



# School District of Horicon

## Course Outline

### Learning Targets

<b>Science 7</b>
<b>UNIT: Geology on Mars</b>
<ul style="list-style-type: none"> <li>● Explain what formed the channel on Mars</li> <li>● Gather and evaluate evidence by comparing landforms on Earth to the channel</li> </ul>
<b>UNIT: Plate Motion</b>
<ul style="list-style-type: none"> <li>● Explain why fossils of the Mesosaurus are found on two separate continents thousands of miles apart</li> <li>● State what the outer layer of the earth is like</li> <li>● Explain plate motion</li> <li>● Apply knowledge of plate motion to a new problem</li> <li>● Use evidence and reasoning to support a claim</li> </ul>
<b>UNIT: Rock Transformations</b>
<ul style="list-style-type: none"> <li>● Explain why two different rocks from two different locations have similar mineral compositions</li> <li>● Explain how rocks form and transform</li> </ul>
<b>UNIT: Phase Change</b>
<ul style="list-style-type: none"> <li>● Explain why a lake on Titan disappeared</li> <li>● Differentiate how adding and subtracting energy affects molecules' freedom of movement on the micro and macro scale</li> </ul>
<b>UNIT: Chemical Reactions</b>
<ul style="list-style-type: none"> <li>● Explain why a reddish-brown substance is coming out of the water pipes in a neighborhood that gets its water from a well</li> <li>● Use an example to illustrate the conservation of matter</li> </ul>
<b>UNIT: Populations and Resources</b>
<ul style="list-style-type: none"> <li>● Explain why the moon jelly population increased</li> <li>● Explore the cause and effect relationship of resource and consumer population changes</li> <li>● Use evidence and reasoning to support a claim</li> </ul>
<b>UNIT: Matter and Energy in Ecosystems</b>
<ul style="list-style-type: none"> <li>● Investigate and explain a biodome failure</li> </ul>

*Students will be able to meet the learning targets above as evidenced by formative and summative classroom assessments.*