<table>
<thead>
<tr>
<th>First Nine - Weeks- August 28-October 30</th>
<th>Second Nine- Weeks- October 31-January 19</th>
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<tbody>
<tr>
<td>Earth Science</td>
<td>Physical Science</td>
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<tr>
<td>Earth Systems, Structures and Processes</td>
<td>Matter: Properties and Change</td>
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**2.E.1** - Understand patterns of weather & factors that affect it.  
**2.E.1** - Energy serves as a source of light that warms the land, air and water.  
**2.E.2** - Summarize weather conditions using qualitative and quantitative measures to describe: temperature, wind direction, wind speed, precipitation  
**2.E.3** - Compare weather patterns and relate patterns to time of day and year.  
**2.E.4** - Recognize tools that scientists use for observing, recording, and predicting weather changes from day to day and during the seasons.  

<table>
<thead>
<tr>
<th>Third Nine- Weeks- January 22-March 27</th>
<th>Fourth Nine- Weeks- March 28-June 8</th>
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<tr>
<td>Physical Science/Life Science</td>
<td>Life Science</td>
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<tr>
<td>Forces and Motion/Evolution and Genetics</td>
<td>Structures and Functions of Living Organisms</td>
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**2.P.1** - Understand the relationship between sound and vibrating objects.  
**2.P.1** - Illustrate how sound is produced by vibrating objects and columns of air.  
**2.P.2** - Summarize the relationship between sound and objects of the body that vibrate – eardrum and vocal cords  
**2.L.2** - Organisms differ from or are similar to parents based on characteristics of the organism.  
**2.L.1** - Identify ways plants and animals resemble their parents in appearance and ways they are different.  
**2.L.2** - Recognize variation among individuals that are related.  

**2.P.2** - Understand properties of solids and liquids and the changes they undergo.  
**2.P.2.1** - Give examples of matter that change from a solid to a liquid and from a liquid to a solid by heating and cooling.  
**2.P.2.2** - Compare the amount (volume and weight) of water in a container before and after freezing.  
**2.P.2.3** - Compare water left in an open container over time as to water left in a closed container  

**2.L.1.1** - Summarize life cycle of animals:  
- Birth  
- Developing into adult  
- Reproducing  
- Aging and death  
**2.L.1.2** - Compare life cycles: mealworms, ladybugs, crickets, guppies, butterflies, praying mantis, or frogs