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| Course: Science Grade: Kindergarten Designer(s): Alessandra Metzinger | Overview of Course (Briefly describe what students should understand and be able to do as a result of engaging in this course): Students will gain an understanding of the basic knowledge of Life, Earth, and Physical Science. |
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Overarching Big Ideas, Enduring Understandings, and Essential Questions

| Big Idea | Standard(s) Addressed | Enduring Understanding(s) | Essential Question(s) |
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| Exploration | 3.1a.1 Identify the similarities and differences of living and non-living things. 3.1a.1 Describe why living things needs air, food, and water to survive. | *Living and Non-living things have similarities. *Living and Non-living things have differences. *Living things needs air, food, and water to survive. | How are living and non-living things the same? How are living and non-living things different? What do living things needs to survive? |
| | 3.1a.3 Identify stages of life cycles for plants and animals | *There are different stages of life cycles for plants and animals. | How do animals change? How do plants change? |

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| Sense | 3.1a.9 *Use the five senses as tools with which to observe, collect information, classify, describe, and solve problems. * Use observation to develop a descriptive vocabulary based on sensory experiences. | *We use our senses to identify things and solve problems. | What are the five senses? How can we use our senses to solve problems? |
| Patterns | 3.1b.5 Explore patterns that regularly occur in nature. | *There are patterns in nature. | How can a pattern be identified? |
| Adaptation | 3.1c.2 Identify characteristics for animal and human survival identified with seasonal changes. | *We have to change according to our environment. | Why do we dress differently depending on the seasons? |
| Form | 3.2a.2 Identify the three types of matter. | *Solid and liquids have different properties. | What are the properties of a solid? What are the properties of a liquid? |
| Change | 3.3a.6 Identify seasonal changes in the environment | *Weather changes from day to day and over the seasons. | What kind of weather do we have in winter? What kind of weather do we have in spring? What kind of weather do we have in summer? What kind of weather do we have in fall? |
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