|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Standard** | **First Nine Weeks** | **Second Nine Weeks** | **Third Nine Weeks** | **Fourth Nine Weeks** |
| **2.P.1 Understand the relationship between sound and vibrating objects.**  |  |  | **2.P.1.1** Illustrate how sound is produced by vibrating objects and columns of air. **2.P.1.2** Summarize the relationship between sound and objects of the body that vibrate – eardrum and vocal cords.  |  |
| **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 what happens to water left in an open container over time as to water left in a closed container.  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2.E.1 Understand patterns of weather and factors that affect weather.**  | **2.E.1.3** Compare weather patterns that occur over time and relate observable patterns to time of day and time of year. **2.E.1.4** Recognize the tools that scientists use for observing, recording, and predicting weather changes from day to day and during the seasons | **2.E.1.1** Summarize how energy from the sun serves as a source of light that warms the land, air and water. **2.E.1.2** Summarize weather conditions using qualitative and quantitative measures to describe: * Temperature
* Wind direction
* Wind speed
* Precipitation

**2.E.1.3** Compare weather patterns that occur over time and relate observable patterns to time of day and time of year. **2.E.1.4** Recognize the tools that scientists use for observing, recording, and predicting weather changes from day to day and during the seasons |  |  |
| **2.L.1 Understand animal life cycles.**  |  |  |  | **2.L.1.1** Summarize the life cycle of animals: * Birth
* Developing into an adult
* Reproducing
* Aging and death

**2.L.1.2** Compare life cycles of different animals such as, but not limited to, mealworms, ladybugs, crickets, guppies or frogs. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2.L.2 Remember that organisms differ from or are similar to their parents based on the characteristics of the organism.**  |  |  |  | **2.L.2.1** Identify ways in which many plants and animals closely resemble their parents in observed appearance and ways they are different. **2.L.2.2** Recognize that there is variation among individuals that are related. |