



## **Entomology Escape: Dr. Blatt's Assistant Nebraska Science Standards**

This activity addresses the following Nebraska Science Standards:

### **SC K-12.1 Comprehensive Science Standard – Inquiry, the Nature of Science, and Technology**

Students will combine scientific processes and knowledge with scientific reasoning and critical thinking to ask questions about phenomena and propose explanations based on gathered evidence.

#### **Abilities to do Scientific Inquiry**

SC5.1.1 Students will plan and conduct investigations that lead to the development of explanations.

SC8.1.1 Students will design and conduct investigations that will lead to descriptions of relationships between evidence and explanations.

#### *Scientific Investigations*

SC5.1.1.b Plan and conduct investigations and identify factors that have the potential to impact an investigation

SC8.1.1.b Design and conduct logical and sequential investigations including repeated trials

#### *Scientific Observations*

SC5.1.1.d Make relevant observations and measurements

SC8.1.1.e Make qualitative and quantitative observations

#### *Scientific Data Collection*

SC5.1.1.e Collect and organize data

SC8.1.1.f Record and represent data appropriately and review for quality, accuracy, and relevancy

#### *Scientific Interpretations, Reflections, and Applications*

SC5.1.1.f Develop a reasonable explanation based on collected data

SC8.1.1.g Evaluate predictions, draw logical inferences based on observed patterns/relationships, and account for non-relevant information

#### *Scientific Communication*

SC5.1.1.g Share information, procedures, and results with peers and/or adults

SC8.1.1.h Share information, procedures, results, and conclusions with appropriate audiences

SC5.1.1.h Provide feedback on scientific investigations

SC8.1.1.i Analyze and provide appropriate critique of scientific investigations

### **Abilities to do Technical Design**

SC5.1.3.a Identify a simple problem

SC5.1.3.b Propose a solution to a simple problem

SC5.1.3.c Implement the proposed solution

SC5.1.3.d Evaluate the implementation

SC5.1.3.e Communicate the problem, design, and solution

SC8.1.3.d Evaluate completed technological designs or products

## **SC K-12.3 Comprehensive Science Standard – Life Science**

Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.

### **3. Life Science**

#### **Structure and Function of Living Systems**

##### *Characteristics of Living Organisms*

SC5.3.1.b Identify how parts of plants and animals function to meet basic needs (e.g., leg of an insect helps an insect move, root of a plant helps the plant obtain water)

##### *Reproduction*

SC5.3.2.b Identify the life cycle of an organism