

## ANIMAL ENCOUNTERS PROGRAM



### Kindergarten Standards

#### Science Standards

K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive

K-ESS2-2. Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.

K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.

#### Science Standards Easily Covered at Teacher's Request:

Make observations to determine the effect of sunlight on Earth's surface.

#### Mathematics Standards

KY.K.CC.6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group. MP.1, MP.3, MP.6

KY.K.CC.4 Understand the relationship between numbers and quantities; connect counting to cardinality. a. When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. b. Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted. c. Understand that each successive number name refers to a quantity that is one larger.

KY.K.OA.5 Fluently add and subtract within 5.

KY.K.MD.2 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/ "less of" the attribute and describe the difference.

KY.K.MD.3 Classify and sort objects or people by attributes. Limit objects or people in each category to be less than or equal to 10.

#### Social Studies Standards

K.C.PR.1 Identify examples of rules that apply in the school and community, and explain why they exist.

K.C.PR.2 Describe consequences of following or not following rules.

K.G.HE.1 Identify ways humans interact with their environment.

K.C.RR.1 Identify roles and responsibilities of self and others at home, in school and neighborhood settings.

K.H.KH.1 Compare life in the past to life today in communities.

Social Studies Standards Easily Covered at Teacher's Request:

K.E.KE.1 Explain how various jobs affect communities

K.G.MM.1 Identify why and how people and goods move to and within communities.

Career Studies and Financial Literacy: Grades K-3

ES.P.2 Demonstrate flexibility and willingness to try new things (e.g., changes in schedules, routines, procedures).

ES.P.6 Practice personal responsibility.

ES.P.7 Follow classroom norms and procedures in various activities and settings

ES.P.11 Exhibit self-control with guidance.

ES.P.13 Engage effectively in a range of developmentally appropriate collaborative discussions (one-on-one, in groups and teacher led).

a. Follow agreed-upon rules for discussions (e.g., listening to others, speaking one at a time).

b. Speak clearly at an understandable pace using appropriate facts and relevant, descriptive details and complete sentences when appropriate.

c. Ask and answer questions about what a speaker says in order to clarify comprehension, gather additional information or deepen understanding of a topic or issue.

e. Stay on topic and link comments to the remarks of others when responding to others' ideas.

C.P.2 Describe and expose students to different job opportunities that are available in the community (e.g., career day, field trips, virtual field trips, guest speakers).

Career Studies Standards Easily Covered at Teacher's Request:

ES.P.8 Explain how reading, writing and mathematics skills are necessary career and life skills.

ES.P.10 Practice ethical behavior (e.g., honesty, trust, compassion, acceptance) in various situations with guidance.

ES.P.12 Explain how household products and medications may be harmful when used incorrectly.

ES.P.14 Recognize that differences exist in individuals, families and communities.

C.P.3 Explain how interests, values and abilities influence career choices

C.P.4 Explain how academic content students learn in school (e.g., mathematics, reading/writing, science, social studies) impacts future jobs/careers.

Physical Education: Grades K-5

Standard 4: Demonstrate responsible personal and social behavior that exhibits respect for self and others.

## Health Education: Grades K-3

Standard 1 Content Comprehension Performance Indicators Students will comprehend content related to health promotion and disease prevention to enhance health.

Standard 4 Practices for Communication Performance Indicators Use interpersonal communication skills to enhance health and avoid or reduce health risks.

Standard 5 Use decision-making skills to enhance healthy behaviors.

Standard 7 Practices for Health-Enhancing Behaviors Performance Indicators Practice health-enhancing behaviors and avoid or reduce health risks.

# ANIMAL ENCOUNTERS PROGRAM

## 1<sup>st</sup> Grade Standards

### Science Standards

1-LS1-1. Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.\*

1-LS3-1. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.

#### Science Standards Easily Covered at Teacher's Request:

1-LS1-1. Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.\*

### Mathematics Standards

KY.1.OA.1 Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart and comparing, with unknowns in all positions.

KY.1.OA.2 Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, by using objects, drawings and equations with a symbol for one unknown number to represent the problem.

KY.1.OA.6 Add and subtract within 20. a. Fluently add and subtract within 10.

KY.1.NBT.5 Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.

KY.1.MD.2 Express the length of an object as a whole number of same size length units, by laying multiple copies of a shorter object (the length unit) end to end with no gaps or overlaps.

### Social Studies Standards

1.C.PR.1 Investigate rules and laws in Kentucky to understand their purpose.

1.E.MA.1 Describe how different jobs, as well as public and private institutions, help people in the community.

1.H.KH.1 Compare life in Kentucky in the past to life in Kentucky today.

#### Social Studies Standards Easily Covered at Teacher's Request:

1.E.MI.2 Give an example of a cost or benefit of an event.

1.E.ST.1 Explain why the goods and services people in a community produce are traded with those produced in other communities.

1.G.MM.1 Explain why and how people and goods move to and within communities.

### Career Studies and Financial Literacy: Grades K-3

ES.P.2 Demonstrate flexibility and willingness to try new things (e.g., changes in schedules, routines, procedures).

ES.P.6 Practice personal responsibility.

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## **ANIMAL ENCOUNTERS PROGRAM**

### **2<sup>nd</sup> Grade Standards**

#### Science Standards

- 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties
- 2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose. \*
- 2-LS4-1. Make observations of plants and animals to compare the diversity of life in different habitats

#### Mathematics Standards

- KY.2.OA.2 Fluently add and subtract within 20 using mental strategies.
- KY.2.NBT.2 Count forwards and backwards within 1000; skip-count by 5s, 10s and 100s. MP.8, MP. 1, MP. 6
- KY.2.NBT.3 Read and write numbers to 1000 using base-ten numerals, number names and expanded form.
- KY.2.NBT.8 Mentally add 10 or 100 to a given number 100–900 and mentally subtract 10 or 100 from a given number 100–900.

#### Social Studies Standards

- 2.C.CP.2 Explain that the functions of effective government are to create order, establish justice and meet the needs of their citizens.
- 2.E.ST.1 Explain why people specialize in the production of goods and services.
- 2.G.HE.1 Explain ways human activities impact the physical environment of North America.

#### Social Studies Standards Easily Covered at Teacher's Request:

- 2.C.RR.1 Describe the importance of civic participation.

#### Career Studies and Financial Literacy: Grades K-3

- ES.P.2 Demonstrate flexibility and willingness to try new things (e.g., changes in schedules, routines, procedures).
- ES.P.6 Practice personal responsibility.
- ES.P.7 Follow classroom norms and procedures in various activities and settings
- ES.P.11 Exhibit self-control with guidance.
- ES.P.13 Engage effectively in a range of developmentally appropriate collaborative discussions (one-on-one, in groups and teacher led).
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## 3<sup>rd</sup> Grade Standards

### Science Standards

3-LS1-1. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.

3-LS2-1. Construct an argument that some animals form groups that help members survive

3-LS3-1. Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.

3-LS4-3. Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.

### Science Standards Easily Covered at Teacher's Request:

3-LS3-2. Use evidence to support the explanation that traits can be influenced by the environment

3-LS4-2. Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.

### Mathematics Standards

KY.3.NBT.1 Use place value understanding to round whole numbers to the nearest 10 or 100.

KY.3.MD.4 Investigate questions involving numerical data. a. Identify a statistical question focused on numerical data; b. Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. c. Show the data by making a dot plot where the horizontal scale is marked off in appropriate units – whole numbers, halves, or quarters. d. Make observations from the graph about the question posed, including questions about the shape of the data and compare responses.

### Social Studies Standards

3.H.KH.1 Explain how world events impact Kentucky, both in the past and today.

### Social Studies Standards Easily Covered at Teacher's Request:

3.C.RR.1 Examine how the government maintains order, keeps people safe, and makes and enforces rules and laws in diverse world communities.

3.E.KE.1 Explain how trade between people and groups can benefit Kentucky.

### Career Studies and Financial Literacy: Grades K-3

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