

Mt. Zion Jr. High School
7th Grade (Science I) & 8th Grade (Science II)
 Chapter/Topic Outline
 Quarter/Semester Based

Quarter	7 th Grade (Science I)	8 th Grade (Science II)
1	LS.1 - What is science, the scientific method, engineering design, measurements, and lab safety	PS.1 - What is science, the scientific method, engineering design, measurements, and lab safety
1 and 2	<p>The Study of Living Things LS.2 - It's Alive!! Or is It?</p> <p>Cells LS.3 - Cells: The Basic Units of Life LS.4 - The Cell in Action</p> <p>Living Organisms (select topics - ending with 1st semester) LS.9 - Classification LS.10 - Bacteria & Viruses LS.11 - Protists & Fungi LS.15 - Invertebrates LS.16 - Fish, Amphibians, and Reptiles LS.17 - Birds and Mammals LS.12&13 - Plant & Plant Processes</p>	<p>Motion and Forces PS.5 - Matter in Motion PS.6 - Forces in Motion PS.7 - Forces in Fluids (if time allows)</p> <p>Waves, Sound, and Light PS.20 - The Energy of Waves</p> <p>MS Space Systems ES.20 Formation of the Solar System ES.21 - Family of Planets</p> <p>MS History of the Earth ES.7 - Plate Tectonics & Earth Over Time</p>
3 and 4	<p>Introduction to Matter PS.2 - The Properties of Matter PS.3 - States of Matter PS.4 - Elements, Compounds, and Mixtures</p> <p>Work and Energy PS.9 - Energy and Energy Resources PS.10 - Heat and Heat Technology</p> <p>MS Weather and Climate ES.16 - Understanding Weather</p> <p>Ecology LS.18 - Interactions of Living Things LS.19 - Cycles in Nature LS.20 - The Earth's Ecosystems LS.21 - Environmental Prob. & Solutions</p> <p>MS Earth Systems ES - Cycles (as part of LS.18-21 & ES.16)</p>	<p>Heredity and Evolution LS.5 - Heredity LS.7 - The Evolution of Living Things LS.8 - The History of Life on Earth</p> <p>The Atom PS.11 - Introduction to Atoms PS.12 - The Periodic Table</p> <p>Interactions of Matter (select topics) PS.13 - Chemical Bonding PS.14 - Chemical Reactions PS.15 - Chemical Compounds</p> <p>Electricity and Magnetism PS.17 - Introduction to Electricity PS.18 - Electromagnetism PS.19 - Electronic Technology (select topics)</p> <p>Human Body Systems LS.22 - Body Organization and Structure LS.25 - Communication and Control (additional topics if time allows)</p>
1	MS Human Impacts	MS Human Impacts
2	Relevant Topics	Relevant Topics
3	MS Engineering Design	MS Engineering Design
4	Throughout Year	Throughout Year

Please note that the curriculum outline/map are subject to change. If any changes are made, the students will be notified of those changes and the maps will be modified.