Radio Telemetry
5th grade - Field Trip Station

Overview
Students learn how and why radio tracking is done. Students learn about research involving radio tracking brush mice and what it might be able to tell us about their dispersal.

Vocabulary
- *Radiotelemetry* - highly automated communications process by which measurements are made and other data collected at remote or inaccessible points and transmitted to receiving equipment for monitoring.
- *Radio Frequency* - the particular waveband at which a radio station or other system broadcasts or transmits signals.
- *Adaptation* – Something an animal has or does to help it survive, a change or the process of change by which an organism or species becomes better suited to its environment

NM Science Standards Addressed
1-1-2-1 Understand that different kinds of investigations are used to answer different kinds of questions (e.g., observations, data collection, controlled experiments).
2-2-1-3 Know that changes in the environment can have different effects on different organisms (e.g., some organisms move, some survive, some reproduce, some die).
2-2-2-1 Describe how human activity impacts the environment.
2-2-2-1 Know that plants and animals have life cycles that include birth, growth and development, reproduction, and death and that these cycles differ for different organisms.
3-1-1-2 Describe how various technologies have affected the lives of individuals.

CCSS Language Arts Standards Addressed
SL.5.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others’ ideas and expressing their own clearly.
SL.5.1.B Follow agreed-upon rules for discussions and carry out assigned roles.
SL.5.1.C Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.
SL.5.1.D Review the key ideas expressed and draw conclusions in light of information and knowledge gained from the discussions.

Next Generation Science Standards Address
5-LS2-1 Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.