

## Wright City Science Curriculum

### Kindergarten

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| <b>Grade</b>                                                    | Kindergarten                                                                                                                                       |
| <b>Unit of Study</b>                                            | Plants and Animals                                                                                                                                 |
| <b>Length of Unit</b>                                           | 12 days                                                                                                                                            |
| <b>Sample Essential Questions</b>                               | <b>Sample Corresponding Big Ideas</b>                                                                                                              |
| What do plants need to survive?                                 | Plants need light, soil, water, and space to survive.                                                                                              |
| What do animals need to survive?                                | Animals need shelter, food, water, and space to survive.                                                                                           |
| How are the needs of plants and animals the same and different? | Plants and animals both need water and space to survive. Plants need light and soil; animals do not. Animals need shelter and food; plants do not. |
| Why do animals build homes?                                     | Animals build homes for shelter.                                                                                                                   |
| Why do animals live in different places?                        | Animals live where they can find food, water, and appropriate shelter.                                                                             |
| What can we build to help animals live safely?                  | People can build appropriate shelter to help animals live safely.                                                                                  |

| Missouri Learning Standards                                                                                                                                                 |                      |
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| Priority Standards                                                                                                                                                          | Supporting Standards |
| (K.LS1.C.1) Use observations to describe patterns of what plants and animals (including humans) need to survive. [see clarifying statement]                                 |                      |
| (K.ESS2.E.1) With prompting and support, construct an argument using evidence for how plants and animals (including humans) can change the environment to meet their needs. |                      |
| (K.ESS3.A.1) Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.                       |                      |
| (K.ETS1.A.1) Ask questions, make, observations, and gather information about a situation people want to change to define a simple problem                                   |                      |

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| that can be solved through the development of a new or improved object or tool. |  |
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| Unit 1 Sequence |                   |                                                                                                                                                                                                                    |                                                            |
|-----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| MLS             | Topic(s)          | Learning Targets                                                                                                                                                                                                   | Academic Vocabulary                                        |
| K.LS1.C.1       | Plants & Animals  | I can observe and tell what plants and animals need to survive.                                                                                                                                                    | observe, describe, plants, animals, survive                |
| K.ESS2.E.1      | Biology           | I can use evidence to show how plants and animals change their environment to survive.                                                                                                                             | evidence, plants, animals, environment, survive            |
| K.ESS3.A.1      | Natural Resources | I can use a model to show the relationship of the needs of a plant or animal and where they live.                                                                                                                  | model, relationship, needs, plant, animal                  |
| K.ETS1.A.1      | Engeneering       | I can ask questions, make, observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. | Ask, observe, gather, define a problem, develop a solution |
|                 |                   |                                                                                                                                                                                                                    |                                                            |

| MLS       | Learning Activities                |           |
|-----------|------------------------------------|-----------|
| K.LS1.C.1 | Day 1: Living and Nonliving        | Must Do ▾ |
| K.LS1.C.1 | Day 2: What do living things need? | Must Do ▾ |
| K.LS1.C.1 | Day 3: Investigation: Plant Needs  | Must Do ▾ |

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| K.ESS3.A.1 | Day 4: Where do animals live?                   | Must Do ▾ |
| K.ESS2.E.1 | Day 5: How do animals change their environment? | Must Do ▾ |
| K.ESS2.E.1 | Day 6: How do animals change their environment? | Must Do ▾ |
| K.ESS2.E.1 | Day 7: How do humans change their environment?  | Must Do ▾ |
| K.ESS2.E.1 | Day 8 :How do humans change their environment?  | Must Do ▾ |
| K.ESS2.E.1 | Day 9: Animal problems we can solve             | Must Do ▾ |
| K.ESS2.E.1 | Day 10: Animal problems we can solve            | Must Do ▾ |
| K.ETS1.A.1 | Day 11: Design a tool to help an animal         | Must Do ▾ |
| K.ETS1.A.1 | Day 12: Design a tool to help an animal         | Must Do ▾ |
| K.ETS1.A.1 | Day 13: Build a class model                     | Must Do ▾ |
| K.ETS1.A.1 | Day 14: connect                                 | Must Do ▾ |

| Assessments |                         |                 |
|-------------|-------------------------|-----------------|
| MLS         | Description or Location | Rubric/Location |
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| Additional Resources                      |
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| <a href="#">KinderScience Unit 1</a>      |
| <a href="#">Plants and Animals Slides</a> |
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