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| **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. |  |  |

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| **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. |

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| **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. |