1-4	<i>How does a seed grow into a tree?</i>
20	<b>Illusions</b> <ul style="list-style-type: none"> <li>● Levels of Organization</li> <li>● Interacting Human Body Systems</li> <li>● Receiving Inputs</li> <li>● Responding to Inputs</li> <li>● Memories</li> </ul>	MS-LS1-3 MS-LS1-7 MS-LS1-8	<i>How do our bodies respond to different stimuli?</i>
18	<b>Extinct Organisms</b> <ul style="list-style-type: none"> <li>● Reproduction</li> </ul>	MS-LS1-5 MS-LS3-1	<i>Can we bring back extinct species?</i>

	<ul style="list-style-type: none"> <li>● Inheritance of Traits</li> <li>● Variation of Traits</li> <li>● Mutations</li> <li>● Environmental Factors</li> <li>● Genetic Technologies</li> </ul>	MS-LS3-2 MS-LS4-5	
20	<b>MRSA</b> <ul style="list-style-type: none"> <li>● Adaptations</li> <li>● Natural Selection</li> <li>● Evidence of Evolution</li> </ul>	MS-LS4-1 MS-LS4-2 MS-LS4-3 MS-LS4-4 MS-LS4-6 MS-LS1-4	<i>Why aren't antibiotics working for some bacterial infections anymore?</i>
18	<b>Honey Bees</b> <ul style="list-style-type: none"> <li>● Populations</li> <li>● Interactions in Ecosystems</li> <li>● Resource Availability</li> <li>● Ecological Disruptions</li> <li>● Biodiversity</li> </ul>	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>
16	<b>Biosphere 2</b> <ul style="list-style-type: none"> <li>● Organization of Ecosystems</li> <li>● Food Chains/Food Webs/Energy Pyramids</li> <li>● Cycling of Matter and Energy</li> </ul>	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>
20	<b>Hole in the Ozone</b> <ul style="list-style-type: none"> <li>● Human Impact on the Earth</li> </ul>	MS-ESS3-3 MS-ESS3-4 MS-ETS1-1	<i>Why has the hole in the ozone layer changed over time?</i>

	● Resource Consumption	MS-ETS1-2	
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