

<b>Grade 5</b>	
<b>Core Themes, Content Standards and Expected Performances</b>	
<b>Content Standards</b>	<b>Expected Performances</b>
<p><i>Energy Transfer and Transformations – What is the role of energy in our world?(PHYS)</i></p> <p><b>5.1 - Sound and light are forms of energy.</b></p> <ul style="list-style-type: none"> <li>◆ Sound is a form of energy that is produced by the vibration of objects and is transmitted by the vibration of air and objects.</li> <li>◆ Light is a form of energy that travels in a straight line and can be reflected by a mirror, refracted by a lens, or absorbed by objects.</li> </ul>	<p><b>B17</b> Describe the factors that affect the pitch and loudness of sound produced by vibrating objects.</p> <p><b>B18</b> Describe how sound is transmitted, reflected and/or absorbed by different materials.</p> <p><b><u>SOUND</u></b></p> <p>-----</p> <p><b>B19</b> Describe how light is absorbed and/or reflected by different surfaces.</p> <p><b>B20</b> Describe how light absorption and reflection allow one to see the shapes and colors of objects.</p>
<p><i>Science and Technology in Society – How do science and technology affect the quality of our lives? (PHY)</i></p> <p><b>5.4 - Humans have the capacity to build and use tools to advance the quality of their lives.</b></p> <ul style="list-style-type: none"> <li>◆ Advances in technology allow individuals to acquire new information about the world.</li> </ul>	<p><b>B24</b> Compare and contrast the structures of the human eye with those of the camera.</p> <p><b>B25</b> Describe the uses of different instruments, such as eye glasses, magnifiers, periscopes and telescopes, to enhance our vision.</p> <p><b><u>LIGHT AND USES (Light/Color)</u></b></p>
<p><i>Structure and Function – How are organisms structured to ensure efficiency and survival? (BIO)</i></p> <p><b>5.2 - Perceiving and responding to information about the environment is critical to the survival of organisms.</b></p> <ul style="list-style-type: none"> <li>◆ The sense organs perceive stimuli from the environment and send signals to the brain through the nervous system.</li> </ul>	<p><b>B21</b> Describe the structure and function of the human senses and the signals they perceive.</p> <p><b><u>SENSES</u></b></p> <p><b><u>REQUIRED CMT EMBEDDED TASK: CATCH IT</u></b></p>
<p><i>Earth in the Solar System – How does the position of Earth in the solar system affect conditions on our planet? (EARTH)</i></p> <p><b>5.3 - Most objects in the solar system are in a regular and predictable motion.</b></p> <ul style="list-style-type: none"> <li>◆ The positions of the Earth and moon relative to the sun explain the cycles of day and night, and the monthly moon phases.</li> </ul>	<p><b>B22</b> Explain the cause of day and night based on the rotation of Earth on its axis.</p> <p><b>B23</b> Describe the monthly changes in the appearance of the moon, based on the moon’s orbit around the Earth.</p> <p><b><u>: SUN, EARTH, MOON</u></b></p> <p><b><u>CMT TEST IN MARCH</u></b></p>
<p><b>HEALTH TOPICS oR ASTRONOMY</b></p>	<p><b><u>HEALTH TOPICS/ASTRONOMY</u></b></p> <p><b><u>(CT STATE HEALTH)</u></b></p>

