

## MS SAVE Science - 8th - Pacing Guide

**Course:** MS SAVE Life Science

**Grade:** 8th Grade

<u>Months/Days</u>	<u>UNITS</u>	<u>STANDARDS</u>	<u>CONTENT</u> Topics being covered? What do students need to know? ( <i>nouns</i> )	<u>ASSESSMENTS</u> What evidence (formative/summative) is utilized to establish that the content, standards, & skills have been mastered?
<b>September- October:</b> (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	<b>Unit 1:</b> How the Body is Organized	<b>Standards are based on the DLM Essential Elements:</b>  SCI.K-12.5.4 SCI. K-12.5.6 SCI. K-12.5.7 SCI. K-12.5.9 SCI. K-12.5.12 SCI.EE.MS.LS1-3 SCI.EE.MS.LS1-5 SCI.EE.MS.LS2-2 SCI.EE.MS.ESS2-2 SCI.EE.MS.ESS2-6 SCI.EE.MS.ESS3-3	<b>Topics Covered:</b> <ul style="list-style-type: none"> <li>• What is Human Biology?</li> <li>• The Body's Smallest Parts</li> <li>• The Parts of a Cell</li> <li>• Tissues</li> <li>• Organs</li> <li>• Systems</li> </ul>	<ul style="list-style-type: none"> <li>• Vocabulary Activities</li> <li>• Post-Reading Discussions</li> <li>• Follow-Up Activities/Projects</li> <li>• Supplemental Readings</li> <li>• Guided Work</li> <li>• Independent Practice</li> <li>• Tests (Exams will be given in students' mode of communication)</li> <li>• Projects</li> <li>• Centers</li> <li>• Teacher observations</li> <li>• Self/Peer Reflection</li> <li>• Exit Tickets</li> <li>• Labs</li> <li>• Center Work</li> </ul>

<p><b>October - November:</b> (Progression/work modification will be determined by students' comprehension of the material &amp; their rate of understanding.)</p>	<p><b>Unit 2:</b> Body Systems</p>	<p><b>Standards are based on the DLM Essential Elements:</b></p> <p>SCI.K-12.5.4 SCI. K-12.5.6 SCI. K-12.5.7 SCI. K-12.5.9 SCI. K-12.5.12 SCI.EE.MS.LS1-3 SCI.EE.MS.LS1-5 SCI.EE.MS.LS2-2 SCI.EE.MS.ESS2-2 SCI.EE.MS.ESS2-6 SCI.EE.MS.ESS3-3</p>	<p><b>Topics Covered:</b></p> <ul style="list-style-type: none"> <li>● The Skeletal System: <ul style="list-style-type: none"> <li>○ The Skeleton</li> <li>○ The Parts of the Skeleton</li> <li>○ Bones and Cartilage</li> <li>○ Joints</li> </ul> </li> <li>● The Muscular System: <ul style="list-style-type: none"> <li>○ Muscles that Move Bones</li> <li>○ Smooth Muscle and Heart Muscle</li> </ul> </li> <li>● What is the Circulatory System: <ul style="list-style-type: none"> <li>○ Blood Vessels</li> <li>○ The Heart</li> <li>○ The Blood</li> </ul> </li> <li>● Keeping Systems Healthy</li> </ul>	<ul style="list-style-type: none"> <li>● Vocabulary Activities</li> <li>● Post-Reading Discussions</li> <li>● Follow-Up Activities/Projects</li> <li>● Supplemental Readings</li> <li>● Guided Work</li> <li>● Independent Practice</li> <li>● Tests (Exams will be given in students' mode of communication)</li> <li>● Projects</li> <li>● Centers</li> <li>● Teacher observations</li> <li>● Self/Peer Reflection</li> <li>● Exit Tickets</li> <li>● Labs</li> <li>● Center Work</li> </ul>
<p><b>November - December:</b> (Progression/work modification will be determined by students' comprehension of the</p>	<p><b>Unit 3:</b> More Body Systems</p>	<p><b>Standards are based on the DLM Essential Elements:</b></p> <p>SCI.K-12.5.4</p>	<p><b>Topics Covered:</b></p> <ul style="list-style-type: none"> <li>● The Digestive System <ul style="list-style-type: none"> <li>○ Nutrients</li> <li>○ Vitamins and</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Vocabulary Activities</li> <li>● Post-Reading Discussions</li> <li>● Follow-Up</li> </ul>

material & their rate of understanding.)		SCI. K-12.5.6 SCI. K-12.5.7 SCI. K-12.5.9 SCI. K-12.5.12 SCI.EE.MS.LS1-3 SCI.EE.MS.LS1-5 SCI.EE.MS.LS2-2 SCI.EE.MS.ESS2-2 SCI.EE.MS.ESS2-6 SCI.EE.MS.ESS3-3	<ul style="list-style-type: none"> <li>Minerals               <ul style="list-style-type: none"> <li>○ Food Groups and a Balanced Diet</li> <li>○ Calories</li> <li>○ How Digestion Begins</li> <li>○ Digestion Continues</li> </ul> </li> <li>• The Excretory System               <ul style="list-style-type: none"> <li>○ Solid Waste</li> <li>○ Liquid Waste</li> </ul> </li> <li>• The Respiratory System               <ul style="list-style-type: none"> <li>○ Taking in Air</li> <li>○ Exchanging Gases</li> </ul> </li> <li>• Keeping Systems Healthy</li> </ul>	Activities/Projects <ul style="list-style-type: none"> <li>• Supplemental Readings</li> <li>• Guided Work</li> <li>• Independent Practice</li> <li>• Tests (Exams will be given in students' mode of communication)</li> <li>• Projects</li> <li>• Centers</li> <li>• Teacher observations</li> <li>• Self/Peer Reflection</li> <li>• Exit Tickets</li> <li>• Labs</li> <li>• Center Work</li> </ul>
<b>December - January:</b> (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	<b>Unit 4:</b> The Nervous System	<b>Standards are based on the DLM Essential Elements:</b>  SCI.K-12.5.4 SCI. K-12.5.6 SCI. K-12.5.7 SCI. K-12.5.9 SCI. K-12.5.12 SCI.EE.MS.LS1-3	<b>Topics Covered:</b> <ul style="list-style-type: none"> <li>• What Does the Nervous System Do?</li> <li>• The Brain and the Spinal Cord</li> <li>• The Eye and Sight</li> <li>• The Ear and Hearing</li> <li>• Smell and Taste</li> <li>• The Skin and Touch</li> <li>• Talking</li> </ul>	<ul style="list-style-type: none"> <li>• Vocabulary Activities</li> <li>• Post-Reading Discussions</li> <li>• Follow-Up Activities/Projects</li> <li>• Supplemental Readings</li> <li>• Guided Work</li> <li>• Independent</li> </ul>

		SCI.EE.MS.LS1-5 SCI.EE.MS.LS2-2 SCI.EE.MS.ESS2-2 SCI.EE.MS.ESS2-6 SCI.EE.MS.ESS3-3	<ul style="list-style-type: none"> <li>Keeping the Nervous System Healthy</li> </ul>	Practice <ul style="list-style-type: none"> <li>Tests (Exams will be given in students' mode of communication)</li> <li>Projects</li> <li>Centers</li> <li>Teacher observations</li> <li>Self/Peer Reflection</li> <li>Exit Tickets</li> <li>Labs</li> <li>Center Work</li> </ul>
<b>January - March:</b> (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	<b>Unit 5:</b> Human Reproduction	<b>Standards are based on the DLM Essential Elements:</b>  SCI.K-12.5.4 SCI. K-12.5.6 SCI. K-12.5.7 SCI. K-12.5.9 SCI. K-12.5.12 SCI.EE.MS.LS1-3 SCI.EE.MS.LS1-5 SCI.EE.MS.LS2-2 SCI.EE.MS.ESS2-2 SCI.EE.MS.ESS2-6 SCI.EE.MS.ESS3-3	<b>Topics Covered:</b> <ul style="list-style-type: none"> <li>Hormones and Glands</li> <li>Reproductive System</li> <li>Getting Traits from Parents</li> <li>Survey Gene Traits</li> </ul>	<ul style="list-style-type: none"> <li>Vocabulary Activities</li> <li>Post-Reading Discussions</li> <li>Follow-Up Activities/Projects</li> <li>Supplemental Readings</li> <li>Guided Work</li> <li>Independent Practice</li> <li>Tests (Exams will be given in students' mode of communication)</li> <li>Projects</li> <li>Centers</li> <li>Teacher</li> </ul>

				<ul style="list-style-type: none"> <li>observations</li> <li>• Self/Peer Reflection</li> <li>• Exit Tickets</li> <li>• Labs</li> <li>• Center Work</li> </ul>
<b>March - April:</b> (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	<b>Unit 6:</b> Diseases	<b>Standards are based on the DLM Essential Elements:</b>  SCI.K-12.5.4 SCI. K-12.5.6 SCI. K-12.5.7 SCI. K-12.5.9 SCI. K-12.5.12 SCI.EE.MS.LS1-3 SCI.EE.MS.LS1-5 SCI.EE.MS.LS2-2 SCI.EE.MS.ESS2-2 SCI.EE.MS.ESS2-6 SCI.EE.MS.ESS3-3	<b>Topics Covered:</b> <ul style="list-style-type: none"> <li>• Diseases Caused by Bacteria</li> <li>• Diseases Caused by Viruses</li> <li>• Body Defenses               <ul style="list-style-type: none"> <li>○ Skin and Mucus</li> <li>○ White Blood Cells</li> <li>○ Antibodies</li> </ul> </li> <li>• Vaccines</li> <li>• Heart Diseases</li> <li>• Cancer</li> <li>• Preventing Diseases</li> </ul>	<ul style="list-style-type: none"> <li>• Vocabulary Activities</li> <li>• Post-Reading Discussions</li> <li>• Follow-Up Activities/Projects</li> <li>• Supplemental Readings</li> <li>• Guided Work</li> <li>• Independent Practice</li> <li>• Tests (Exams will be given in students' mode of communication)</li> <li>• Projects</li> <li>• Centers</li> <li>• Teacher observations</li> <li>• Self/Peer Reflection</li> <li>• Exit Tickets</li> <li>• Labs</li> <li>• Center Work</li> </ul>
<b>April - May:</b>	<b>Unit 7:</b> Avoiding Health	<b>Standards are</b>	<b>Topics Covered:</b>	<ul style="list-style-type: none"> <li>• Vocabulary</li> </ul>

(Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	Problems	<p><b>based on the DLM Essential Elements:</b></p> <p>           SCI.K-12.5.4            SCI. K-12.5.6            SCI. K-12.5.7            SCI. K-12.5.9            SCI. K-12.5.12            SCI.EE.MS.LS1-3            SCI.EE.MS.LS1-5            SCI.EE.MS.LS2-2            SCI.EE.MS.ESS2-2            SCI.EE.MS.ESS2-6            SCI.EE.MS.ESS3-3         </p>	<ul style="list-style-type: none"> <li>• Health and Smoking</li> <li>• Harmful Effects of Smoking</li> <li>• Health and Alcohol</li> <li>• Health and Drug Abuse</li> <li>• Harmful Effects of Illegal Drugs</li> <li>• Your Health is Up to You</li> </ul>	<p>Activities</p> <ul style="list-style-type: none"> <li>• Post-Reading Discussions</li> <li>• Follow-Up Activities/Projects</li> <li>• Supplemental Readings</li> <li>• Guided Work</li> <li>• Independent Practice</li> <li>• Tests (Exams will be given in students' mode of communication)</li> <li>• Projects</li> <li>• Centers</li> <li>• Teacher observations</li> <li>• Self/Peer Reflection</li> <li>• Exit Tickets</li> <li>• Labs</li> <li>• Center Work</li> </ul>
<p><b>May - June:</b></p> (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	<p><b>Unit 8:</b> First Aid</p>	<p><b>Standards are based on the DLM Essential Elements:</b></p> <p>           SCI.K-12.5.4            SCI. K-12.5.6            SCI. K-12.5.7            SCI. K-12.5.9            SCI. K-12.5.12         </p>	<p><b>Topics Covered:</b></p> <ul style="list-style-type: none"> <li>• Learning First Aid</li> <li>• Poisoning</li> <li>• Eye Problems</li> <li>• Fainting</li> <li>• Cuts and Other Wounds</li> <li>• Burns</li> <li>• Nosebleeds</li> </ul>	<ul style="list-style-type: none"> <li>• Vocabulary Activities</li> <li>• Post-Reading Discussions</li> <li>• Follow-Up Activities/Projects</li> <li>• Supplemental Readings</li> <li>• Guided Work</li> </ul>

		SCI.EE.MS.LS1-3 SCI.EE.MS.LS1-5 SCI.EE.MS.LS2-2 SCI.EE.MS.ESS2-2 SCI.EE.MS.ESS2-6 SCI.EE.MS.ESS3-3	<ul style="list-style-type: none"> <li>• Sprains and Bruises</li> </ul>	<ul style="list-style-type: none"> <li>• Independent Practice</li> <li>• Tests (Exams will be given in students' mode of communication)</li> <li>• Projects</li> <li>• Centers</li> <li>• Teacher observations</li> <li>• Self/Peer Reflection</li> <li>• Exit Tickets</li> <li>• Labs</li> <li>• Center Work</li> </ul>
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