

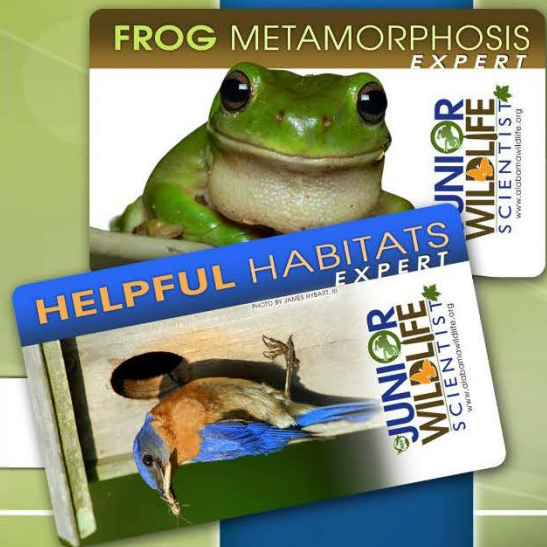
 **JUNIOR**  
**WILDLIFE**  
**SCIENTIST**

**TEACHER'S GUIDE**

**LEVEL 4: HERPETOLOGIST**

*The Study of Reptiles & Amphibians*

This Teacher Guide Belongs To



**3RD GRADE**

# Alabama Department of Education Course of Study Standards

The Junior Wildlife Scientist Nature Notebook activities help teach ALSDE standards for English Language Arts, Science, Social Studies, and Math.

## What Does a Herpetologist Do?

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, 13, 16, 20

Science Connection: Disciplinary Core Ideas: From Molecules to Organisms: Structures and Processes

## JWS Pledge

Language Arts (2021): See ELA Chart (pg. 8) - R1, 1

## Habitat Search for Young Wildlife

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, 13, 16, 17, 32, 36, 37, 40

Science (2023): 10. Make a claim from evidence that an organism's likelihood of survival depends upon access to sufficient resources in its habitat, including sunlight, air, water, food, and shelter.

## Field Investigation: How is that Box Turtle Habitat?

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, R4, 13, 16, 18, 20, 23

Science (2023): 10. Make a claim from evidence that an organism's likelihood of survival depends upon access to sufficient resources in its habitat, including sunlight, air, water, food, and shelter.

Digital Literacy & Computer Science (2018): R1, R2, R3, R5

## Tracking Weather Over Time

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R4

Science (2023): 13. Represent data in tables or graphical displays to reveal typical weather patterns during a particular season.

Mathematics (2019): 16. For a given or collected set of data, create a scaled (one-to-many) picture graph and scaled bar graph to represent a data set with several categories.

18. Tell and write time to the nearest minute; measure time intervals in minutes (within 90 minutes.)

Digital Literacy & Computer Science (2018): R1, R2, R3, R5

## Dig Into Plants: The Longleaf Pine Habitat

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, R4, 13, 16, 18, 20, 23

Science (2023): 10. Make a claim from evidence that an organism's likelihood of survival depends upon access to sufficient resources in its habitat, including sunlight, air, water, food, and shelter.

Digital Literacy & Computer Science (2018): R1, R2, R3, R5

## Alabama Ecology: Alabama's Forests

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, R4, 13, 16, 18, 20, 23

Science (2023): 10. Make a claim from evidence that an organism's likelihood of survival depends upon access to sufficient resources in its habitat, including sunlight, air, water, food, and shelter.

Digital Literacy & Computer Science (2018): R1, R2, R3, R5

## Wonders of Wildlife: Central Rat Snake

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, R4, 13, 16, 18, 20, 23

Science Connection: Scientific and Engineering Practices: Obtaining, evaluating, and communicating information

Digital Literacy & Computer Science (2018): R1, R2, R3, R5

## Is it a Frog? Is it a Toad?

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, 13, 16, 18, 20, 23

Science (2023): 6. Use data to provide evidence that plants and animals have observable traits inherited from parents and that variations of these traits exist in groups of similar organisms; 9. Construct an explanation from

evidence of how variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.

Digital Literacy & Computer Science (2018): R1, R2, R3, R5

### **STEAM Activity: Build a Frog or Toad**

Language Arts (2021): See ELA Chart (pg. 8): R1, R2, R3, 17, 36, 40

Science (2023): 6. Construct an explanation from evidence of how variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.

### **Explore Outdoors: Visit a National Forest**

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, 20

Social Studies (2024): 3.3. Research and share information on the development of the state and national park systems and the benefits parks provide. 3.3a. Locate state and national parks within Alabama and explain their historical and economic significance.

Science Connection: Crosscutting Concepts: Developing and Using Models – using and developing models that represent concrete events or design solutions, including diagrams, drawings, physical replicas, dioramas, dramatizations, or storyboards; Obtaining, Evaluating, and Communicating Information – using observations and texts to gather and communicate new information.

### **Scavenger Hunt: Plant Life Cycle Stages**

Language Arts (2021): See ELA Chart (pg. 8): R1, R2, R3, 13

Science (2023): 5. Develop and use models to compare the diverse life cycles of organisms other than humans, including birth, growth, reproduction, and death. Examples: flowering plants, frogs, butterflies

### **Comparing Lizards and Salamanders and their Habitats**

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, 13, 16, 18, 20, 23

Science (2023): 7. Use evidence to support a claim that traits can be influenced by the environment.

### **Field Investigation: Comparing Life Cycles of Humans and Frogs**

Language Arts (2021): See ELA Chart (pg. 8) - R1, R2, R3, R4, 13, 16, 18, 20, 23 40

Science (2023): 5. Develop and use models to compare the diverse life cycles of organisms other than humans, including birth, growth, reproduction, and death

Digital Literacy & Computer Science (2018): R1, R2, R3, R5

#### Digital Literacy & Computer Science (2018) Standards

- R1) Identify, demonstrate, and apply personal safe use of digital devices.
- R2) Recognize and demonstrate age-appropriate responsible use of digital devices & resources as outlined in school/district rules.
- R3) Assess the validity and identify the purpose of digital content.
- R5) Locate and curate information from digital sources to answer research questions.

**2021 Third Grade ELA Course of Study Standards  
Correlations for Junior Wildlife Scientist  
Nature Notebook Activities**

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