



Cows & Calves 1st Grade Classroom Program

Program Summary

Students will learn about Raramuri Criollo cattle, a desert-adapted heritage breed that scientists are researching as a sustainable ranching solution in the dry southwestern United States. Students will discover how Criollo dams, or mothers, help their offspring, or calves, survive in harsh environments. They will conduct investigations to determine different ways Criollo ensure calves survive by studying their behaviors and how data are being collected in New Mexico using precision technology.

Phenomenon

What do Criollo cows do to help their calves survive in the Chihuahuan Desert?

Next Generation Science Standards

1-LS1-2. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. [Clarification Statement: Examples of patterns of behaviors could include the signals that offspring make (such as crying, cheeping, and other vocalizations) and the responses of the parents (such as feeding, comforting, and protecting the offspring).]

| Science and Engineering Practices | Disciplinary Core Ideas | Crosscutting Concepts |
|---|---|------------------------------|
| Obtaining, Evaluating, and Communicating Information Analyzing and Interpreting Data | LS1.B Growth and Development of Organisms | Patterns |

Common Core State Standards

English Language Arts

SL1. Participate in collaborative conversations with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups.

RI1.1 Ask and answer questions about key details in a text.

Date: _____

Asombro staff: _____