

<b>Grade 6 Science Standards</b>	
<b>Biodiversity and Evolution:</b>	<b>Understands how structural evidence is used to determine kinship among organisms and the identification of species.</b>
	<b>Understands how variations in the behavior and traits of an offspring may permit some of them to survive a changing environment.</b>
	<b>Understands why some organisms that once lived on Earth have completely disappeared. Understands how some extinct organisms are similar to organisms living on Earth today.</b>
<b>Mechanical Systems:</b>	<b>Understands that the potential and kinetic energy can change, but the total energy in a system remains constant.</b>
<b>Waves:</b>	<b>Understands the similarities and differences between the motion of different types of waves. Understands the motion of different types of waves.</b>
	<b>Understands how energy is transmitted through waves.</b>
	<b>Understands the relationship between wavelength, frequency, amplitude, wave velocity, and energy.</b>
	<b>Understands how waves act and interact. Understands that the behavior of waves is caused by reflection and absorption of light produces color.</b>

	<p><b>Understands the properties and uses of different parts of the electromagnetic spectrum. Understands the concepts of wave intensity. Understands the properties of different types of radiation.</b></p>
<b>Electricity and Magnets:</b>	<p><b>Understands that there is a difference between static electricity and electric current.</b></p>
	<p><b>Understands electric current moves through conductors.</b></p>
	<p><b>Understands the difference between the set-up of a parallel and a series circuit.</b></p>
	<p><b>Understands electrical power consumption.</b></p>
	<p><b>Understands how our society generates electricity and the tradeoffs involved.</b></p>
<b>Universe:</b>	<p><b>Understands the progression of the phases of the moon through a monthly cycle and that the rotation and revolution times are equal. Understands that the phases of the moon are caused by the position of the Earth, Sun, and Moon.</b></p>