

Birding Basics, 2--4 hour lab

Related TEKS (revised for 2010-2011), 4th—8th grade

112.15: Science, Grade 4

- (b)2. Scientific investigation and reasoning. The student uses scientific inquiry methods during laboratory and outdoor investigations. The student is expected to:
- B. Collect and record data by observing and measuring...descriptive words and numerals such as labeled drawings, writing, and concept maps.
- (b)4. Scientific investigation and reasoning. The student knows how to use a variety of tools, materials, equipment, and models to conduct science inquiry. The student is expected to:
- A. Collect, record, and analyze information using tools—*binoculars, notebooks, data sheets*.
- (b)10. Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environment. The student is expected to:
- A. Explore how adaptations enable organisms to survive in their environment such as comparing birds' beaks...

112.16: Science, Grade 5

- (b)4. Scientific investigation and reasoning. The student knows how to use a variety of tools and methods to conduct science inquiry. The student is expected to:
- A. Collect, record, and analyze information using tools—*binoculars, notebooks, data sheets*.
- (b)10. Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments. The student is expected to:
- A. Compare the structures and functions of different species that help them live and survive.

112.18: Science, Grade 6

- (b)4. Scientific investigation and reasoning. The student knows how to use a variety of tools and methods to conduct science inquiry. The student is expected to:
- A. Use appropriate tools to collect, record, and analyze information—*binoculars, notebooks, data sheets*.

112.19: Science, Grade 7

- (b)2. Scientific investigation and reasoning. The student uses scientific inquiry methods during laboratory and field investigations. The student is expected to:
- C. Collect and record data using ... qualitative means such as labeled drawings and writing...
- (b)4. Scientific investigation and reasoning. The student knows how to use a variety of tools and methods to conduct science inquiry. The student is expected to:

- A. Use appropriate tools to collect, record, and analyze information—*binoculars, notebooks, data sheets*.
- (b)10. Organisms and environments. The student knows that there is a relationship between organisms and the environment. The student is expected to:
- A. Observe and describe how different environments, including microhabitats in schoolyards and biomes, support different varieties of organisms.
 - B. Describe how biodiversity contributes to the sustainability of an ecosystem.

112.20: Science, Grade 8

- (b)2. Scientific investigation and reasoning. The student uses scientific inquiry methods during laboratory and field investigations. The student is expected to:
- C. Collect and record data using ... qualitative means such as labeled drawings and writing...
- (b)4. Scientific investigation and reasoning. The student knows how to use a variety of tools and safety equipment to conduct science inquiry. The student is expected to:
- A. Use appropriate tools to collect, record, and analyze information, including—*binoculars, notebooks, data sheets*.