**Seasons & Weather**

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| **Big Idea** | **Emerging** | **Developing** | **Proficient** | **Extending** |
| Daily and seasonal changes affect all living things | Identifies daily and seasonal changes in their local environment | Describes how weather and seasonal changes affect living things (e.g. availability of food, adaptation to cold), illustrates using charts or pictographs | Forms hypotheses, investigates and evaluates the impact of daily and seasonal changes (i.e. what has the greatest impact) on living things – relates to place | Designs a product to help a selected plant or animal to survive in the local environment |
| Observable patterns and cycles occur in the local sky and landscape. | Identifies weather and seasons | Poses questions, makes observations, describes observable patterns and cycles in weather and landscapes (e.g. snow/winter) | Makes predictions, investigates different perspectives and knowledges (including Indigenous) about why and how living things adapt to weather and seasons | Makes connections between past and present adaptations and their effects on living and non-living things |
| Observes and identifies common objects in the sky | Describes multi-cultural beliefs (including Indigenous) about the cycles of sun, moon, and stars in the sky, their impact on earth (e.g. day/night) | Analyzes multicultural uses and understandings of astrology (including Indigenous) (e.g. navigation, resource use), impact today of the sun | Designs or proposes new technologies using astrology, sunlight, etc. |
| The motion of the earth and the moon cause observable patterns that affect living and nonliving systems | Identifies impacts of weather and seasons on living and non living things | Describes observable patterns and cycles that connect earth’s rotation and conditions on earth using a variety of methods and technologies | Investigates different perspectives and knowledges (including Indigenous) about why and how earth’s rotation impacts living and non-living systems | Designs technologies to enhance or mitigate the effects of earth’s rotation on living and non-living systems |