

Marysville Middle School
7th Grade Science
Curriculum Pacing Guide

Weeks	Unit Block	CCE	Power Standards - <i>Critical Content</i> - <i>Key Concepts</i>
8	1		Energy Effects <ul style="list-style-type: none"> Continue exploration of energy with investigations into the effects of light energy and solar energy. Gain a greater understanding of the sun's warming and lighting of the Earth, and apply student knowledge of the process of photosynthesis. Investigate energy transfer through waves and the interaction with matter.
End of 1st Marking Period			
8	2		Chemical Properties <ul style="list-style-type: none"> Study physical properties In-depth (boiling point, density, and color) and chemical properties (pH, reactivity, and flammability). Use knowledge of properties and use evidence to describe physical and chemical change. Introduce to the Periodic Table of the Elements as students explore compounds and elements.
End of 2nd Marking Period			
End of 1st Semester			

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8	3		Solar Energy <ul style="list-style-type: none"> • Apply understanding of solar energy to phenomena students observe, hear, and read about. • Explore the relationship between solar warming and the water cycle, warming of the atmosphere, land, and oceans, and the effect on weather and climate. • Explore how human activities have changed the land, oceans, and atmosphere and the consequences that humans face today.
End of 3rd Marking Period			
8	4		Cells, Cell Division, and Photosynthesis <ul style="list-style-type: none"> • Explore how organisms function, grow, and reproduce with a microscopic investigation. • Investigate living things including the study of cells, how cells make up human body tissues, organs, and organ systems that have specialized functions. • Compare the cellular structure and function of plant cells and the process of photosynthesis. • Explore how genetic information is carried from one generation to the next both asexually and sexually.
End of 4th Marking Period			
End of 2nd Semester			