MS SAVE Science - 7th - Pacing Guide

Course: MS SAVE Physical Science **Grade:** 7th Grade

Months/Days	**UNITS**	**STANDARDS**	**CONTENT** **Topics being covered? What do students need to know? (*nouns*)**	**ASSESSMENTS** **What evidence (formative/summative) is utilized to establish that the content, standards, & skills have been mastered?**
September- October: (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	**Unit 1:** Matter	**Standards are based on the DLM Essential Elements:** 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.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	**Topics Covered:** ● What is Matter ● States of Matter ● Atoms ● Elements ● Metals ● Metalloids, Ninmentals, and Inert Gases ● Periodic Table	● Vocabulary Activities ● Post-Reading Discussions ● Follow-Up Activities/Projects ● Supplemental Readings ● Guided Work ● Independent Practice ● Tests/Quizzes ● Exit Tickets ● Labs ● Center Work
October - November: (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	**Unit 2:** Changes in Matter	**Standards are based on the DLM Essential Elements:** SCI.K-12.5.4 SCI. K-12.5.6 SCI. K-12.5.7 SCI. K-12.5.9	**Topics Covered:** ● Molecules and Compounds ● Mixtures ● Physical Changes ● Chemical Changes	● Vocabulary Activities ● Post-Reading Discussions ● Follow-Up Activities/Projects ● Supplemental Readings

		SCI. K-12.5.12 SCI.EE.MS.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	• Chemical Reactions • Acids, Bases, and Salts • Chemicals Are Everywhere!	• Guided Work • Independent Practice • Tests/Quizzes • Exit Tickets • Labs • Center Work
November - December: (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	**Unit 3:** Nature's Energies	**Standards are based on the DLM Essential Elements:** 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.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	**Topics Covered:** • What is Energy? • Energy from the Sun • Heat Energy • Wind Energy • Water Energy • Steam Energy • Nuclear Energy • Our Energy Needs	• Vocabulary Activities • Post-Reading Discussions • Follow-Up Activities/Projects • Supplemental Readings • Guided Work • Independent Practice • Tests/Quizzes • Exit Tickets • Labs • Center Work
December - January: (Progression/work modification will be determined by students'	**Unit 4:** Sound and Light	**Standards are based on the DLM Essential Elements:**	**Topics Covered:** • How Sound Travels • Pitch and	• Vocabulary Activities • Post-Reading Discussions

comprehension of the material & their rate of understanding.)		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.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	Loudness ● Music ● How You Hear ● How You Talk ● How Light Travels ● Sources of Light ● Color ● Lenses ● How You See	● Follow-Up Activities/Projects ● Supplemental Readings ● Guided Work ● Independent Practice ● Tests/Quizzes ● Exit Tickets ● Labs ● Center Work
January - March: (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	**Unit 5:** Magnetism and Electricity	**Standards are based on the DLM Essential Elements:** 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.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	**Topics Covered:** ● What is Electricity? ● Electric Currents ● Electric Circuits and Volts ● Fuses and Circuit Breakers ● Dry Cells and Batteries ● What is Magnetism? ● Electromagnets ● Electric Motors and Generators ● Electronics ● Using Electricity Safely	● Vocabulary Activities ● Post-Reading Discussions ● Follow-Up Activities/Projects ● Supplemental Readings ● Guided Work ● Independent Practice ● Tests/Quizzes ● Exit Tickets ● Labs ● Center Work
March - April: (Progression/work modification will be	**Unit 6:** Motion and Forces	**Standards are based on the DLM Essential Elements:**	**Topics Covered:** ● What is Motion? ● Speed, Velocity,	● Vocabulary Activities ● Post-Reading

determined by students' comprehension of the material & their rate of understanding.)		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.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	and Acceleration ● Balanced and Unbalanced Forces ● Gravity ● Laws of Motion ● Space Travel	Discussions ● Follow-Up Activities/Projects ● Supplemental Readings ● Guided Work ● Independent Practice ● Tests/Quizzes ● Exit Tickets ● Labs ● Center Work
April - May: (Progression/work modification will be determined by students' comprehension of the material & their rate of understanding.)	**Unit 7:** Machines	**Standards are based on the DLM Essential Elements:** 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.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	**Topics Covered:** ● What is Work? ● Friction ● What Are Machines? ● Simple Machines ● Compound Machines ● Gasoline Engines ● Jet Engines	● Vocabulary Activities ● Post-Reading Discussions ● Follow-Up Activities/Projects ● Supplemental Readings ● Guided Work ● Independent Practice ● Tests/Quizzes ● Exit Tickets ● Labs ● Center Work
May - June: (Progression/work modification will be determined by students' comprehension of the	**Unit 8:** Technology	**Standards are based on the DLM Essential Elements:** SCI.K-12.5.4	**Topics Covered:** ● Computers ● Lasers ● Robots ● Communications	● Vocabulary Activities ● Post-Reading Discussions ● Follow-Up

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.PS1-2 SCI.EE.MS.PS2-2 SCI.EE.MS.PS3-3	• Technology of the Future	Activities/Projects • Supplemental Readings • Guided Work • Independent Practice • Tests/Quizzes • Exit Tickets • Labs • Center Work