

Middle School Science Competencies 2020-2021

Grade 6	Grades 7 and 8 (Black Year)	Grades 7 and 8 (White Year)
<i>Students will use science and engineering practices to apply their knowledge of energy transfer and the human body to explain how they are able to make objects move.</i>	<i>Students will use science and engineering practices to apply their knowledge of forces, waves, and energy to answer scientific questions and design solutions to problems.</i>	<i>Students will use science and engineering practices to apply their knowledge of human impacts on earth's systems to answer scientific questions and design solutions to problems.</i>
<i>Students will use science and engineering practices to apply their knowledge of climate and thermal energy to design a solution to a problem.</i>	<i>Students will use science and engineering practices to apply their knowledge of mechanisms of diversity among living organisms to answer scientific questions and design solutions to problems.</i>	<i>Students will use science and engineering practices to apply their knowledge of ecosystem dynamics to answer scientific questions and design solutions to problems.</i>
<i>Students will use science and engineering practices to apply their knowledge of the environment and genetics to explain a natural phenomenon.</i>	<i>Students will use science and engineering practices to apply their knowledge of the changing of Earth throughout history to answer scientific questions and design solutions to problems.</i>	<i>Students will use science and engineering practices to apply their knowledge of matter and its interactions to answer scientific questions and design solutions to problems.</i>
<i>Students will use science and engineering practices to apply their knowledge of human impacts on organisms to compare and evaluate potential solutions.</i>		